

भारतीय डाक

RT814342109IN IVR:8284814342109
RL SIPCOT CUDDALORE S.O <607005>
Counter No:1,08/05/2024,14:37
To:DY DIR GEN OF,NUNGAMBAKKAM
PIN:600006, Greams Road S.O
From:COVESTRO IN,SEMANKUPPAM
Wt:50gms Ack Fee:3.00,REG=17.0
Amt:41.30(Cash)Tax:6.30
<Track on www.indiapost.gov.in>

India Post

astro

Date: 08th May 2024
Lr. No. CIPL/MoEF/May-

To
The Director,
MoEF&CC, Integrated Regional Office,
1st Floor, Additional Office Block For GPOA,
Shastri Bhawan, Haddows Road,
Nungambakkam, Chennai – 600 006.

Dear Sir,

Sub: Submission of Environmental Clearance - Compliance Conditions Status from the Period of 1st Oct 2023 to 31st Mar 2024. – Regards.

Ref: MoEF Lr. No. EP/12.1/20/2013-14/TN, Dated on 27.03.2014.

Covestro (India) Pvt. Ltd.
Cin : U19113MH1995PTC179724

With reference to the above cited subject, we have been furnishing the Environmental Clearance (EC) - Compliance conditions status covering the period of 1st Oct 2023 to 31st Mar 2024.

Semankuppam Village,
Survey No. 135/1A, 135/2A,
135/1B2
Cuddalore - 607 005.

This is for your kind information & record please.

Thanking you.

Telephone
+ 91 4142 239313
+ 91 4142 239913

Yours Faithfully,

Fax
+ 91 4142 239911

For Covestro (India) Private Limited.,



Authorized Signatory.

Registered Office
Unit No. SB-801, 8th Floor,
Empire Tower, Cloud Campus,
Thane - Belapur Road, Airoli,
Navi Mumbai- 400 708.
Maharashtra, India.

Enclosures:

Annexure-I : EC – Compliance Conditions Status.

Covestro.com

ANNEXURE - I



Name of the Unit	: M/s. COVESTRO (INDIA) PRIVATE LIMITED
Location	: 135/1A, 135/2A & 135/B2, SIPCOT Industrial Area, Phase-II, Semmankuppam Village, Cuddalore Taluk & District, Tamil Nadu.
Category	: 5(f) Synthetic Organic Chemicals
Reference	: F. No. J-11011/458/2011-IA II (I), Dated on 7 th January 2014
Subject	: Environmental Clearance - Compliance Conditions Status from the Period of 01.10.2023 to 31.03.2024.

S.No.	EC Condition	Compliance Status
A.	SPECIFIC CONDITIONS:	
I.	National emission standards for organic chemicals manufacturing industry issued by the ministry vide G.S.R.608(E) dated 21st July 2010 and amended time to time shall be followed by the unit.	Complied with. Emission standards are being strictly followed by the unit. We regularly monitor & analyse our emissions through testing by Tamil Nadu Pollution Control Board/ National Accreditation Board for Testing and Calibration Laboratories approved lab (TNPCB/ NABL) .
II.	Stack of adequate height shall be provided to gas fired boiler to disperse the gaseous emission as per the standards prescribed.	Complied with. The Thermic Fluid Heater (Boiler) has been installed with a stack height of 31.9 Meter from the Ground level as per the standards.
III.	Scrubber shall be provided to control process emissions. The scrubber water shall be sent to ETP for further treatment. Efficiency of scrubber shall be monitored regularly and maintained properly. Scrubber vent shall be provided with online detection and alarm system to indicate higher than permissible value of controlled parameters. At no time the emission levels shall go beyond the prescribed standards. The system shall be interlocked with pollution control equipment so that in case of any increase in pollutants beyond permissible limits, plant shall be automatically stopped. Stack monitoring shall be done regularly, and report shall be submitted to Tamil Nadu Pollution Control Board (TNPCB) and the Ministry's regional office at Chennai.	Complied with. All the process emissions are channelled to a dedicated wet scrubbing system, the scrubber bleed off and maintenance water is taken to ETP for further process and treatment. There is Interlock with the plant running with the operation of the scrubber and in the sense the plant cannot be put into operation without the operation of the Scrubber. The efficiency of the scrubber is also monitored through a periodic Stack Monitoring Survey conducted by NABL approved Labs. Although our process emissions are very minimal and mostly Below Detection Limit (BDL), all test reports and compliance are being regularly submitted vide six monthly compliance reports to TNPCB & Ministry of Environment, Forest and Climate Change (MoEFCC) Regional Office.
IV.	Ambient air quality data shall be collected as per NAAQS standards notified by the ministry vide G.S.R.NO.826(E) Dated 16th September 2009. The levels of PM10, PM2.5, SO2, CO, VOC and HC shall be monitored in the ambient air and emissions from the stacks and displayed at a convenient location near the main gate of the company and important public places. The company shall upload the results of monitored data on its website and shall update the same periodically. It shall simultaneously be sent to the regional office of MOEF, the respective zonal office of CPCB and the Tamil Nadu Pollution Control Board.	Complied with. The ambient air quality is monitored & analysed through NABL accredited laboratory . The levels of SPM, SO _x , NO _x & VOC are monitored in the ambient air and stack emissions and the reports are being shared with the authorities along with six monthly compliance report. The SPM, SO ₂ and TVOC online data are being uploaded to TNPCB's Care Air Centre continuously. The four numbers of Ambient Air Quality Monitoring Stations (AAQMS) have been placed and operated within the premises (Refer Enclosure IV(B)) and the results of the AAQM is being displayed in digital display board at the factory entrance.



S.No.	EC Condition	Compliance Status
V.	In plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fugitive emissions shall be controlled Closed handling and conveyance of chemicals /materials, multi cyclone separator and water sprinkling system. Dust suppression system including water sprinkling system shall be provided at loading areas to control dust emissions. Fugitive emissions in the work zone Environment, Product, Raw materials storage area etc., shall be regularly monitored.	Complied with. Fugitive emissions are not generated in the work environment, product & raw materials storage area etc. The meagre dust that is generated during the charging of Adipic Acid is handled by the Dust Collection System.
VI.	Continuous monitoring system for VOC's shall be installed at all important places/areas. Effective measure shall be taken immediately, when monitoring results indicate above the permissible limits.	Complied with. A Continuous monitoring system for TVOC has been installed in production area. This data output has been connected to TNPCB - Care Air Centre for continuous monitoring with an alarm system if the results are above the permissible limits.
VII.	The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution.	Complied with. DG set is provided with an adequate Stack of 11 Meters height as per CPCB standards. All the DG sets are provided with Acoustic enclosures to mitigate noise pollution. The latest replacement DG set of 1010 kVA has been provided with additional wet scrubber for effective mitigation of emissions from DG Set and the outlet of the scrubber is connected to the stack of 30 meters of height to disperse the combustion gases to the atmosphere.
VIII.	Total freshwater requirement ground water source shall not exceed 40 m ³ /day and prior Permission for drawl of water shall be obtained from the CGWA/SGWA.	Complied with. The total freshwater requirement for the plant currently is 35 KLD, which is within the permitted quantity of 40 KLD, which is being met mainly through SIPCOT water supply and also through internal borewell. Water supply permission letter was obtained from State Industries Promotion Corporation of Tamil Nadu Ltd. (SIPCOT) for 60 KLD. The supply is active, and payments are being made regularly. NOC obtained for extraction of 35,000 LPD borewell water from Water Resource Department (SGWA), Chennai
IX.	Total industrial wastewater generation shall not exceed 4.2 m ³ /day. Industrial effluent shall be treated in ETP followed by Reverse Osmosis. Effluent shall be treated in the ETP comprising primary, secondary and tertiary treatment followed by RO. RO permeate shall be recycled/ reused in the process. RO rejects shall be evaporated in MEE. No effluent shall be discharged outside the plant premises and zero effluent discharged condition shall be maintained.	Complied. The average quantity of effluent being generated in the unit is 1.5 KLD by the process optimization program for sustainability improvement & meter readings are submitted to TNPCB on monthly basis. We are operating our ETP efficiently with the setup of collection tank, Equalization tank, Sequential batch reactors (SBR), RO & Evaporator. The final RO reject water is treated by Kettle type Evaporator (KTE) & solids generated from KTE are disposed to authorized TSDF. The ZLD treated water is reused at the cooling tower for makeup. We are operating & maintaining the Zero Liquid Discharge system efficiently complying to the statutory norms.
X.	Process effluent /any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.	Complied with. The Storm water drain system is isolated from the process area to avoid any mixing and also, we have installed the pH & TDS meter in the



S.No.	EC Condition	Compliance Status
		<p>storm water drain for monitoring the parameters to ensure the same.</p> <p>Storm water drains were passed through the Rainwater harvesting pit.</p>
XI.	As proposed, MEE salt and ETP sludge shall be sent to the TSDF. Spent catalyst/resin and Spent oil shall be sending authorized recycler/ re-processor.	Complied with. We are sending the ETP sludge & Kettle evaporator salts to authorized TSDF (M/s. Tamil Nadu Waste Management Limited) for disposal. Spent Oil is sent to TNPCB authorized recycler.
XII.	The company shall obtain authorization for collection, storage and disposal of hazardous waste under hazardous waste (management, handling and Tran's boundary movement) rules 2008 and amended as on date for management of hazardous wastes and prior permissions from TNPCB shall be obtained for disposal of solid / hazardous waste in the TSDF. Measures shall be taken for firefighting facilities in case emergency.	<p>Complied with.</p> <p>Waste Generated:</p> <ol style="list-style-type: none"> 1. Spent oil 3.2 T/Year & Sent to Authorized recycler 2. Chemical sludge from ETP 1.0 T/Year & Disposed to TNWM Ltd. 3. Chemical sludge from Barrel decontamination 2.0 T/Year TNWM Ltd. 4. Discarded Barrels 192 T/Year & Sent to authorized recyclers. <p>We have the agreement with TSDF (both disposal & recycler).</p> <p>Firefighting facilities has been provided as per the standards.</p>
XIII.	The company shall strictly comply with the rules and guidelines under manufactures, storage and import of hazardous chemicals (MSIHC) rules 1989 as amended time to time. All transportation of hazardous chemicals shall be as per the motor vehicle act (MVA) 1989.	Complied with. The company is strictly complying with the rules and guidelines under manufacture, storage and import of hazardous chemicals (MSIHC) rules 1989 and all transportation of hazardous chemicals is carried out as per the motor vehicle act (MVA) 1989.
XIV.	Unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire-fighting system shall be as per norms. Fire hydrant system shall be provided along with fire monitor and flame deduction system in the process as well as storage areas.	<p>Complied with. The plant is protected with a full-fledged fire hydrant system. Fire station is equipped with one diesel pump and a motor driven pump (Jockey Pump and Main Pump) . The fire hydrant pumps start automatically on reduction of pressure in the hydrant header.</p> <p>Fire-fighting system as per norms of the Tamil Nadu Fire & Rescue Services Department. Sixteen single headed hydrant points and three hose reels are connected to the hydrant mains, which are evenly distributed in the entire operational and storage area.</p>
XV.	The company shall comply with the recommendations made in the EIA/EMP/Risk assessment report. Risk assessment shall be included in the safety manual.	Complied with. The risk assessment is included in the Safety Manual.
XVI.	Training shall be imparted to all employees on safety and health aspect of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees and handling of chemicals shall be imparted. Occupation health surveillance of the workers shall be done on a regular basis and records maintained as per the factories Act.	<p>Complied with. Regular training is given to all employees on Safety and Health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees are undertaken on regular basis.</p> <p>A dedicated Occupation Health Centre (OHC) has been provided within the premises and health surveillance of the workers is performed on a regular basis and records are maintained as per the Factories Act.</p>



S.No.	EC Condition	Compliance Status
XVII.	As proposed, Greenbelt shall be developed in 22031m ² out of total plant area. Selection of plant species shall be as per the CPCB guidelines.	Complied with. As per MoEFCC & CPCB guidelines we have developed/maintained around 15,495 Sq.m (46.4%) of Greenbelt out of the total plot area of 30,837 Sq.m. The selection of the plant species is as per CPCB guidelines. Presently 3304 No.'s of trees with different varieties around the plant are existing. Additional, trees are being planted continuously as part of Environment Day celebrations every year.
XVIII.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the factories Act.	Complied with. The Occupational health surveillance of the workers working in the process area has been done on half yearly basis and for the other team members on yearly basis and the Inspection report is being submitted to Director, Industrial Safety & Health regularly.
XIX.	The company shall submit within three months the policy towards corporate environment responsibility which should inter-alia address (i) standard operating process/ procedure to being into focus any infringement/deviation/violation of environmental or forest norms/ conditions (ii) hierarchical system or administrative order of the company to deal with environmental issues and ensuring compliance to the environmental clearance conditions and (iii) system of reporting of non-complaints / violation environmental norms to the board of directors of the company and/or stakeholders shareholders.	Complied with. An Environmental Responsibility Committee (ERC) has been formed.
XX.	Provision shall be made for the housing for the construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilet, safe drinking water, medical health care crèche etc. The housing may be in the form of temporary structure to be removed after the completion of the project. All the constructions wastes shall be managed so that there is no impact and surrounding environment.	Complied with during construction phase of expansion activity as per Environmental Clearance (EC).
B. General Conditions		
I.	The project authorities shall strictly adhere to the stipulations made by the State Government and T.N. Pollution Control Board.	Condition Strictly followed. We strictly adhere to the stipulation made by State Pollution Control Board, Central Pollution Board, State Government and any other statutory authority.
II.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Condition Noted. If there are any expansions/changes in the Production etc., the same will be intimated to MoEF&CC and the required approvals will be received from the competent authority.
III.	The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one stations is installed in the upwind and downwind direction as well as where	Complied with. We have installed a AAQM stations at Upwind & Downwind within our plant premises for regular monitoring by TNPCB / NABL approved labs.



S.No.	EC Condition	Compliance Status
	maximum ground level concentrations are anticipated.	
IV.	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).	Complied with. The noise levels are kept within the limits in the production area and by providing acoustic enclosures to the DG sets. The noise level monitored by TNPCB / NABL accredited laboratory.
V.	The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.	Complied with. The rooftop water is channelised along with the storm water and diverted to the rainwater harvesting pits for recharge of ground water.
VI.	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	Complied with. Regular training is given to all employees on Safety and Health Aspect of chemicals handling. Pre-employment and periodical medical examinations for all employees are undertaken on regular basis. Occupation health surveillance of the workers is performed on a regular basis and records are maintained as per the Factories Act.
VII.	Usage of Personnel Protection Equipment's (PPEs) by all employees/ workers shall be ensured.	Complied with. Necessary PPEs (Helmet, Safety shoes, Goggles, Hand gloves, earplugs & Earmuffs) are being provided for the persons working in noise area. It shall be ensured in the future as well.
VIII.	The company shall also comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented.	Being Complied. All the environmental protection measures and safeguards proposed in the document submitted to the Ministry and the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures are being complied.
IX.	The company shall undertake all relevant measures for improving the socio - economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villages and administration.	Complied with. All the relevant measures for improving the socio- economic conditions of the surrounding area are being implemented year by year.
X.	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	Being Complied. Community welfare measures are being undertaken as per the local requirement.
XI.	A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Complied with. The company has implemented the Environment Management Cell with qualified environment engineers. The dedicated lab with all necessary equipment and facility has been provided to monitor and measure the functions.
XII.	The company shall earmark sufficient funds toward capital cost and recurring cost/annum to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/	Complied with. We have already allocated adequate funds to implement the conditions stipulated by the Ministry of Environment and Forest as well as the State Government along with the implementation schedule for all the conditions stipulated.



S.No.	EC Condition	Compliance Status
	pollution control measures shall not be diverted for any other purpose.	
XIII.	A copy of the clearance letter shall be sent by the project proponent to concern Panchayat, Zila Parisad/Municipal Corporation, Urban local Body and the local NGO, if any, from who suggestions/representations, if any, were received while processing the proposal.	Complied with. A copy of the clearance has been sent to the concerned Panchayat, Zila Parisad/Municipal Corporation, Urban local Body and the local NGOs after receipt of the EC.
XIV.	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the T.N. Pollution Control Board. A copy of Environmental Clearance and six-monthly compliance status report shall be posted on the website of the company.	Complied with. The six-month compliance with monitored data has been submitted to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the T.N. Pollution Control Board (both in hard copies as well as by e-mail within the deadline prescribed by MOEFCC).
XV.	The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.	Complied with. The environmental statement for each financial year ending 31st March in Form-V is being submitted to the TNPCB every year.
XVI.	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	Complied with.
XVII.	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Complied with. Project is Completed. <ul style="list-style-type: none">• Date of Commencement: 01.04.2014• Month of Completion: 24.04.2015



ISSUED TO:

TEST REPORT

Covestro (India) Private Limited
Semmankuppam,
Cuddalore-607005
Tamil Nadu



Report No	: ABCTL/2401/0043/001		
Sample Drawn by	: ABC Techno Labs India Private Limited		
Sample Description	: Ambient Air Quality Monitoring		
Location of Sampling	: Near Hazardous Scrap yard		
Date of Sampling	: 05-01-2024	Date of Completion	: 12-01-2024
Date of Receipt	: 06-01-2024	Report Date	: 24-01-2024
Date of Analysis	: 06-01-2024	Average Atmospheric Pressure	: 1008
Temperature (°C)	: Min: 20 Max: 30	Average Wind Speed/direction	: 7.3/NE
Relative Humidity (%)	: Min: 72 Max: 93	Rain Fall	: Nil
Sampling Method	: IS 5182 Part 5 & 14		

ULR TC577024000000621F

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Sl. No.	Test Parameters	Test Method	Unit	Results	Limits*
Discipline/Group:Chemical Testing/Atmospheric Pollution					
1	Particulate Matter (Particle size less than 10 µm, (PM 10)	IS 5182 Part 23	µg/m ³	49.2	100
2	Particulate matter (Particle Size less than 2.5 µm) PM 2.5	40 CFR Appendix L Part 50	µg/m ³	23.5	60
3	Sulphur Dioxide as SO ₂	IS 5182 Part 2	µg/m ³	7.82	80
4	Nitrogen oxide as NO ₂	IS 5182 Part 6	µg/m ³	16.8	80
5	Ozone as O ₃	ABCTL/SOP/A/07 Issue No:01, Date:02.01.2015	µg/m ³	12.2	100
6	Lead (Pb)	IS 5182 Part 22	µg/m ³	BDL(DL:0.1)	1
7	Carbon Monoxide (CO)	IS 5182 Part 10	mg/m ³	BDL(DL:1.0)	2
8	Ammonia (NH ₃)	ABCTL/SOP/A/05 Issue No:01, Date:02.01.2015	µg/m ³	BDL(DL:5.0)	400
9	Benzene	IS 5182 Part 11	µg/m ³	BLQ (LOQ:0.10)	5
10	Benzo[a]pyrene-Particulate Phase only	ABCTL/SOP/10 Issue No.01, Date:07.07.2017	ng/m ³	BLQ (LOQ:0.10)	1
11	Arsenic (As)	ABCTL/SOP/A10 Issue No:01,Date:02.01.2015	ng/m ³	BDL(DL:1.0)	6
12	Nickel (Ni)	ABCTL/SOP/A12 Issue No.01,Date:02.01.2015	ng/m ³	BDL(DL:1.0)	20

*National Ambient Air Quality Standards prescribed by Ministry of Environment and Forests, Government of India vide Gazette Notification G.S.R. 826(E) dated 18.11.2009

Note:BDL- Below Detection Limit, Detectable Limit, BLQ - Below Limit of Quantification, LOQ - Limit of Quantification.

.....End of Report.....

S. Dharani
S.Dharani
Quality Manager



A. Robson Chinnadurai
A. Robson Chinnadurai
Technical Manager

Verified by

Authorised Signatory

Terms and conditions :

•The test results relate only to the items tested. • The test report shall not be reproduced in full or part without the written approval of ABCTL. • The test items will not be retained for more than 15 days from the date of issue of test report for Non-Perishable samples and in the case of Perishable samples test items will be retained for 7 days after date of issue of report or as per customer requirement. •The laboratory's responsibility under this report is limited to proven willful negligence and will in no case be more than the invoiced amount. • The test report is issued for the purpose of identifying the characteristic and not intended to use for any publicity / litigation purpose.

ISSUED TO:

TEST REPORT

Covestro (India) Private Limited
Semmankuppam,
Cuddalore-607005
Tamil Nadu



Report No	: ABCTL/2401/0043/002		
Sample Drawn by	: ABC Techno Labs India Private Limited		
Sample Description	: Ambient Air Quality Monitoring		
Location of Sampling	: Near ETP		
Date of Sampling	: 05-01-2024	Date of Completion	: 12-01-2024
Date of Receipt	: 06-01-2024	Report Date	: 24-01-2024
Date of Analysis	: 06-01-2024	Average Atmospheric Pressure	: 1008
Temperature (°C)	: Min: 20 Max: 30	Average Wind Speed/direction	: 7.3/NE
Relative Humidity (%)	: Min: 72 Max: 93	Rain Fall	: Nil
Sampling Method	: IS 5182 Part 5 & 14		

ULR TC577024000000622F

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Sl. No.	Test Parameters	Test Method	Unit	Results	Limits*
Discipline/Group:Chemical Testing/Atmospheric Pollution					
1	Particulate Matter (Particle size less than 10 µm, (PM 10)	IS 5182 Part 23	µg/m ³	47.5	100
2	Particulate matter (Particle Size less than 2.5 µm) PM 2.5	40 CFR Appendix L Part 50	µg/m ³	22.6	60
3	Sulphur Dioxide as SO ₂	IS 5182 Part 2	µg/m ³	7.98	80
4	Nitrogen oxide as NO ₂	IS 5182 Part 6	µg/m ³	15.7	80
5	Ozone as O ₃	ABCTL/SOP/A/07 Issue No:01, Date:02.01.2015	µg/m ³	13.6	100
6	Lead (Pb)	IS 5182 Part 22	µg/m ³	BDL(DL:0.1)	1
7	Carbon Monoxide (CO)	IS 5182 Part 10	mg/m ³	BDL(DL:1.0)	2
8	Ammonia (NH ₃)	ABCTL/SOP/A/05 Issue No:01, Date:02.01.2015	µg/m ³	BDL(DL:5.0)	400
9	Benzene	IS 5182 Part 11	µg/m ³	BLQ (LOQ:0.10)	5
10	Benzo[a]pyrene-Particulate Phase only	ABCTL/SOP/10 Issue No.01, Date:07.07.2017	ng/m ³	BLQ (LOQ:0.10)	1
11	Arsenic (As)	ABCTL/SOP/A10 Issue No:01,Date:02.01.2015	ng/m ³	BDL(DL:1.0)	6
12	Nickel (Ni)	ABCTL/SOP/A12 Issue No.01,Date:02.01.2015	ng/m ³	BDL(DL:1.0)	20

*National Ambient Air Quality Standards prescribed by Ministry of Environment and Forests, Government of India vide Gazette Notification G.S.R. 826(E) dated 18.11.2009

BDL- Below Detection Limit, Detectable Limit, BLQ - Below Limit of Quantification, LOQ - Limit of Quantification.

.....End of Report.....

S. Dharani
S.Dharani
Quality Manager



A. Robson Chinnadurai
A. Robson Chinnadurai
Technical Manager

Verified by

Authorised Signatory

Terms and conditions :

• The test results relate only to the items tested. • The test report shall not be reproduced in full or part without the written approval of ABCTL. • The test items will not be retained for more than 15 days from the date of issue of test report for Non-Perishable samples and in the case of Perishable samples test items will be retained for 7 days after date of issue of report or as per customer requirement. • The laboratory's responsibility under this report is limited to proven willful negligence and will in no case be more than the invoiced amount. • The test report is issued for the purpose of identifying the characteristic and not intended to use for any publicity/litigation purpose.

ISSUED TO:

TEST REPORT

Covestro (India) Private Limited
Semmankuppam,-
Cuddalore-607005
Tamil Nadu



Report No	: ABCTL/2401/0043/003		
Sample Drawn by	: ABC Techno Labs India Private Limited		
Sample Description	: Ambient Air Quality Monitoring		
Location of Sampling	: Near STP		
Date of Sampling	: 05-01-2024	Date of Completion	: 12-01-2024
Date of Receipt	: 06-01-2024	Report Date	: 24-01-2024
Date of Analysis	: 06-01-2024	Average Atmospheric Pressure	: 1008
Temperature (°C)	: Min: 20 Max: 30	Average Wind Speed/direction	: 7.3/NE
Relative Humidity (%)	: Min: 72 Max: 93	Rain Fall	: Nil
Sampling Method	: IS 5182 Part 5 & 14		

ULR TC577024000000623F

Page: 1 of 1

Sl. No.	Test Parameters	Test Method	Unit	Results	Limits*
Discipline/Group: Chemical Testing/Atmospheric Pollution					
1	Particulate Matter (Particle size less than 10 µm, (PM 10)	IS 5182 Part 23	µg/m ³	45.4	100
2	Particulate matter (Particle Size less than 2.5 µm) PM 2.5	40 CFR Appendix L Part 50	µg/m ³	20.8	60
3	Sulphur Dioxide as SO ₂	IS 5182 Part 2	µg/m ³	8.18	80
4	Nitrogen oxide as NO ₂	IS 5182 Part 6	µg/m ³	17.5	80
5	Ozone as O ₃	ABCTL/SOP/A/07 Issue No:01, Date:02.01.2015	µg/m ³	11.5	100
6	Lead (Pb)	IS 5182 Part 22	µg/m ³	BDL(DL:0.1)	1
7	Carbon Monoxide (CO)	IS 5182 Part 10	mg/m ³	BDL(DL:1.0)	2
8	Ammonia (NH ₃)	ABCTL/SOP/A/05 Issue No:01, Date:02.01.2015	µg/m ³	BDL(DL:5.0)	400
9	Benzene	IS 5182 Part 11	µg/m ³	BLQ (LOQ:0.10)	5
10	Benzo[a]pyrene-Particulate Phase only	ABCTL/SOP/10 Issue No.01, Date:07.07.2017	ng/m ³	BLQ (LOQ:0.10)	1
11	Arsenic (As)	ABCTL/SOP/A10 Issue No:01,Date:02.01.2015	ng/m ³	BDL(DL:1.0)	6
12	Nickel (Ni)	ABCTL/SOP/A12 Issue No.01,Date:02.01.2015	ng/m ³	BDL(DL:1.0)	20

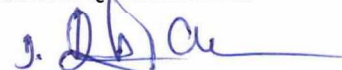
*National Ambient Air Quality Standards prescribed by Ministry of Environment and Forests, Government of India vide Gazette Notification G.S.R. 826(E) dated 18.11.2009

BDL - Below Detection Limit, Detectable Limit, BLQ - Below Limit of Quantification, LOQ - Limit of Quantification.

.....End of Report.....


S.Dharani
Quality Manager




A. Robson Chinnadurai
Technical Manager

Verified by

Authorised Signatory

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ISSUED TO:

TEST REPORT

Covestro (India) Private Limited
Semmankuppam,-
Cuddalore-607005
Tamil Nadu



Report No	: ABCTL/2401/0043/004		
Sample Drawn by	: ABC Techno Labs India Private Limited		
Sample Description	: Ambient Air Quality Monitoring		
Location of Sampling	: Near Vehicle Shed		
Date of Sampling	: 05-01-2024	Date of Completion	: 12-01-2024
Date of Receipt	: 06-01-2024	Report Date	: 24-01-2024
Date of Analysis	: 06-01-2024	Average Atmospheric Pressure	: 1008
Temperature (°C)	: Min: 20 Max: 30	Average Wind Speed/direction	: 7.3/NE
Relative Humidity (%)	: Min: 72 Max: 93	Rain Fall	: Nil
Sampling Method	: IS 5182 Part 5 & 14		

ULR TC577024000000624F

Page:1 of 1

Sl. No.	Test Parameters	Test Method	Unit	Results	Limits*
Discipline/Group:Chemical Testing/Atmospheric Pollution					
1	Particulate Matter (Particle size less than 10 µm, (PM 10)	IS 5182 Part 23	µg/m ³	50.5	100
2	Particulate matter (Particle Size less than 2.5 µm) PM 2.5	40 CFR Appendix L Part 50	µg/m ³	24.9	60
3	Sulphur Dioxide as SO ₂	IS 5182 Part 2	µg/m ³	8.56	80
4	Nitrogen oxide as NO ₂	IS 5182 Part 6	µg/m ³	18.1	80
5	Ozone as O ₃	ABCTL/SOP/A/07 Issue No:01, Date:02.01.2015	µg/m ³	12.8	100
6	Lead (Pb)	IS 5182 Part 22	µg/m ³	BDL(DL:0.1)	1
7	Carbon Monoxide (CO)	IS 5182 Part 10	mg/m ³	BDL(DL:1.0)	2
8	Ammonia (NH ₃)	ABCTL/SOP/A/05 Issue No:01, Date:02.01.2015	µg/m ³	BDL(DL:5.0)	400
9	Benzene	IS 5182 Part 11	µg/m ³	BLQ (LOQ:0.10)	5
10	Benzo[a]pyrene-Particulate Phase only	ABCTL/SOP/10 Issue No.01, Date:07.07.2017	ng/m ³	BLQ (LOQ:0.10)	1
11	Arsenic (As)	ABCTL/SOP/A10 Issue No:01,Date:02.01.2015	ng/m ³	BDL(DL:1.0)	6
12	Nickel (Ni)	ABCTL/SOP/A12 Issue No.01,Date:02.01.2015	ng/m ³	BDL(DL:1.0)	20

*National Ambient Air Quality Standards prescribed by Ministry of Environment and Forests, Government of India vide Gazette Notification G.S.R. 826(E) dated 18.11.2009

BDL- Below Detection Limit, Detectable Limit, BLQ - Below Limit of Quantification, LOQ - Limit of Quantification.

.....End of Report.....

S. Dharani
S.Dharani
Quality Manager



A. Robson Chinnadurai
A. Robson Chinnadurai
Technical Manager

Verified by

Authorised Signatory

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ISSUED TO:

TEST REPORT

Covestro (India) Private Limited
Semmankuppam,-
Cuddalore-607005
Tamil Nadu



Report No	: ABCTL/2401/0043/005		
Sample Drawn by	: ABC Techno Labs India Private Limited		
Sample Description	: Ambient Air Quality Monitoring		
Location of Sampling	: Near Chilling Plant		
Date of Sampling	: 05-01-2024	Date of Completion	: 12-01-2024
Date of Receipt	: 06-01-2024	Report Date	: 24-01-2024
Date of Analysis	: 06-01-2024	Average Atmospheric Pressure	: 1008
Temperature (°C)	: Min: 20 Max: 30	Average Wind Speed/direction	: 7.3/NE
Relative Humidity (%)	: Min: 72 Max: 93	Rain Fall	: Nil
Sampling Method	: IS 5182 Part 5 & 14		

ULR TC577024000000625F

Page:1 of 1

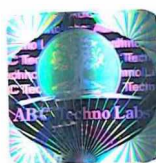
Sl. No.	Test Parameters	Test Method	Unit	Results	Limits*
Discipline/Group:Chemical Testing/Atmospheric Pollution					
1	Particulate Matter (Particle size less than 10 µm, (PM 10)	IS 5182 Part 23	µg/m ³	48.2	100
2	Particulate matter (Particle Size less than 2.5 µm) PM 2.5	40 CFR Appendix L Part 50	µg/m ³	23.4	60
3	Sulphur Dioxide as SO ₂	IS 5182 Part 2	µg/m ³	7.28	80
4	Nitrogen oxide as NO ₂	IS 5182 Part 6	µg/m ³	15.9	80
5	Ozone as O ₃	ABCTL/SOP/A/07 Issue No:01, Date:02.01.2015	µg/m ³	12.2	100
6	Lead (Pb)	IS 5182 Part 22	µg/m ³	BDL(DL:0.1)	1
7	Carbon Monoxide (CO)	IS 5182 Part 10	mg/m ³	BDL(DL:1.0)	2
8	Ammonia (NH ₃)	ABCTL/SOP/A/05 Issue No:01, Date:02.01.2015	µg/m ³	BDL(DL:5.0)	400
9	Benzene	IS 5182 Part 11	µg/m ³	BLQ (LOQ:0.10)	5
10	Benzo[a]pyrene-Particulate Phase only	ABCTL/SOP/10 Issue No.01, Date:07.07.2017	ng/m ³	BLQ (LOQ:0.10)	1
11	Arsenic (As)	ABCTL/SOP/A10 Issue No:01,Date:02.01.2015	ng/m ³	BDL(DL:1.0)	6
12	Nickel (Ni)	ABCTL/SOP/A12 Issue No.01,Date:02.01.2015	ng/m ³	BDL(DL:1.0)	20

*National Ambient Air Quality Standards prescribed by Ministry of Environment and Forests, Government of India vide Gazette Notification G.S.R. 826(E) dated 18.11.2009

BDL- Below Detection Limit, Detectable Limit, BLQ - Below Limit of Quantification, LOQ - Limit of Quantification.

.....End of Report.....

S. Dharani
S.Dharani
Quality Manager



A. Robson Chinnadurai
A. Robson Chinnadurai
Technical Manager

Verified by

Authorised Signatory

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ISSUED TO:

TEST REPORT

Covestro (India) Private Limited
Semmankuppam,-
Cuddalore-607005
Tamil Nadu



Report No	: ABCTL/2401/0043/006		
Sample Drawn by	: ABC Techno Labs India Private Limited		
Sample Description	: Ambient Air Quality Monitoring		
Location of Sampling	: Near Main Store		
Date of Sampling	: 05-01-2024	Date of Completion	: 12-01-2024
Date of Receipt	: 06-01-2024	Report Date	: 24-01-2024
Date of Analysis	: 06-01-2024	Average Atmospheric Pressure	: 1008
Temperature (°C)	: Min: 20 Max: 30	Average Wind Speed/direction	: 7.3/NE
Relative Humidity (%)	: Min: 72 Max: 93	Rain Fall	: Nil
Sampling Method	: IS 5182 Part 5 & 14		

ULR TC577024000000626F

Page:1 of 1

Sl. No.	Test Parameters	Test Method	Unit	Results	Limits*
Discipline/Group:Chemical Testing/Atmospheric Pollution					
1	Particulate Matter (Particle size less than 10 µm, (PM 10)	IS 5182 Part 23	µg/m ³	57.9	100
2	Particulate matter (Particle Size less than 2.5 µm) PM 2.5	40 CFR Appendix L Part 50	µg/m ³	28.5	60
3	Sulphur Dioxide as SO ₂	IS 5182 Part 2	µg/m ³	9	80
4	Nitrogen oxide as NO ₂	IS 5182 Part 6	µg/m ³	20.6	80
5	Ozone as O ₃	ABCTL/SOP/A/07 Issue No:01, Date:02.01.2015	µg/m ³	12.6	100
6	Lead (Pb)	IS 5182 Part 22	µg/m ³	BDL(DL:0.1)	1
7	Carbon Monoxide (CO)	IS 5182 Part 10	mg/m ³	BDL(DL:1.0)	2
8	Ammonia (NH ₃)	ABCTL/SOP/A/05 Issue No:01, Date:02.01.2015	µg/m ³	BDL(DL:5.0)	400
9	Benzene	IS 5182 Part 11	µg/m ³	BLQ (LOQ:0.10)	5
10	Benzo[a]pyrene-Particulate Phase only	ABCTL/SOP/10 Issue No.01, Date:07.07.2017	ng/m ³	BLQ (LOQ:0.10)	1
11	Arsenic (As)	ABCTL/SOP/A10 Issue No:01,Date:02.01.2015	ng/m ³	BDL(DL:1.0)	6
12	Nickel (Ni)	ABCTL/SOP/A12 Issue No.01,Date:02.01.2015	ng/m ³	BDL(DL:1.0)	20

*National Ambient Air Quality Standards prescribed by Ministry of Environment and Forests, Government of India vide Gazette Notification G.S.R. 826(E) dated 18.11.2009

BDL- Below Detection Limit, Detectable Limit, BLQ - Below Limit of Quantification, LOQ - Limit of Quantification.

.....End of Report.....

S. Dharani
S.Dharani
Quality Manager



A. Robson Chinnadurai
A. Robson Chinnadurai
Technical Manager

Verified by

Authorised Signatory

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ISSUED TO:

TEST REPORT

Covestro (India) Private Limited
Semmankuppam,-
Cuddalore-607005
Tamil Nadu



Report No	: ABCTL/2401/0043/007
Sample Drawn by	: ABC Techno Labs India Private Limited
Sample Description	: Source Emission Monitoring - DG 200 KVA
Date of Sampling	: 05-01-2024
Date of Receipt	: 06-01-2024
Date of Analysis	: 08-01-2024
Date of Completion	: 12-01-2024
Report Date	: 24-01-2024

ULR TC577024000000627F


Page:1 of 1

Sl. No.	Stack Details	DG 200 KVA
1	Stack height from ground level in meters	11
2	Stack Diameter in meters	0.2
3	Cross Sectional Area, meter square	0.03142
4	Velocity of Flue Gas in m/sec	14.7
5	Gas Discharge in Nm ³ /hr	1096
6	Stack gas temperature in (K)	449
7	Ambient gas temperature in (K)	305
8	Fuel used	Diesel
9	Sampling Method	IS 11255 Part-3 (RA:2018)

Sl. No.	Stack Attached to	Test Parameters	Sampling & Test Method	Unit	Results	MoEF Standards
1	DG 200 KVA	Particulate Matter	IS 11255 (Part-1)	g/kw-hr	0.055	0.2
2		Nitrogen dioxide	BS EN 50379-1:2012	g/kw-hr	0.6	4.0
3		Carbon Monoxide	BS EN 50379-1:2012	g/kw-hr	0.53	3.5
4		Sulphur dioxide	BS EN 50379-1:2012	mg/Nm ³	3	Not specified
5		Carbon dioxide	BS EN 50379-1:2012	%	5.2	Not Specified
6		Oxygen	BS EN 50379-1:2012	%	13.6	Not Specified

As per Environmental Protection Act 1986 the Emission standard for diesel generator set up to 800kw amendment rule vide GSR 771(E) dated 11th December 2013.

.....End of Report.....


S.Dharani
Quality Manager




A. Robson Chinnadurai
Technical Manager

Verified by

Authorised Signatory

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ISSUED TO:

TEST REPORT

Covestro (India) Private Limited

Semmankuppam,-
Cuddalore-607005
Tamil Nadu



Report No	: ABCTL/2401/0043/008
Sample Drawn by	: ABC Techno Labs India Private Limited
Sample Description	: Source Emission Monitoring - DG 600 KVA
Date of Sampling	: 05-01-2024
Date of Receipt	: 06-01-2024
Date of Analysis	: 08-01-2024
Date of Completion	: 12-01-2024
Report Date	: 24-01-2024

ULR TC57702400000628F

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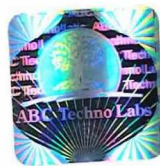
Sl. No.	Stack Details	DG 600 KVA
1	Stack height from ground level in meters	11
2	Stack Diameter in meters	0.2
3	Cross Sectional Area, meter square	0.03142
4	Velocity of Flue Gas in m/sec	15.1
5	Gas Discharge in Nm ³ /hr	1094
6	Stack gas temperature in (K)	462
7	Ambient gas temperature in (K)	306
8	Fuel used	Diesel
9	Sampling Method	IS 11255 Part-3 (RA:2018)

Sl. No.	Stack Attached to	Test Parameters	Sampling & Test Method	Unit	Results	MoEF Standards
1	DG 600 KVA	Particulate Matter	IS 11255 (Part-1)	g/kw-hr	0.047	0.2
2		Nitrogen dioxide	BS EN 50379-1:2012	g/kw-hr	0.55	4.0
3		Carbon Monoxide	BS EN 50379-1:2012	g/kw-hr	0.63	3.5
4		Sulphur dioxide	BS EN 50379-1:2012	mg/Nm ³	4	Not specified
5		Carbon dioxide	BS EN 50379-1:2012	%	5.5	Not Specified
6		Oxygen	BS EN 50379-1:2012	%	14	Not Specified

As per Environmental Protection Act 1986 the Emission standard for diesel generator set up to 800kw amendment rule vide GSR 771(E) dated 11th December 2013.

.....End of Report.....


S.Dharani
Quality Manager




A. Robson Chinnadurai
Technical Manager

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ISSUED TO:

TEST REPORT

Covestro (India) Private Limited
Semmankuppam,-
Cuddalore-607005
Tamil Nadu



Report No	: ABCTL/2401/0043/009
Sample Drawn by	: ABC Techno Labs India Private Limited
Sample Description	: Source Emission Monitoring - DG 1010 KVA
Date of Sampling	: 05-01-2024
Date of Receipt	: 06-01-2024
Date of Analysis	: 08-01-2024
Date of Completion	: 12-01-2024
Report Date	: 24-01-2024

ULR TC57702400000629F

Page:1 of 1

Sl. No.	Stack Details	DG 1010 KVA
1	Stack height from ground level in meters	30
2	Stack Diameter in meters	0.3
3	Cross Sectional Area, meter square	0.07069
4	Velocity of Flue Gas in m/sec	13.4
5	Gas Discharge in Nm ³ /hr	2369
6	Stack gas temperature in (K)	426
7	Ambient gas temperature in (K)	305
8	Fuel used	Diesel
9	Sampling Method	IS 11255 Part 3 (RA:2018)

Sl. No.	Stack Attached to	Test Parameters	Sampling & Test Method	Unit	Results	MoEF Standards
1	DG 1010 KVA	Particulate Matter	IS 11255 (Part-1)	mg/Nm ³	17	75
2		Sulphur dioxide	BS EN 50379-1:2012	mg/Nm ³	4	Not Specified
3		Nitrogen dioxide	BS EN 50379-1:2012	ppm	158	710
4		Carbon dioxide	BS EN 50379-1:2012	%	5.9	Not specified
5		Oxygen	BS EN 50379-1:2012	%	13.8	Not Specified
6		Carbon Monoxide	BS EN 50379-1:2012	mg/Nm ³	46	150

.....End of Report.....

S. Dharani
S.Dharani
Quality Manager



A. Robson Chinnadurai
A. Robson Chinnadurai
Technical Manager

Verified by

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ISSUED TO:

TEST REPORT

Covestro (India) Private Limited
Semmankuppam,-
Cuddalore-607005
Tamil Nadu



Report No	: ABCTL/2401/0043/010
Sample Drawn by	: ABC Techno Labs India Private Limited
Sample Description	: Source Emission Monitoring - Thermic Fluid Heater
Date of Sampling	: 05-01-2024
Date of Receipt	: 06-01-2024
Date of Analysis	: 08-01-2024
Date of Completion	: 12-01-2024
Report Date	: 24-01-2024

ULR TC577024000000630F

Page:1 of 1

Sl. No.	Stack Details	Thermic Fluid Heater
1	Stack height from ground level in meters	31.9
2	Stack Diameter in meters	0.4
3	Cross Sectional Area, meter square	0.12568
4	Velocity of Flue Gas in m/sec	11.7
5	Gas Discharge in Nm ³ /hr	3562
6	Stack gas temperature in (K)	429
7	Ambient gas temperature in (K)	306
8	Fuel used	Diesel
9	Sampling Method	IS 11255 Part-3 (RA:2018)

Sl. No.	Stack Attached to	Test Parameters	Sampling & Test Method	Unit	Results	MoEF Standards
1	Thermic Fluid Heater	Particulate Matter	IS 11255 (Part-1)	mg/Nm ³	13	150
2		Sulphur dioxide	BS EN 50379-1:2012	mg/Nm ³	4	Not Specified
3		Nitrogen dioxide	BS EN 50379-1:2012	mg/Nm ³	92	Not Specified
4		Carbon dioxide	BS EN 50379-1:2012	%	5	Not specified
5		Oxygen	BS EN 50379-1:2012	%	13.9	Not Specified
6		Carbon Monoxide	BS EN 50379-1:2012	mg/Nm ³	57	Not Specified

.....End of Report.....

S. Dharani
S.Dharani
Quality Manager



A. Robson Chinnadurai
A. Robson Chinnadurai
Technical Manager

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ISSUED TO:

TEST REPORT

Covestro (India) Private Limited
Semmankuppam,-
Cuddalore-607005
Tamil Nadu



Report No	: ABCTL/2401/0043/011
Sample Drawn by	: ABC Techno Labs India Private Limited
Sample Description	: Source Emission Monitoring - Process Vent Scrubber
Date of Sampling	: 05-01-2024
Date of Receipt	: 06-01-2024
Date of Analysis	: 08-01-2024
Date of Completion	: 12-01-2024
Report Date	: 24-01-2024

ULR TC57702400000631F

Page:1 of 1

Sl. No.	Stack Details	Process Vent Scrubber
1	Stack height from ground level in meters	17.3
2	Stack Diameter in meters	0.5
3	Cross Sectional Area, meter square	0.196375
4	Velocity of Flue Gas in m/sec	7.3
5	Gas Discharge in Nm ³ /hr	4789
6	Stack gas temperature in (K)	319
7	Ambient gas temperature in (K)	305
8	Fuel used	Diesel
9	Sampling Method	IS 11255 Part-3 (RA:2018)

Sl. No.	Stack Attached to	Test Parameters	Sampling & Test Method	Unit	Results	MoEF Standards
1	Process Vent Scrubber	Particulate Matter	IS 11255 (Part-1)	mg/Nm ³	14	150
2		Sulphur dioxide	BS EN 50379-1:2012	mg/Nm ³	BDL(DL:1.0)	Not Specified
3		Nitrogen dioxide	BS EN 50379-1:2012	mg/Nm ³	BDL(DL:1.0)	Not Specified
4		Carbon dioxide	BS EN 50379-1:2012	%	0.3	Not specified
5		Oxygen	BS EN 50379-1:2012	%	20.1	Not Specified
6		Carbon Monoxide	BS EN 50379-1:2012	mg/Nm ³	6	Not Specified

.....End of Report.....

S. Dharani
S.Dharani
Quality Manager



A. Robson Chinnadurai
A. Robson Chinnadurai
Technical Manager

Verified by

Authorised Signatory

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TEST REPORT

M/s. Covestro (India) Private Limited,
Cuddalore - Chidambaram Main Road,
Semmankuppam Village, Cuddalore - 607 005.

Report Number	:	ABCTL/2401/0043/011
Sample Drawn by	:	ABC Techno Labs India Private Limited
Sample Description	:	Source Emission Monitoring - Process Vent Scrubber
Date of Sampling	:	05-01-2024
Date of Receipt	:	06-01-2024
Date of Commences	:	08-01-2024
Date of Completed	:	12-01-2024
Report Date	:	20-01-2024

Page 1 of 1

S. No.	Stack Attached to	Test Method	Acid Mist (mg/Nm ³)
1	Process Vent Scrubber	EPA 8	0.14
MoEF Standards (HCl Acid Vapours and Mist)			35

.....END OF REPORT.....

S. Dharani

S.Dharani
Quality Manager
Verified by



A. Robson Chinnadurai

A. Robson Chinnadurai
Technical Manager-Lab
Authorised Signatory

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ISSUED TO:

TEST REPORT

Covestro (India) Private Limited

Semmankuppam,
Cuddalore-607005
Tamil Nadu



Report No	: ABCTL/2401/0048/001-016
Sample Drawn by	: ABC Techno Labs India Private Limited
Sample Description	: Noise Level Monitoring - Source
Date of Sampling	: 05-01-2024
Date of Receipt	: 06-01-2024
Analysis Commenced on	: 08-01-2024
Analysis Completed on	: 12-01-2024
Report Date	: 20-01-2024
Sampling & Test Method	: IS: 4758-1968 (Reaff: 2019)-Source

ULR TC577024000000634F

Page:1 of 1

Sl. No.	Location	Unit	Results	Limits*
1	Line 1 Pack Out Room - Process Plant	dB(A)	63.9	90
2	Process Dehumidifier Area	dB(A)	71.8	90
3	Process Extruder Area	dB(A)	75.2	90
4	Control Room	dB(A)	59.8	90
5	Line 2 Extruder Area	dB(A)	74.9	90
6	Line 2 Packout Room Process plant	dB(A)	76.5	90
7	Blower Area	dB(A)	79.8	90
8	Near Hot Water Tank Area	dB(A)	63.4	90
9	Near Air Compressor Area	dB(A)	81.9	90
10	QA lab Area	dB(A)	54.5	90
11	Main Stores Area	dB(A)	56.8	90
12	Oven House Area	dB(A)	61.7	90
13	Lab Moulding Machine Area	dB(A)	67.8	90
14	Near Raw Material Area	dB(A)	56.6	90
15	Near ETP Area	dB(A)	63.4	90
16	Cooling Tower Area	dB(A)	72.3	90

.....End of Report.....



S.Dharani
Quality Manager




A. Robson Chinnadurai
Technical Manager

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ISSUED TO:

TEST REPORT

M/s. Covestro (India) Private Limited,
Cuddalore - Chidambaram Main Road,
Semmankuppam Village, Cuddalore - 607 005.

Report No	:	ABCTL/2401/0047/001
Sample Drawn by	:	ABC Techno Labs India Private Limited
Sample Description	:	Source Noise Level Monitoring
Date of Sampling	:	05-01-2024
Date of Receipt	:	06-01-2024
Analysis Commences on	:	08-01-2024
Analysis Completed on	:	12-01-2024
Report Date	:	20-01-2024
Sampling & Test Method	:	IS: 4758-1968(Reaff: 2019)-Source

Page 1 of 1

S. No.	Location	Noise Level [dB(A)] Result		
		0.5 m distance from acoustic enclosure Open	0.5 m distance from acoustic enclosure Closed	Insertion Loss [dB(A)]
1	DG 1010 KVA	98.9	73	25.9
CPCB Standard (> 1000 KVA)				>25 [dB(A)]

.....End of Report.....



S. Dharani

S.Dharani
Quality Manager



A. Robson Chinnadurai

A. Robson Chinnadurai
Technical Manager-Lab

Verified by

Authorised Signatory

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ISSUED TO:

TEST REPORT

Covestro (India) Private Limited
Semmankuppam,-
Cuddalore-607005
Tamil Nadu



Report No	: ABCTL/2401/0047/002-003
Sample Drawn by	: ABC Techno Labs India Private Limited
Sample Description	: DG Noise Level Monitoring
Date of Sampling	: 05-01-2024
Date of Receipt	: 06-01-2024
Analysis Commenced on	: 08-01-2024
Analysis Completed on	: 12-01-2024
Report Date	: 20-01-2024
Sampling & Test Method	: Method: IS: 4758-1968(Reaff: 2019)-Source

ULR TC577024000000633F

Page:1 of 1

Sl. No.	Location	Noise Level (dB(A)) Result	
		1 m distance from acoustic enclosure Open	1 m distance from acoustic enclosure Closed
1	DG 600 KVA	98.1	72.6
2	DG 200 KVA	94.5	72.3
	Standard *	-	75

#The Noise standard for Diesel Generator sets upto 1000 KVA as per Environmental Protection Act 1986 and subsequent amendment rule vide GSR 215(E) dated 15th March 2011.

.....End of Report.....



S. Dharani
S.Dharani
Quality Manager



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Technical Manager

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ISSUED TO:

TEST REPORT



Covestro (India) Private Limited
Semmankuppam,
Cuddalore-607005
Tamil Nadu

Report No	: ABCTL/2401/0043/012-016
Sample Drawn by	: ABC Techno Labs India Private Limited
Sample Description	: Ambient Air Quality Monitoring - Total Volatile Organic Compounds (TVOC's)
Date of Sampling	: 05-01-2024
Date of Receipt	: 06-01-2024
Analysis Commenced on	: 08-01-2024
Analysis Completed on	: 12-01-2024
Report Date	: 20-01-2024
Sampling & Test Method	: ABCTL/SOP/A13

ULR TC57702400000635F

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Sl. No.	Test Parameters	Location	Test Method	Unit	Results
1	Total Volatile Organic Compounds	Near ETP Area	ABCTL/SOP/A13 Issue No.01, Date:01.06.2017	µg/m ³	BDL(DL:1.0)
2		Near Production Plant -I		µg/m ³	BDL(DL:1.0)
3		Near Production Plant -II		µg/m ³	BDL(DL:1.0)
4		Emergency Gate		µg/m ³	BDL(DL:1.0)
5		Raw Material Storage		µg/m ³	BDL(DL:1.0)

BDL- Below Detection Limit, Detectable Limit-1 µg/m³

.....End of Report.....



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