

Date: 03rd Nov 2023
Lr. No. CIPL/MoEF/Nov-20

To

Additional Principal Chief Conservator of Forests (C)
Ministry of Env., Forest and Climate Change
Integrated Regional Office, 1st Floor, Additional Office Block for GPOA,
Shastri Bhavan, Haddows Road, Nungambakkam,
Chennai-600 006.

Dear Sir,

**Sub: Submission of Environmental Clearance - Compliance
Conditions Status from the Period of 1st Apr 2023 to 30th Sep 2023 -
Regards.**

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

With reference to the above cited subject, we have been furnishing the
Environmental Clearance (EC) - Compliance conditions status covering the
period of 1st Apr 2023 to 30th Sep 2023.

This is for your kind information & record please.

Thanking you.

Yours Faithfully,

For **Covestro (India) Private Limited.,**

Authorized Signatory.

Enclosure:

Annexure-I : EC – Compliance Conditions Status.

Amt:41.30(Cash)Tax:6.30
<Track on www.indiapost.gov.in>
<Dial 18002666888> <Wear Masks, Stay Safe>
RT482094714IN ITR:8284482094714
RL SIPCOT CUDDALORE S.O <607005>
Counter No:1,15/11/2023,12:36
To:ADDL PRINCIPA,CONSERVAGOR OF F
PIN:600006, Greams Road S.O
From:THE PLANT H,COVESTRO INDIA
Wt:50gms Ack Fees:3.00,REG=17.0
Amt:41.30(Cash)Tax:6.30
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India Post
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Amt:41.30
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From: Hub
o/c.

Covestro (India) Pvt. Ltd.
Cin : U19113MH1995PTC179724

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

Telephone
+ 91 4142 239313
+ 91 4142 239913

Fax
+ 91 4142 239911

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

Covestro.com



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
Ref:	:	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 01.04.2023 to 30.09.2023.

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 TNPCB / 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 TNPCB/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



S.No.	EC Condition	Compliance Status
		results of the AAQM is being displayed in digital display board at the factory entrance.
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 dated 01.02.2017 and the renewal request letter was submitted to SIPCOT dated 18.07.2022. 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



S.No.	EC Condition	Compliance Status
		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 storm water drain for monitoring the parameters to ensure the same. Storm water drains were passed through the Rainwater harvesting pit.
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.	Complied with. Waste Generated: 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. We have the agreement with TSDF (both disposal & recycler). Firefighting facilities has been provided as per the standards.
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.	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. 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.
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	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. A dedicated Occupation Health Centre (OHC) has been provided within the premises and health



S.No.	EC Condition	Compliance Status
	regular basis and records maintained as per the factories Act.	surveillance of the workers is performed on a regular basis and records are maintained as per the Factories Act.
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 bring 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 construction 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.



S.No.	EC Condition	Compliance Status
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 maximum ground level concentrations are anticipated.	Complied with. We have installed a AAQM stations at Upwind & Downwind within our plant premises for regular monitoring by TNPCB / NABL approved labs.
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 (night time).	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	Complied with. We have already allocated adequate funds to implement the conditions stipulated by the



S.No.	EC Condition	Compliance Status
	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/ pollution control measures shall not be diverted for any other purpose.	Ministry of Environment and Forest as well as the State Government along with the implementation schedule for all the conditions stipulated.
XIII.	A copy of the clearance letter shall be sent by the project proponent to concerned 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

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

Report Number	: ABCTL/2023/07/09475			
Sample Drawn by	: ABC Techno Labs India Private Limited			
Sample Description	: Ambient Air Quality Monitoring			
Location of Sampling	: AAQ1- Near Hazardous Scrap yard			
Date of Sampling	: 25-07-2023 to 26-07-2023	Date of completion	: 01-08-2023	
Date of Receipt	: 27-07-2023	Report date	: 01-08-2023	
Date of Analysis	: 27-07-2023	Page No	: 1 of 1	
Temperature (°C)	: Min- 20	Max - 29	Avg. Wind Speed/Direction	: 11 km/hr/W
Relative Humidity (%)	: Min - 66	Max - 93	Rain Fall	: Nil
Sampling Method	: IS 5182 Part 5 & 14			

S. No.	Test Parameters	Results	Test Method	Standards*
1	Particulate Matter size less than 10- µm (PM ₁₀), µg/m ³	45.6	IS 5182 Pt.23 : 2006 (Reaff. 2017)	100
2	Particulate Matter size less than 2.5- µm (PM _{2.5}), µg/m ³	22.7	EPA- 40 Appendix L To Part 50	60
3	Sulphur Dioxide (SO ₂), µg/m ³	7.02	IS 5182: Part 2:2001 (Reaff. 2017)	80
4	Nitrogen Dioxide (NO ₂), µg/m ³	14.3	IS 5182: Part 6:2006 (Reaff. 2017)	80
5	Ozone (O ₃), µg/m ³	12.2	ABCTL/SOP/A07	100
6	Lead (Pb), µg/m ³	BDL (DL:0.1)	IS 5182: Part 22: 2004 (Reaff:2019)	1
7	Carbon Monoxide (CO), mg/m ³	BDL(DL:0.1)	IS 5182 (Part 10): 1999 (RA 2019)	2
8	Ammonia (NH ₃), µg/m ³	BDL(DL:5.0)	ABCTL/SOP/A05	400
9	Benzene (C ₆ H ₆), µg/m ³	BDL (DL:0.01)	IS 5182 Part 11 : 2006(RA 2017)	5
10	Benzo (a) Pyrene - Particulate Phase only, ng/m ³	BDL (DL:0.1)	IS 5182 (Part12): 2004 (RA 2014)	1
11	Arsenic (As), ng/m ³	BDL (DL:1)	CPCB : NAAQMS/36/2012-13/ ABCTL/SOP/A10	6
12	Nickel (Ni), ng/m ³	BDL (DL:1)	CPCB : NAAQMS/36/2012-13/ ABCTL/SOP/A12	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

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

S. Dharani

Quality Manager

Verified by



A. Robson Chinnadurai

Technical Manager-Lab

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. 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

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

Report Number	:	ABCTL/2023/07/09476		
Sample Drawn by	:	ABC Techno Labs India Private Limited		
Sample Description	:	Ambient Air Quality Monitoring		
Location of Sampling	:	AAQ2- Near ETP		
Date of Sampling	:	25-07-2023 to 26-07-2023	Date of completion	: 01-08-2023
Date of Receipt	:	27-07-2023	Report date	: 01-08-2023
Date of Analysis	:	27-07-2023	Page No	: 1 of 1
Temperature (°C)	:	Min- 20	Max - 29	Avg. Wind Speed/Direction : 11 km/hr/W
Relative Humidity (%)	:	Min - 66	Max - 93	Rain Fall : Nil
Sampling Method	:	IS 5182 Part 5 & 14		Page 1 of 1

S. No.	Test Parameters	Results	Test Method	Standards*
1	Particulate Matter size less than 10- µm (PM ₁₀), µg/m ³	48.3	IS 5182 Pt.23 : 2006 (Reaff. 2017)	100
2	Particulate Matter size less than 2.5- µm (PM _{2.5}), µg/m ³	23.9	EPA- 40 Appendix L To Part 50	60
3	Sulphur Dioxide (SO ₂), µg/m ³	7.52	IS 5182: Part 2:2001 (Reaff. 2017)	80
4	Nitrogen Dioxide (NO ₂), µg/m ³	15.5	IS 5182: Part 6:2006 (Reaff. 2017)	80
5	Ozone (O ₃), µg/m ³	13.3	ABCTL/SOP/A07	100
6	Lead (Pb), µg/m ³	BDL (DL:0.1)	IS 5182: Part 22: 2004 (Reaff:2019)	1
7	Carbon Monoxide (CO), mg/m ³	BDL(DL:0.1)	IS 5182 (Part 10): 1999 (RA 2019)	2
8	Ammonia (NH ₃), µg/m ³	BDL(DL:5.0)	ABCTL/SOP/A05	400
9	Benzene (C ₆ H ₆), µg/m ³	BDL (DL:0.01)	IS 5182 Part 11 : 2006(RA 2017)	5
10	Benzo (a) Pyrene - Particulate Phase only, ng/m ³	BDL (DL:0.1)	IS 5182 (Part12): 2004 (RA 2014)	1
11	Arsenic (As), ng/m ³	BDL (DL:1)	CPCB : NAAQMS/36/2012-13/ ABCTL/SOP/A10	6
12	Nickel (Ni), ng/m ³	BDL (DL:1)	CPCB : NAAQMS/36/2012-13/ ABCTL/SOP/A12	20

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

BDL- Below Detection Limit

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

S. Dharani
Quality Manager
Verified by



A. Robson Chinnadurai
Technical Manager-Lab
Authorised Signatory

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ISSUED TO:

TEST REPORT

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

Report Number	: ABCTL/2023/07/09478			
Sample Drawn by	: ABC Techno Labs India Private Limited			
Sample Description	: Ambient Air Quality Monitoring			
Location of Sampling	: AAQ3- Near STP			
Date of Sampling	: 25-07-2023 to 26-07-2023	Date of completion	: 01-08-2023	
Date of Receipt	: 27-07-2023	Report date	: 01-08-2023	
Date of Analysis	: 27-07-2023	Page No	: 1 of 1	
Temperature (°C)	: Min- 20	Max - 29	Avg. Wind Speed/Direction	: 11 km/hr/W
Relative Humidity (%)	: Min - 66	Max - 93	Rain Fall	: Nil
Sampling Method	: IS 5182 Part 5 & 14	Page 1 of 1		

S. No.	Test Parameters	Results	Test Method	Standards*
1	Particulate Matter size less than 10- μ m (PM ₁₀), μ g/m ³	41.8	IS 5182 Pt.23 : 2006 (Reaff. 2017)	100
2	Particulate Matter size less than 2.5- μ m (PM _{2.5}), μ g/m ³	20.6	EPA- 40 Appendix L To Part 50	60
3	Sulphur Dioxide (SO ₂), μ g/m ³	6.22	IS 5182: Part 2:2001 (Reaff. 2017)	80
4	Nitrogen Dioxide (NO ₂), μ g/m ³	13.7	IS 5182: Part 6:2006 (Reaff. 2017)	80
5	Ozone (O ₃), μ g/m ³	11	ABCTL/SOP/A07	100
6	Lead (Pb), μ g/m ³	BDL(DL:0.1)	IS 5182: Part 22: 2004 (Reaff:2019)	1
7	Carbon Monoxide (CO), mg/m ³	BDL(DL:0.1)	IS 5182 (Part 10): 1999 (RA 2019)	2
8	Ammonia (NH ₃), μ g/m ³	BDL(DL:5.0)	ABCTL/SOP/A05	400
9	Benzene (C ₆ H ₆), μ g/m ³	BDL (DL:0.01)	IS 5182 Part 11 : 2006(RA 2017)	5
10	Benzo (a) Pyrene - Particulate Phase only, ng/m ³	BDL(DL:0.1)	IS 5182 (Part12): 2004 (RA 2014)	1
11	Arsenic (As), ng/m ³	BDL(DL:1)	CPCB : NAAQMS/36/2012-13/ ABCTL/SOP/A10	6
12	Nickel (Ni), ng/m ³	BDL(DL:1)	CPCB : NAAQMS/36/2012-13/ ABCTL/SOP/A12	20

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

BDL- Below Detection Limit

.....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

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

Report Number	: ABCTL/2023/07/09480			
Sample Drawn by	: ABC Techno Labs India Private Limited			
Sample Description	: Ambient Air Quality Monitoring			
Location of Sampling	: AAQ6- Near Main Store			
Date of Sampling	: 25-07-2023 to 26-07-2023	Date of completion	: 01-08-2023	
Date of Receipt	: 27-07-2023	Report date	: 01-08-2023	
Date of Analysis	: 27-07-2023	Page No	: 1 of 1	
Temperature (°C)	: Min- 20	Max - 29	Avg. Wind Speed/Direction	: 11 km/hr/W
Relative Humidity (%)	: Min - 66	Max - 93	Rain Fall	: Nil
Sampling Method	: IS 5182 Part 5 & 14	Page 1 of 1		

S. No.	Test Parameters	Results	Test Method	Standards*
1	Particulate Matter size less than 10- μm (PM ₁₀), $\mu\text{g}/\text{m}^3$	51.8	IS 5182 Pt.23 : 2006 (Reaff. 2017)	100
2	Particulate Matter size less than 2.5- μm (PM _{2.5}), $\mu\text{g}/\text{m}^3$	25.2	EPA- 40 Appendix L To Part 50	60
3	Sulphur Dioxide (SO ₂), $\mu\text{g}/\text{m}^3$	8.11	IS 5182: Part 2:2001 (Reaff. 2017)	80
4	Nitrogen Dioxide (NO ₂), $\mu\text{g}/\text{m}^3$	18.9	IS 5182: Part 6:2006 (Reaff. 2017)	80
5	Ozone (O ₃), $\mu\text{g}/\text{m}^3$	14.2	ABCTL/SOP/A07	100
6	Lead (Pb), $\mu\text{g}/\text{m}^3$	BDL(DL:0.1)	IS 5182: Part 22: 2004 (Reaff:2014)	1
7	Carbon Monoxide (CO), mg/m ³	BDL(DL:0.1)	IS 5182 (Part 10): 1999 (RA 2014)	2
8	Ammonia (NH ₃), $\mu\text{g}/\text{m}^3$	BDL(DL:5.0)	ABCTL/SOP/A05	400
9	Benzene (C ₆ H ₆), $\mu\text{g}/\text{m}^3$	BDL (DL:0.01)	IS 5182 Part 11 : 2006(RA 2017)	5
10	Benzo (a) Pyrene - Particulate Phase only, ng/m ³	BDL(DL:0.1)	IS 5182 (Part12): 2004 (RA 2014)	1
11	Arsenic (As), ng/m ³	BDL(DL:1)	CPCB : NAAQMS/36/2012-13/ ABCTL/SOP/A10	6
12	Nickel (Ni), ng/m ³	BDL(DL:1)	CPCB : NAAQMS/36/2012-13/ ABCTL/SOP/A12	20

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

BDL- Below Detection Limit

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S. Dharani

S. Dharani
Quality Manager
Verified by



A. Robson Chinnadurai
Technical Manager-Lab
Authorised Signatory

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ISSUED TO:

TEST REPORT

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

Report Number	: ABCTL/2023/07/09479			
Sample Drawn by	: ABC Techno Labs India Private Limited			
Sample Description	: Ambient Air Quality Monitoring			
Location of Sampling	: AAQ5- Near Chilling Plant			
Date of Sampling	: 25-07-2023 to 26-07-2023	Date of completion	: 01-08-2023	
Date of Receipt	: 27-07-2023	Report date	: 01-08-2023	
Date of Analysis	: 27-07-2023	Page No	: 1 of 1	
Temperature (°C)	: Min- 20	Max - 29	Avg. Wind Speed/Direction	: 11 km/hr/W
Relative Humidity (%)	: Min - 66	Max - 93	Rain Fall	: Nil
Sampling Method	: IS 5182 Part 5 & 14	Page 1 of 1		

S. No.	Test Parameters	Results	Test Method	Standards*
1	Particulate Matter size less than 10- µm (PM ₁₀), µg/m ³	49.8	IS 5182 Pt.23 : 2006 (Reaff. 2017)	100
2	Particulate Matter size less than 2.5- µm (PM _{2.5}), µg/m ³	24.3	EPA- 40 Appendix L To Part 50	60
3	Sulphur Dioxide (SO ₂), µg/m ³	7.58	IS 5182: Part 2:2001 (Reaff. 2017)	80
4	Nitrogen Dioxide (NO ₂), µg/m ³	16.1	IS 5182: Part 6:2006 (Reaff. 2017)	80
5	Ozone (O ₃), µg/m ³	12.8	ABCTL/SOP/A07	100
6	Lead (Pb), µg/m ³	BDL(DL:0.1)	IS 5182: Part 22: 2004 (Reaff:2014)	1
7	Carbon Monoxide (CO), mg/m ³	BDL(DL:0.1)	IS 5182 (Part 10): 1999 (RA 2014)	2
8	Ammonia (NH ₃), µg/m ³	BDL(DL:5.0)	ABCTL/SOP/A05	400
9	Benzene (C ₆ H ₆), µg/m ³	BDL (DL:0.01)	IS 5182 Part 11 : 2006(RA 2017)	5
10	Benzo (a) Pyrene - Particulate Phase only, ng/m ³	BDL(DL:0.1)	IS 5182 (Part12): 2004 (RA 2014)	1
11	Arsenic (As), ng/m ³	BDL(DL:1)	CPCB : NAAQMS/36/2012-13/ ABCTL/SOP/A10	6
12	Nickel (Ni), ng/m ³	BDL(DL:1)	CPCB : NAAQMS/36/2012-13/ ABCTL/SOP/A12	20

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

BDL- Below Detection Limit

.....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

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

Report Number	: ABCTL/2023/07/09477			
Sample Drawn by	: ABC Techno Labs India Private Limited			
Sample Description	: Ambient Air Quality Monitoring			
Location of Sampling	: AAQ3- Near Vehicle shed			
Date of Sampling	: 25-07-2023 to 26-07-2023	Date of completion	: 01-08-2023	
Date of Receipt	: 27-07-2023	Report date	: 01-08-2023	
Date of Analysis	: 27-07-2023	Page No	: 1 of 1	
Temperature (°C)	: Min- 20	Max - 29	Avg. Wind Speed/Direction	: 11 km/hr/W
Relative Humidity (%)	: Min - 66	Max - 93	Rain Fall	: Nil
Sampling Method	: IS 5182 Part 5 & 14	Page 1 of 1		

S. No.	Test Parameters	Results	Test Method	Standards*
1	Particulate Matter size less than 10- µm (PM ₁₀), µg/m ³	57.2	IS 5182 Pt.23 : 2006 (Reaff. 2017)	100
2	Particulate Matter size less than 2.5- µm (PM _{2.5}), µg/m ³	27.5	EPA- 40 Appendix L To Part 50	60
3	Sulphur Dioxide (SO ₂), µg/m ³	8.96	IS 5182: Part 2:2001 (Reaff. 2017)	80
4	Nitrogen Dioxide (NO ₂), µg/m ³	20.2	IS 5182: Part 6:2006 (Reaff. 2017)	80
5	Ozone (O ₃), µg/m ³	15.6	ABCTL/SOP/A07	100
6	Lead (Pb), µg/m ³	BDL(DL:0.1)	IS 5182: Part 22: 2004 (Reaff:2014)	1
7	Carbon Monoxide (CO), mg/m ³	BDL(DL:0.1)	IS 5182 (Part 10) : 1999 (RA 2014)	2
8	Ammonia (NH ₃), µg/m ³	BDL(DL:5.0)	ABCTL/SOP/A05	400
9	Benzene (C ₆ H ₆), µg/m ³	BDL (DL:0.01)	IS 5182 Part 11 : 2006(RA 2017)	5
10	Benzo (a) Pyrene – Particulate Phase only, ng/m ³	BDL(DL:0.1)	IS 5182 (Part12): 2004 (RA 2014)	1
11	Arsenic (As), ng/m ³	BDL(DL:1)	CPCB : NAAQMS/36/2012-13/ ABCTL/SOP/A10	6
12	Nickel (Ni), ng/m ³	BDL(DL:1)	CPCB : NAAQMS/36/2012-13/ ABCTL/SOP/A12	20

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

BDL- Below Detection Limit

.....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

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

Report Number	:	ABCTL/2023/07/09491
Sample Drawn by	:	ABC Techno Labs India Private Limited
Sample Description	:	Noise Level Monitoring – Source
Date of Sampling	:	25-07-2023
Date of Receipt	:	27-07-2023
Date of Completion	:	30-07-2023
Report Date	:	01-08-2023

Page 1 of 1

S. No.	Locations	Noise Level [dB(A)]
1	Line 1 Pack out Room –Process Plant	65.4
2	Process Dehumidifier area	73
3	Process Extruder Area	74.8
4	Control Room	57.2
5	Line 2 Extruder Area	77
6	Line -2 Pack out Room Process Plant	78.1
7	Blower Area	80.8
8	Near Hot water Tank area	65.6
9	Near Air Compressor area	84.7
10	QA lab Area	55.4
11	Main Stores Area	58.3
12	Oven House Area	63.2
13	Lab Moulding Machine Area	69
14	Near Raw Material Area	58.7
15	Near ETP Area	65.3
16	Cooling Tower Area	78.2
Source Noise Standard		Factory Act 1948 85[dB(A)]
		OSHA 90.0[dB(A)]

Method: IS: 4758-1968 (Reaff: 2019)-Source

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

S. Jitendra

S.Dharani
Quality Manager
Verified by



A. Robson Chinnadurai
Technical Manager Lab
Authorised Signatory

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ISSUED TO:

TEST REPORT

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

Report Number	:	ABCTL/2023/07/09491
Sample Drawn by	:	ABC Techno Labs India Private Limited
Sample Description	:	DG Noise Level Monitoring
Date of Sampling	:	25-07-2023
Date of Receipt	:	27-07-2023
Date of Completion	:	30-07-2023
Report Date	:	01-08-2023

Page 1 of 2

S. No.	Location	Noise Level [dB(A)]	
		1 m distance from acoustic enclosure Open	1 m distance from acoustic enclosure Closed
1	600 KVA	98.3	72.9
2	200 KVA	97	71.8
Standard#		75	

Method: IS: 4758-1968(Reaff: 2019)-Source

#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.

Contd.....

S. Dharani
Quality Manager
Verified by



A. Robson Chinnadurai
Technical Manager-Lab
Authorised Signatory

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ISSUED TO:

TEST REPORT

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

Report Number	:	ABCTL/2023/07/09483-9484			
Sample Drawn by	:	ABC Techno Labs India Private Limited			
Sample Description	:	Source Emission Monitoring - DG			
Date of Sampling	:	25-07-2023	Date of Completion	:	01-08-2023
Date of Receipt	:	27-07-2023	Report Date	:	01-08-2023
Date of Analysis	:	27-07-2023	Page No	:	1 of 1

Sl.No	Stack Details	DG 600 KVA (R.No.09483)	DG 200 KVA (R.No.09484)
1	Stack height from ground level in meters	11	11
2	Stack Diameter in meters	0.2	0.2
3	Cross Sectional Area, m ²	0.03142	0.03142
4	Velocity of Flue Gas in m/sec	16.1	14.3
5	Gas Discharge in Nm ³ /hr	1144	1050
6	Stack gas temperature in (K)	471	456
7	Ambient gas temperature in (K)	307	307
8	Fuel used	Diesel	Diesel

S. No	Stack Attached to	Pollutant Concentration-Result					
		PM (g/kw-hr)	NO _x , (g/kw-hr)	CO (g/kw-hr)	SO ₂ (mg/Nm ³)	CO ₂ %	O ₂ %
1	DG 600 KVA	0.046	0.61	0.52	3	5.5	12.9
2	DG 200 KVA	0.064	0.79	0.65	2	5.1	13.2
CPCB Standard		0.2	4.0	3.5	Not Specified	Not Specified	Not Specified
Sampling & Test Method		IS 11255 Part 1 (RA:2019)		BS EN 50379-1-2012.			

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
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Technical Manager-Lab
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ISSUED TO:

TEST REPORT

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

Report Number	:	ABCTL/2023/07/09485			
Sample Drawn by	:	ABC Techno Labs India Private Limited			
Sample Description	:	Source Emission Monitoring- Power Generator			
Date of Sampling	:	25-07-2023	Date of Completion	:	01-08-2023
Date of Receipt	:	27-07-2023	Report Date	:	01-08-2023
Date of Analysis	:	27-07-2023	Page No	:	1 of 1

Sl.No	Stack Details	1010 KVA S.No: SYCO6752 (R.No.09485)
1	Stack height from ground level in meters	30
2	Stack Diameter in meters	0.3
3	Cross Sectional Area, m ²	0.07069
4	Velocity of Flue Gas in m/sec	15.8
5	Gas Discharge in Nm ³ /hr	3551
6	Stack gas temperature in (K)	336
7	Ambient gas temperature in (K)	308
8	Fuel used	Diesel
Sampling & Test Method		IS 11255 Part 3 (RA:2018)

S.No	Stack attached to	Pollutant Concentration - Result					
		PM (mg/Nm ³)	SO ₂ (mg/Nm ³)	NO _x (ppm)	CO ₂ (%)	O ₂ (%)	CO (mg/Nm ³)
1	1010 KVA	15	1	164	5.7	12.8	42
MoEF Standards		75	-	710	Not Specified	Not Specified	150
Sampling & Test Method		IS 11255 Part 1 (RA:2019)	BS EN 50379-1-2012.				

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



S. Dharani
Quality Manager
Verified by



A. Robson Chinnadurai
Technical Manager-Lab
Authorised Signatory

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ISSUED TO:

TEST REPORT

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

Report Number	:	ABCTL/2023/07/09481			
Sample Drawn by	:	ABC Techno Labs India Private Limited			
Sample Description	:	Source Emission Monitoring			
Date of Sampling	:	25-07-2023	Date of Completion	:	01-08-2023
Date of Receipt	:	27-07-2023	Report Date	:	01-08-2023
Date of Analysis	:	27-07-2023	Page No	:	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	Port Hole Height From Ground Level in meters	10.4
4	Cross Sectional Area, m ²	0.12568
5	Velocity of Flue Gas in m/sec	11.2
6	Gas Discharge in Nm ³ /hr	3448
7	Stack gas temperature in (K)	431
8	Ambient gas temperature in (K)	307
9	Fuel used	Diesel

S. No	Stack Attached to	PM (mg/Nm ³)	SO ₂ (mg/Nm ³)	NO _x (mg/Nm ³)	CO ₂ (%)	O ₂ (%)	CO (mg/Nm ³)
1	Thermic Fluid Heater	12.8	3	96	5	13.3	70
MoEF Standards		150	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified
Sampling & Test Method		IS 11255 Part 1 (RA:2019)	BS EN 50379-1-2012.				

....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

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

Report Number	:	ABCTL/2023/07/09482			
Sample Drawn by	:	ABC Techno Labs India Private Limited			
Sample Description	:	Source Emission Monitoring			
Date of Sampling	:	25-07-2023	Date of Completion	:	01-08-2023
Date of Receipt	:	27-07-2023	Report Date	:	01-08-2023
Date of Analysis	:	27-07-2023	Page No	:	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, m ²	0.196375
4	Velocity of Flue Gas in m/sec	7.6
5	Gas Discharge in Nm ³ /hr	5107
6	Stack gas temperature in (K)	312
7	Ambient gas temperature in (K)	306

S. No	Stack Attached to	Pollutant Concentration					
		PM (mg/Nm ³)	SO ₂ (mg/Nm ³)	NO ₂ (mg/Nm ³)	CO ₂ (%)	O ₂ (%)	CO (mg/Nm ³)
1	Process Vent Scrubber	13.3	BDL(DL:1)	BDL(DL:1)	0.4	20.2	5
MoEF Standards		150	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified
Sampling & Test Method		IS 11255 Part 1 (RA:2019)	BS EN 50379-1-2012.				

....End of Report....


S.Dharani
Quality Manager
Verified by




A. Robson Chinnadurai
Technical Manager-Lab
Authorised Signatory

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ISSUED TO:

TEST REPORT

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

Report Number	:	ABCTL/2023/07/09486-09490
Sample Drawn by	:	ABC Techno Labs India Private Limited
Customer Ref. No.	:	PO.No.2414762360-Dt.17-07-2023
Sample Description	:	Ambient Air Quality Monitoring Total Volatile Organic Compounds (TVOC's)
Date of Sampling	:	25-07-2023
Date of Receipt	:	27-07-2023
Date of Analysis	:	27-07-2023
Date of Completion	:	31-07-2023
Report Date	:	01-08-2023

S. No.	Location of Sampling	Unit	TVOC's Results	Test Method
1	Near ETP Area	µg/m ³	BDL(DL:1)	ABCTL/SOP/A13
2	Near Production Plant -I	µg/m ³	BDL(DL:1)	
3	Near Production Plant -II	µg/m ³	BDL(DL:1)	
4	Emergency Gate	µg/m ³	BDL(DL:1)	
5	Raw Material Storage Room	µg/m ³	BDL(DL:1)	

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

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


S.Dharani
Quality Manager
Verified by




A. Robson Chinnadurai
Technical Manager-Lab
Authorised Signatory

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