

SIX MONTHLY COMPLIANCE REPORT

PERIOD: APRIL 2022 to SEPTEMBER 2022

No.: J-11011/551/2010-IA-II (I), Dated – 22.03.2013



Prepared by:

SUBHAM OILS & RESINS PVT. LTD.

Village Surjpur, Tehsil Barackpore, District North 24

Paraganas, Pin - 700121 West Bengal

INTRODUCTION

Subham Oils & Resins Private Limited has established Alkyd Manufacturing unit (1,500 TPA/42.5 MTPM) at JL No. 15, Plot No. 650/780, 635/781, 636/861, Village Surjpur, Tehsil Barackpore, District North 24 Parganas, West Bengal. It has started its commercial production in 2014. The plant is continuing their production safely till to date without any causing any environmental mismanagement.

Subham Oils & Resins Private Limited was granted Environmental Clearances from Ministry of Environment & Forest (MoEF), Consent to Establish as well as Consent to operate (CTO) from West Bengal Pollution Control Board respectively. As part of the compliance of statutory requirement environmental quality monitoring is being done. In the mean time the project proponent has obtained the EC for its expansion unit.

Ambient Air Quality Monitoring Stations have been established and are monitored at four locations around the site. Presently environmental quality monitoring & analysis is being carried out by M/s. Envirocheck, Kolkata, West Bengal.

As per the conditions of MoEF the unit is complying all the conditions. The detail regarding compliance is given herewith in the following pages for the half yearly period of April 2022 to September 2022.



COMPLIANCE STATUS ON ENVIRONMENTAL CLEARANCE

Name of the Project: Alkyd Manufacturing Unit (1500 TPA)

Clearance Letter No.: F-No. J-11011/551/2010-IA-II (I), dated 22nd March, 2013

Project Code: 110-250

Period of Compliance Report: April 2022 to September 2022

A. SPECIFIC CONDITIONS:

SI.	COMPLIANCE CONDITIONS	:	COMPLIANCE STATUS
i.	Regular monitoring of Volatile Organic Compounds (VOCs) should be carried out.		VOC monitoring has been carried out inside the factory premises as per the requirement of six monthly compliance report.
ii.	Stack of adequate height should be installed to oil fired boiler to disperse waste gases into atmosphere.	:	Due to the combustion of H.S.D. in the boiler, the stack height with the boiler is 100 feet. The test report is as Annexure – 1 .
iii.	Fugitive emissions in the work zone environment, product, raw materials storage area etc. should be regularly monitored. The emissions should confirm to the limits imposed by SPCB.	:	Work Zone monitoring has been done as per the condition. The test report is in Annexure – 3 .
iv.	Wet scrubber should be provided to control process emissions. Methanol should be recovered from the process area.	:	Wet scrubber has been provided to control process emissions. The essential hood is fitted mouth of the charging door. Methanol recovery is not applicable in this unit.

SI.	COMPLIANCE CONDITIONS	:	COMPLIANCE STATUS
v.	Total water requirement should not exceed 0.4m ³ /day and prior permission shall be obtained from the concerned Authority.		Water does not required in this process. Water is used for cooling purpose only. The requirement of waste is restricted to 400 lits/day.
vi.	As proposed, Industrial effluent shall be treated in ETP. Treated effluent should be reused/recycled within the factory premises. Water quality of treated effluent shall meet the norms prescribed by CPCB/SPCB. As proposed Phenol should be extracted/treated from the effluent before sending to the ETP.		The E.T.P. has been installed and running successfully. The treatment method involves chemical followed by activated sludge process and tertiary treatment with activated carbon. The treated waste water is used in different domestic purpose. The Test Report is in the Annexure – 4.
vii.	The company should obtain Authorization for collection, storage and disposal of hazardous waste under the Hazardous Waste (Management, Handling and Trans-Boundary Movement) Rules, 2008 and amended as on date for management of Hazardous wastes and prior permission from SPCB should be obtained for disposal of solid / hazardous waste in the TSDF. Measures should be taken for firefighting facilities in case of emergency.		Authorization has been obtained for collection, storage and disposal of hazardous waste under hazardous waste under the Hazardous Waste (Management, Handling & Trans-Boundary Movement) Rules. The waste is given to WBPCB authorize agency as per agreement done with that agency.
viii.	Solvent management should be as follows :		In this unit all precautionary measures are taken as per diection

SI.	COMPLIANCE CONDITIONS	:	COMPLIANCE STATUS
	- Reactor should be connected to chilled brine condensersystem. - Reactor and solvent handling pump shouldhave mechanicalseals to preventleakages. - The condensers should be provided with sufficient Heat Transfer Area. (HTA) and residence time so as to achieve more than 95%recovery. - Solvents should be stored in a separate space specified with all safety measures. - Proper earthing should be provided in all the electrical equipments wherever solvent handling isdone. Entire plant where solvents are used should be flame proof. The solvent storage tanks should be provided with breather valve to prevent losses.		to minimize the probability of any untoward incident. All safety measures are taken as per the conditions mentioned above. All chemicals are kept in earmarked area as per direction of the EC. Flame proof Solvents are used in the entire plant. Solvent storage tank is provided with breather valve to prevent losses.
ix.	As proposed, green belt should be developed in at least 33 % of the project area. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.		This is a small unit. However, the essential green belt plan development is prepared and accordingly all the measures are implemented gradually in the open space. At least 33% is targeted for plantation area. The evidence is given in the Photographs.

Sl.	COMPLIANCE CONDITIONS	:	COMPLIANCE STATUS
x.	Occupational health surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act.		Occupational health surveillance of the workers has been done on a regular basis. All the workers are covered under ESI scheme and essential medical checkup is done in ESI hospitals. However a regular health check of workers is done as per requirement on case to case basis. Annexure – 6.
xi.	All the commitments made to the public during the Public Hearing/Public Consultation meeting held on 30.1.2012 shall be satisfactorily implemented and a separate budget for implementing the same shall be allocated and information submitted to the Ministry's Regional Office at Bhubaneswar		The financial budget for Environment Management Plan is kept to take care of the commitments given during public hearing held on 30.01.2012.
xii.	The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.		The entire necessary infrastructure was provided to workers at time of construction work. The proponent has provided essential drinking water, medical facilities and other amenities to the worker. Temporary structure of labour hutment will be removed after completion of the project in the expansion unit.

B. GENERAL CONDITIONS

SI.	COMPLIANCE CONDITIONS	:	COMPLIANCE STATUS
i.	Ambient air quality data should be collected as per NAAQS standards notified by the Ministry on 16hSeptember,2009.		Monitoring of AAQ is done in every six month as per the condition. The AAQ Monitoring has been done on 26.02.2022. The Test Report is given in Annexure – 2 .
ii.	The project authorities must strictly adhere to the stipulations made by the West Bengal Pollution Control Board and the State Government.		The project proponent is adhering to all the stipulation made by W.B.P.C.B. and the State Government.
iii.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.		There will be no further expansion or modification in the plant carried out without prior approval of Ministry of Environment and Forests and necessary EC is already obtained.
iv.	At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM ₁₀ , SO ₂ and NO _x are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Bhubaneswar and the SPCB/CPCB once in six months.		Ambient Air Quality Monitoring stations has been installed as per the predominant wind direction as per the condition. The monitoring is done once in every six months. See Annexure – 2 . The Stack emission and Ambient Air Quality monitoring report are submitted regularly to MoEF Bhubaneswar and the SPCB once in six months.

Sl.	COMPLIANCE CONDITIONS	:	COMPLIANCE STATUS
v.	Industrial waste water shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 th May, 1993 and 31 st December, 1993 or as amended from time to time. The treated waste water shall be utilized for plantation purpose.		The condensate from the condenser is the main source of waste water generation in this unit. There is other waste water from domestic discharge. The domestic discharge is taken to septic tank.
vi.	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods , silencers, enclosures etc. on all sources of noise generation . The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (day time) and-70 dBA (night time).		The overall noise levels in and around the plant is kept within the limit under EPA rules, 1989 viz.75 dBA (daytime) and 70 dBA (nighttime). In this unit all necessary measures are taken to control the noise level. See Annexure – 5.
vii.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.		As per requirement occupational health surveillance of the workers is done on a regular basis. Employees are covered under State Employees Insurance.
viii.	The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.		Rain water harvesting system will be installed. In the plan recharging of ground water is not considered.

Sl.	COMPLIANCE CONDITIONS	:	COMPLIANCE STATUS
ix.	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further ,the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc		According to the recommendations & plan, implementation of the environmental protection measures and safeguards is completed in the unit. Beside this the unit has taken part in the social activities in the surrounding villagers. The unit has already implemented Environmental Management Plan and regularly taking part in social activities in the nearby areas.
x.	Requisite funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional office of the Ministry of Bhubaneswar. The funds so provided shall not be diverted for any other purpose.		Necessary funds are kept towards capital cost & recurring cost/annum For Environmental Pollution Control measures in line with the guidelines of State Pollution Control Board.
xi.	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestion /representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.		The clearance copy is given to the concerned Panchayet. The suggestion/representation is taken care of. Also the clearance letter is put on the website of the company.

SI.	COMPLIANCE CONDITIONS	:	COMPLIANCE STATUS
xii.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF at Bhubaneswar. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM10, SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.		The condition is complied herewith.
xiii.	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Bhubaneswar/ CPCB / SPCB shall monitor the stipulated conditions.		The proponent is submitting six monthly report regularly to the Regional Office of MoEF, Bhubaneswar and SPCB.
xiv.	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent 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 conditions and shall also be sent to the respective Regional Office of the MOEF at Bhubaneswar by e-mail.		The Environmental Statement for the year ending 31 st March is made and submitted in due course as per Environment (Protection) Rules, 1986.

SI.	COMPLIANCE CONDITIONS	:	COMPLIANCE STATUS
xv.	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 and may also be seen at Website of the Ministry of Environment and Forests 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 should be forwarded to the Regional office at Bhubaneswar.		All the conditions are complied & copy of the advertisement is given in Annexure – 7.
xvi.	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 commencing the land development work.		The copy of the Consent to Establish and Consent to Operate are enclosed herewith in Annexure -8.



ENVIROCHECK

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Annexure -1

TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	:	Subham Oils & Resins Pvt. Ltd.	Type of Industry	:	Alkyd & Synthetic Resin Mfg. Unit
Address	:	Vill. + P.O. – Surjopur, P.S. – Titagarh, Dist. – 24 Pgs.(N) – 700121	Sampling Date	:	26.09.2022
			Period of Analysis	:	28.09.2022 – 29.09.2022
			Date of Issue	:	30.09.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Stack Emission
Sample ID No.	:	ENV/262/Sep./M/A/I	Report No.	:	ENV/262/Sep./M/TR(A)/I/22-23

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Reaction Kettle (Over Hood)
Shape of Stack	:	Circular
		Height of Stack (mtr.) (from G. L.) : 30.0
Materials of Construction	:	M.S.
		Stack I.D. at sampling point (mtr.) : 0.30
Capacity	:	10 MT/Batch
		Height of sampling port (mtr.) (from G.L.) : 22.0
Emission Due to	:	Process Activity
Fuel Used	:	N.A.
		Permanent Platform & Ladder : Yes
Working Fuel Consumption	:	Nil
Pollution Control Device	:	Wet Scrubber with Activated Carbon Bed Scrubber

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	: 65.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	: 757.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 8.33	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	: 1858.66	N.A.
5.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part – 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	: 16.59	150.0

Remarks : Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87].
: N.A. means Not Available.

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Approved By :

Dr. SUMIT CHOWDHURY
Technical Manager

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Overseas : UAE ■ Qatar ■ Netherlands



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TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	: Subham Oils & Resins Pvt. Ltd.	Type of Industry	: Alkyd & Synthetic Resin Mfg. Unit
Address	: Vill. + P.O. – Surjopur, P.S. – Titagarh, Dist. – 24 Pgs.(N) – 700121	Sampling Date	: 26.09.2022
		Period of Analysis	: 28.09.2022 – 29.09.2022
		Date of Issue	: 30.09.2022
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Stack Emission
Sample ID No.	: ENV/262/Sep./M/A/II	Report No.	: ENV/262/Sep./M/TR(A)/II/22-23

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: Thermic Fluid Heater
Shape of Stack	: Circular
Materials of Construction	: M.S.
Capacity	: 6,00,000 K-Cal/hr.
Emission Due to	: Combustion of Wood
Fuel Used	: Wood
Working Fuel Consumption	: 100 kg./hr.
Pollution Control Device	: Bag Filter with Mechanical Dust Collector
Height of Stack (mtr.) (from G. L.)	: 30.0
Stack I.D. at sampling point (mtr.)	: 0.30
Height of sampling port (mtr.) (from G.L.)	: 6.09
Permanent Platform & Ladder	: Yes

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	: 123.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	: 757.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 10.58	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	: 2005.68	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	: <0.1	N.A.
6.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	: 5.2	N.A.
7.	Concentration of CO	% (v/v)	IS 13270 1992 RA 2003	: <1.0	1.0
8.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part – 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	: 26.50	150.0

Remarks : Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87].
: N.A. means Not Available.

Reviewed By :

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Overseas : UAE ■ Qatar ■ Netherlands



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TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	:	Subham Oils & Resins Pvt. Ltd.	Type of Industry	:	Alkyd & Synthetic Resin Mfg. Unit
Address	:	Vill. + P.O. – Surjopur, P.S. – Titagarh, Dist. – 24 Pgs.(N) – 700121	Sampling Date	:	26.09.2022
			Period of Analysis	:	28.09.2022 – 29.09.2022
			Date of Issue	:	30.09.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Stack Emission
Sample ID No.	:	ENV/262/Sep./M/A/III	Report No.	:	ENV/262/Sep./M/TR(A)/III/22-23

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	D. G. Set – 160 KVA (Acoustic Enclosure attached)
Shape of Stack	:	Circular
Materials of Construction	:	M.S.
Capacity	:	160 KVA
Emission Due to	:	Combustion of H.S.D
Fuel Used	:	H.S.D
Working Fuel Consumption	:	20 liter./hr.
Pollution Control Device	:	Nil
Height of Stack (mtr.) (from G. L.)	:	15.24
Stack I.D. at sampling point (mtr.)	:	0.1016
Height of sampling port (mtr.) (from G.L.)	:	7.62
Permanent Platform & Ladder	:	Yes

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	179.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	757.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	14.06	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	269.05	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	21.0	N.A.
6.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	8.4	N.A.
7.	Concentration of CO	% (v/v)	IS 13270 1992 RA 2003	<1.0	1.0
8.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part – 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	28.60	150.0

Remarks : Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87].
: N.A. means Not Available.

Reviewed By :

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Annexure -2

TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Industry	:	Subham Oils & Resins Pvt. Ltd.	Type of Industry	:	Alkyd & Synthetic Resin Mfg. Unit
Address	:	Vill. + P.O. – Surjopur, P.S. – Titagarh, Dist. – 24 Pgs.(N) – 700121	Sampling Date	:	26.09.2022 – 27.09.2022
			Period of Analysis	:	28.09.2022 – 29.09.2022
			Date of Issue	:	30.09.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Ambient Air
Sample ID No.	:	ENV/262/Sep./M/A/IV	Report No.	:	ENV/262/Sep./M/TR(A)/IV/22-23

A] GENERAL INFORMATION

1. Location of Sampling : Back Side of the Plant
2. Duration of Sampling : 24 hrs. (09:20 a.m. – 09:20 a.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 29.0
2. Average Relative Humidity (%) : 69.0
3. Barometric Pressure (mm of Hg) : 757.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Clear sky

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L	49.56	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	86.26	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	7.80	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	26.50	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10): 1999 reaffirmed 2005 & ASTM D 3162-94 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	0.14	2.0
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) 2004	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2004 & ASTM D 6209-98 reapproved 2004 : Sec. 11 (Vol. 11.07) : 2011	<0.36	1.0
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2006 & ASTM D 5466-01 reapproved 2007 : Sec. 11 (Vol. 11.07) : 2011	<0.74	5.0
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-IX) : 1974	<10.0	100.0
10.	Ammonia (NH ₃)	µg/m ³	NIOSH Manual of Analytical Method, 4 th Edition 1994, Method 6015, issue 2	<4.18	400.0
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	<0.02	20.0
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999, APHA 23 rd Ed 3114C : 2017	<0.01	6.0

Remarks : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009.

Reviewed By :

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Dy. Quality Manager

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TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Industry	: Subham Oils & Resins Pvt. Ltd.	Type of Industry	: Alkyd & Synthetic Resin Mfg. Unit
Address	: Vill. + P.O. – Surjopur, P.S. – Titagarh, Dist. – 24 Pgs.(N) – 700121	Sampling Date	: 26.09.2022 – 27.09.2022
		Period of Analysis	: 28.09.2022 – 29.09.2022
		Date of Issue	: 30.09.2022
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Ambient Air
Sample ID No.	: ENV/262/Sep./M/A/V	Report No.	: ENV/262/Sep./M/TR(A)/V/22-23

A] GENERAL INFORMATION

1. Location of Sampling : East Side of the Village
2. Duration of Sampling : 24 hrs. (09:45 a.m. – 09:45 a.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 28.0
2. Average Relative Humidity (%) : 68.0
3. Barometric Pressure (mm of Hg) : 757.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Clear sky

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L	46.30	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	76.18	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	6.20	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	23.50	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10): 1999 reaffirmed 2005 & ASTM D 3162-94 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	0.12	2.0
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) 2004	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2004 & ASTM D 6209-98 reapproved 2004 : Sec. 11 (Vol. 11.07) : 2011	<0.36	1.0
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2006 & ASTM D 5466-01 reapproved 2007 : Sec. 11 (Vol. 11.07) : 2011	<0.74	5.0
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-IX) : 1974	<10.0	100.0
10.	Ammonia (NH ₃)	µg/m ³	NIOSH Manual of Analytical Method, 4 th Edition 1994, Method 6015, issue 2	<4.18	400.0
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	<0.02	20.0
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999, APHA 23 rd Ed 3114C : 2017	<0.01	6.0

Remarks : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009.

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Approved By :

Dr. SUMIT CHOWDHURY
Technical Manager

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Overseas : UAE ■ Qatar ■ Netherlands



ENVIROCHECK

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TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Industry	: Subham Oils & Resins Pvt. Ltd.	Type of Industry	: Alkyd & Synthetic Resin Mfg. Unit
Address	: Vill. + P.O. – Surjopur, P.S. – Titagarh, Dist. – 24 Pgs.(N) – 700121	Sampling Date	: 26.09.2022 – 27.09.2022
		Period of Analysis	: 28.09.2022 – 29.09.2022
		Date of Issue	: 30.09.2022
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Ambient Air
Sample ID No.	: ENV/262/Sep./M/A/VI	Report No.	: ENV/262/Sep./M/TR(A)/VI/22-23

A] GENERAL INFORMATION

1. Location of Sampling : Near Main Gate
2. Duration of Sampling : 24 hrs. (10:15 a.m. – 10:15 a.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 30.0
2. Average Relative Humidity (%) : 70.0
3. Barometric Pressure (mm of Hg) : 757.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Clear sky

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L	54.67	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	89.49	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	11.80	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	30.0	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10): 1999 reaffirmed 2005 & ASTM D 3162-94 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	0.26	2.0
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) 2004	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2004 & ASTM D 6209-98 reapproved 2004 : Sec. 11 (Vol. 11.07) : 2011	<0.36	1.0
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2006 & ASTM D 5466-01 reapproved 2007 : Sec. 11 (Vol. 11.07) : 2011	<0.74	5.0
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-IX) : 1974	18.50	100.0
10.	Ammonia (NH ₃)	µg/m ³	NIOSH Manual of Analytical Method, 4 th Edition 1994, Method 6015, issue 2	<4.18	400.0
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	<0.02	20.0
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999, APHA 23 rd Ed 3114C : 2017	<0.01	6.0

Remarks : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009.

Reviewed By :

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Dy. Quality Manager

Approved By :

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Overseas : UAE ■ Qatar ■ Netherlands



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TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Industry	: Subham Oils & Resins Pvt. Ltd.	Type of Industry	: Alkyd & Synthetic Resin Mfg. Unit
Address	: Vill. + P.O. – Surjopur, P.S. – Titagarh, Dist. – 24 Pgs.(N) – 700121	Sampling Date	: 26.09.2022 – 27.09.2022
		Period of Analysis	: 28.09.2022 – 29.09.2022
		Date of Issue	: 30.09.2022
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Ambient Air
Sample ID No.	: ENV/262/Sep./M/A/VII	Report No.	: ENV/262/Sep./M/TR(A)/VII/22-23

A] GENERAL INFORMATION

1. Location of Sampling : Infront of Office
2. Duration of Sampling : 24 hrs. (10:45 a.m. – 10:45 a.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 30.0
2. Average Relative Humidity (%) : 70.0
3. Barometric Pressure (mm of Hg) : 757.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Clear sky

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L	50.83	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	80.09	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	6.20	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	31.50	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10): 1999 reaffirmed 2005 & ASTM D 3162-94 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	0.14	2.0
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) 2004	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2004 & ASTM D 6209-98 reapproved 2004 : Sec. 11 (Vol. 11.07) : 2011	<0.36	1.0
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2006 & ASTM D 5466-01 reapproved 2007 : Sec. 11 (Vol. 11.07) : 2011	<0.74	5.0
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-IX) : 1974	<10.0	100.0
10.	Ammonia (NH ₃)	µg/m ³	NIOSH Manual of Analytical Method, 4 th Edition 1994, Method 6015, issue 2	<4.18	400.0
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	<0.02	20.0
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999, APHA 23 rd Ed 3114C : 2017	<0.01	6.0

Remarks : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009.

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Approved By :

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Annexure - 3

TEST REPORT

FORMAT NO : ENV/FM/57

Name of the Industry	:	Subham Oils & Resins Pvt. Ltd.	Type of Industry	:	Alkyd & Synthetic Resin Mfg. Unit
Address	:	Vill. + P.O. – Surjopur, P.S. – Titagarh, Dist. – 24 Pgs.(N) – 700121	Sampling Date	:	26.09.2022
			Period of Analysis	:	28.09.2022 – 29.09.2022
			Date of Issue	:	30.09.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Work Zone Air
Sample ID No.	:	ENV/262/Sep./M/A/VIII	Report No.	:	ENV/262/Sep./M/TR(A)/VIII/22-23

A] GENERAL INFORMATION

1. Location of Sampling : Inside the Store
2. Duration of Sampling : 08 hrs. (11:45 a.m. – 07:45 p.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 31.4
2. Average Relative Humidity (%) : 68.0
3. Barometric Pressure (mm of Hg) : 757.0
4. Smell or Odour : No Remarkable Smell

C] RESULT

SL. NO.	PARAMETER	UNIT	METHOD NO.	RESULT	LIMIT
1.	Concentration of SPM	µg/m ³	NIOSH 0500 : 1994	240.12	5000.0

Remarks : Limit as per The Factory Act – 1948.

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Approved By :

Dr. SUMIT CHOWDHURY
Technical Manager



ENVIROCHECK

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TEST REPORT

FORMAT NO : ENV/FM/57

Name of the Industry	: Subham Oils & Resins Pvt. Ltd.	Type of Industry	: Alkyd & Synthetic Resin Mfg. Unit
Address	: Vill. + P.O. – Surjopur, P.S. – Titagarh, Dist. – 24 Pgs.(N) – 700121	Sampling Date	: 26.09.2022
		Period of Analysis	: 28.09.2022 – 29.09.2022
		Date of Issue	: 30.09.2022
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Work Zone Air
Sample ID No.	: ENV/262/Sep./M/A/VIII	Report No.	: ENV/262/Sep./M/TR(A)/VIII/22-23

A] GENERAL INFORMATION

1. Location of Sampling : Inside the Store
2. Duration of Sampling : 08 hrs. (11:45 a.m. – 07:45 p.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 31.4
2. Average Relative Humidity (%) : 68.0
3. Barometric Pressure (mm of Hg) : 757.0
4. Smell or Odour : No Remarkable Smell

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	5.80	N.A.
2.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	22.60	N.A.

Remarks : N.A. means Not Available.

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Approved By :

Dr. SUMIT CHOWDHURY
Technical Manager



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TEST REPORT

FORMAT NO : ENV/FM/57

Name of the Industry	:	Subham Oils & Resins Pvt. Ltd.	Type of Industry	:	Alkyd & Synthetic Resin Mfg. Unit
Address	:	Vill. + P.O. – Surjopur, P.S. – Titagarh, Dist. – 24 Pgs.(N) – 700121	Sampling Date	:	26.09.2022
			Period of Analysis	:	28.09.2022 – 29.09.2022
			Date of Issue	:	30.09.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Work Zone Air
Sample ID No.	:	ENV/262/Sep./M/A/IX	Report No.	:	ENV/262/Sep./M/TR(A)/IX/22-23

A] GENERAL INFORMATION

1. Location of Sampling : Inside the Processing Unit
2. Duration of Sampling : 08 hrs. (11:30 a.m. – 07:30 p.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 29.0
2. Average Relative Humidity (%) : 68.0
3. Barometric Pressure (mm of Hg) : 757.0
4. Smell or Odour : No Remarkable Smell

C] RESULT

SL. NO.	PARAMETER	UNIT	METHOD NO.	RESULT	LIMIT
1.	Concentration of SPM	µg/m ³	NIOSH 0500 : 1994	392.42	5000.0

Remarks : Limit as per The Factory Act – 1948.

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Approved By :

Dr. SUMIT CHOWDHURY
Technical Manager



ENVIROCHECK

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Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



TEST REPORT

FORMAT NO : ENV/FM/57

Name of the Industry	:	Subham Oils & Resins Pvt. Ltd.			Type of Industry	:	Alkyd & Synthetic Resin Mfg. Unit			
Address	:	Vill. + P.O. – Surjopur, P.S. – Titagarh, Dist. – 24 Pgs.(N) – 700121			Sampling Date	:	26.09.2022			
					Period of Analysis	:	28.09.2022 – 29.09.2022			
					Date of Issue	:	30.09.2022			
Sampling Plan & Procedure		:	ENV/SOP/01	Deviation from the Sampling Method and Plan		:	No	Type of Sample	:	Work Zone Air
Sample ID No.	:	ENV/262/Sep./M/A/IX			Report No.	:	ENV/262/Sep./M/TR(A)/IX/22-23			

A] GENERAL INFORMATION

1. Location of Sampling : Inside the Processing Unit
2. Duration of Sampling : 08 hrs. (11:30 a.m. – 07:30 p.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 29.0
2. Average Relative Humidity (%) : 68.0
3. Barometric Pressure (mm of Hg) : 757.0
4. Smell or Odour : No Remarkable Smell

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	6.0	N.A.
2.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	23.80	N.A.

Remarks : N.A. means Not Available.

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Approved By :

Dr. SUMIT CHOWDHURY
Technical Manager



ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
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Annexure -4

FORMAT NO. ENV/FM/40

TEST REPORT

Name of the Industry	:	Subham Oils & Resins Pvt. Ltd.				Type of Industry	:	Alkyd & Synthetic Resin Mfg. Unit	
Address	:	Vill. + P.O. – Surjopur, P.S. – Titagarh, Dist. – 24 Pgs.(N) – 700121				Sampling Date	:	26.09.2022	
						Period of Analysis	:	26.09.2022 – 29.09.2022	
						Date of Issue	:	30.09.2022	
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No	Type of Sample	:	Industrial Effluent Water (Grab)	
Location	:	E.T.P Inlet	Sample ID No.	:	ENV/669/Sep./W/M/I		Report No.	:	ENV/669/Sep./TR(W)/M/I

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS
1.	pH	4500 H+B APHA 23 rd Edition, 2017	--	5.20
2.	Total Suspended Solids	2540 D APHA 23 rd Edition, 2017	mg/l	120.0
3.	Oil & Grease	5520 Oil B/D APHA 23 rd Edition, 2017	mg/l	14.5
4.	Chemical Oxygen Demand	5200 COD B/C/D APHA 23 rd Edition, 2017	mg/l	1250.0
5.	Biochemical Oxygen Demand for 3 days at 27°C	5210 BOD B APHA 23 rd Edition, 2017	mg/l	320.0

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Approved By :

Dr. SUMIT CHOWDHURY
Technical Manager



ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



FORMAT NO. ENV/FM/40

TEST REPORT

Name of the Industry	:	Subham Oils & Resins Pvt. Ltd.				Type of Industry		:	Alkyd & Synthetic Resin Mfg. Unit	
Address	:	Vill. + P.O. – Surjopur, P.S. – Titagarh, Dist. – 24 Pgs.(N) – 700121				Sampling Date		:	26.09.2022	
						Period of Analysis		:	26.09.2022 – 29.09.2022	
						Date of Issue		:	30.09.2022	
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No	Type of Sample		:	Industrial Effluent Water (Grab)	
Location	:	E.T.P Outlet	Sample ID No.	:	ENV/669/Sep./W/M/II		Report No.	:	ENV/669/Sep./TR(W)/M/II	

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS	LIMIT
1.	pH	4500 H+B APHA 23 rd Edition, 2017	--	6.89	5.5-9.0
2.	Total Suspended Solids	2540 D APHA 23 rd Edition, 2017	mg/l	30.0	100.0
3.	Oil & Grease	5520 Oil B/D APHA 23 rd Edition, 2017	mg/l	54.0	10.0
4.	Chemical Oxygen Demand	5200 COD B/C/D APHA 23 rd Edition, 2017	mg/l	80.0	250.0
5.	Biochemical Oxygen Demand for 3 days at 27°C	5210 BOD B APHA 23 rd Edition, 2017	mg/l	26.0	30.0

Remarks : Limit as per Schedule VI inserted by Rule 2(d) of the Environment (Protection) Second Amendment Rules, 1993 notified vide G.S.R. 422(E) dated 19.05.1993, published in the Gazette No. 174 dated 19.05.1993.

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Approved By :

Dr. SUMIT CHOWDHURY
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Overseas : UAE ■ Qatar ■ Netherlands



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Annexure - 5

FORMAT NO. ENV/FM/53

TEST REPORT

• <i>Name of Industry / Company / Factory / Office</i>	: Subham Oils & Resins Pvt. Ltd.		
• <i>Address</i>	: Vill. - Iswaripur P.O – Surjopur, P.S– Titagarh, District – North 24 Parganas, Pin -700121		
• <i>Type of Industry</i>	: Alkyd & Synthetic Resin Manufacturing Unit		
• <i>Sampling Plan & Procedure</i>	: ENV/SOP/02		
• <i>Deviation from the Sampling Method & Plan</i>	: No		
• <i>Type of Sample</i>	: Noise Level Study		
• <i>Sample ID</i>	: ENV/263/M/N	<i>Report ID</i>	: ENV/263/M/(TR)N/ 22-23
• <i>Date of Study</i>	: 26/09/2022	<i>Reporting Date</i>	: 30/09/2022
• <i>Method No.</i>	: IS 15575 (Part 2), 2022	<i>Time of Duration of Noise</i>	: 20 Minutes
• <i>Sample Monitored by</i>	: Mr. Subhas Mondal	<i>Height from Ground Level</i>	: 4 Feet.

RESULT OF NOISE LEVEL STUDY

Sl. No.	Location Name	dB (A) - (Noise Data)										Time (Hours)	Min dB (A)	Max dB (A)	Leq dB (A)	Limit in Leq dB(A)
1.	Near D.G Room (160 KVA)	72.0	71.9	73.4	74.8	75.0	75.4	76.0	76.4	73.8	74.3	9:00 - 9:20 A.M (Day Time)	71.9	76.4	74.53	A. Industrial Area (Day Time - 75.0) (Night Time - 70.0)
2.	Near D.G Room (160 KVA)	62.8	63.1	64.4	65.0	66.2	66.6	67.0	65.4	67.1	64.8	10:00 - 10:20 P.M (Night Time)	62.8	67.1	65.47	B. Commercial Area (Day Time - 65.0) (Night Time - 55.0)
3.	Near Store Room	61.2	61.7	62.4	63.8	64.3	66.6	64.0	64.7	63.4	62.8	9:30 - 9:50 A.M (Day Time)	61.2	66.6	63.76	C. Residential Area (Day Time - 55.0) (Night Time - 45.0)
4.	Near Store Room	47.2	48.5	46.3	49.4	50.6	51.8	51.6	50.8	49.7	48.4	10:30 - 10:50 P.M (Night Time)	46.3	51.8	49.76	D. Silent Zone (Day Time - 50.0) (Night Time - 40.0)

> End of Report <

** Mean of Leq - Equivalent to Sound Energy		** Central Pollution Control Board, Ministry of Environment & Forests Government of India & Department of Environment, Government of West Bengal)	
		**Day Time is reckoned in between	**Night Time is reckoned in between
		6:00 A.M & 10:00 P.M	10:00 P.M & 6:00 A.M
PERMISSIBLE NOISE EXPOSURE FOR INDUSTRIAL WORKERS / Source : The Noise Pollution (Regulation and Control) Rules, 2000			
Hours	Limit in dB(A)		
8	90		
4	93		
2	96		
1	99		
1/2	102		
1/4	105		
1/8	108		
1/16	111		
1/32	114		
(2 minutes or less)	-		

Reviewed By:

Dy. Quality Manager

Approved By:

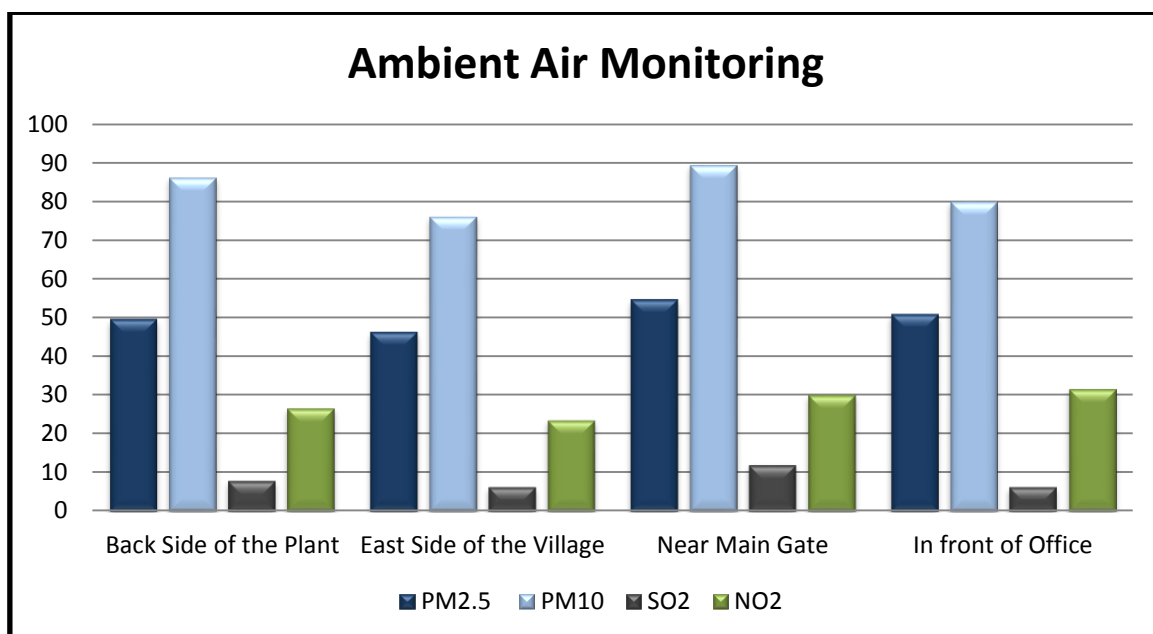
Quality Manager

DATA INTERPRETATION

1. Ambient Air Monitoring

Ambient air quality monitoring has been carried out in the month of September, 2022 in four locations to assess the ambient air quality of Project Site.

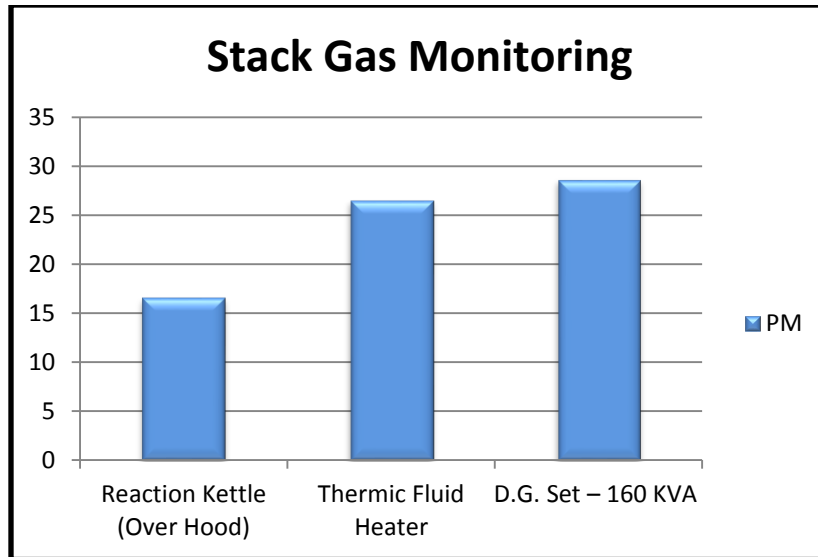
Parameters	Back Side of the Plant	East Side of the Village	Near Main Gate	In front of Office
PM _{2.5} (µg/m ³)	49.56	46.30	54.67	50.83
PM ₁₀ (µg/m ³)	86.26	76.18	89.49	80.09
SO ₂ (µg/m ³)	7.80	6.20	11.80	6.20
NO ₂ (µg/m ³)	26.50	23.50	30.0	31.50



2. Stack Gas Analysis

The sample was taken on 26th September, 2022.

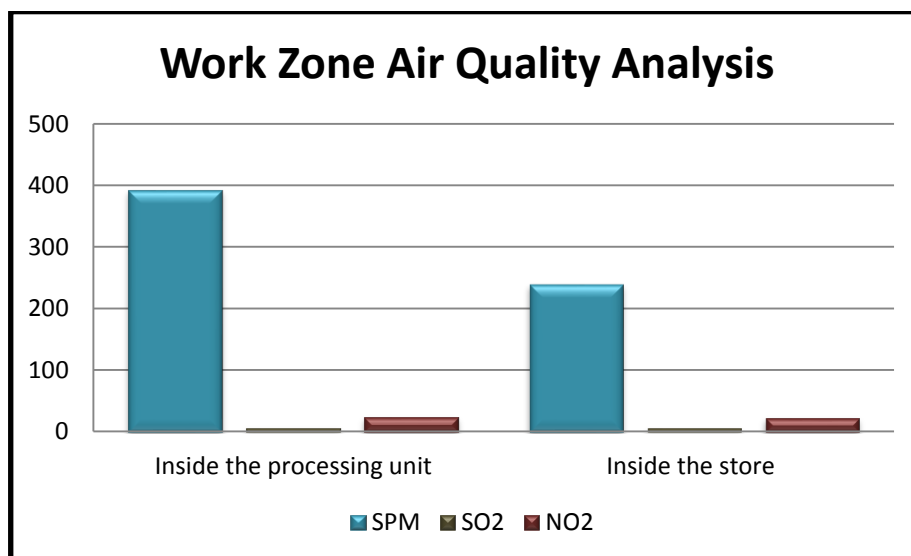
Location Name Parameters	Reaction Kettle (Over Hood)	Thermic Fluid Heater	D.G. Set – 160 KVA
PM (mg/Nm ³)	16.59	26.50	28.60



3. Work Zone Air Quality Analysis

The sampling has been carried in month of September, 2022.

Parameters	Inside the Processing Unit	Inside the store
SPM($\mu\text{g}/\text{m}^3$)	392.42	240.12
SO ₂ ($\mu\text{g}/\text{m}^3$)	6.0	5.80
NO ₂ ($\mu\text{g}/\text{m}^3$)	23.80	22.60



4. Effluent Water Quality Monitoring

Effluent water sampling date is 26th September, 2022.

i. E.T.P Inlet

Parameters	Results
pH value	5.20
Total Suspended Solids	120.0
Oil & Grease	14.5
Chemical Oxygen Demand	1250.0
BOD [3 days, 27°C] (mg./l)	320.0

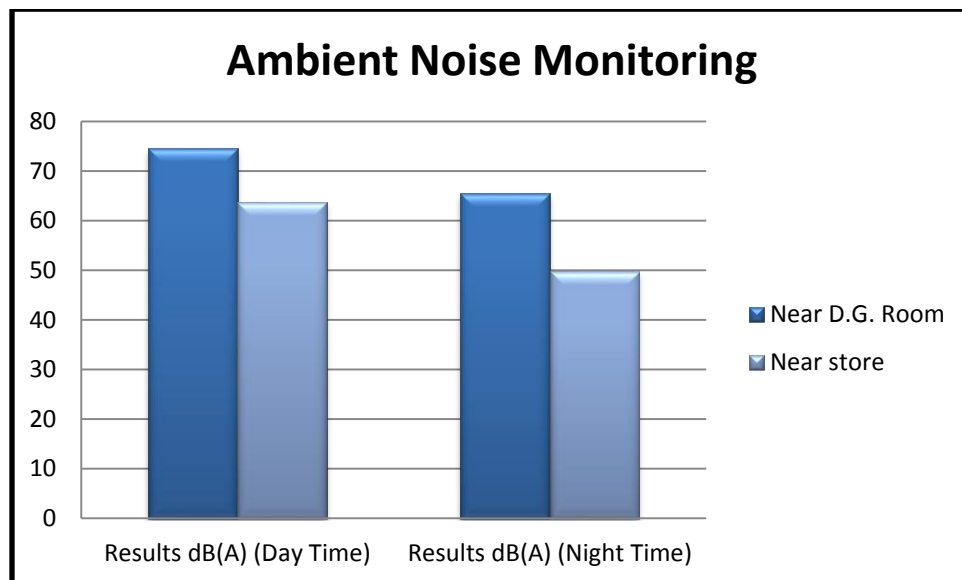
ii. E.T.P Outlet

Parameters	Results	Limit
pH value	6.89	5.5-9.0
Total Suspended Solids	30.0	100.0
Oil & Grease	54.0	10.0
Chemical Oxygen Demand	80.0	250.0
BOD [3 days, 27°C] (mg./l)	26.0	30.0

5. Ambient Noise Monitoring

On 26th September, 2022 Noise sampling has been carried out

Location	Results dB(A) (Day Time)	Results dB(A) (Night Time)
Near D.G. Room	74.53	65.47
Near store	63.76	49.76





कर्मचारी राज्य बीमा निगम
Employees' State Insurance Corporation
(Ministry of Labour and Employment, Government of India)

Annexure - 6

[English / हिंदी](#)



श्रम एवं रोजगार मंत्रालय
Ministry of Labour & Employment
भारत सरकार (Government of India)

e-Challan Payment

Required Fields

Employer Code *

40000460440000906

Transaction Details

* Required Fields

Transaction status:

Transaction Completed Successfully

Employer's Code No:

40000460440000906

Employer's Name:

SUBHAM OILS AND RESINS PRIVATE LIMITED

Challan Period:

Sep-2022

Challan Number :

04022133238103

Challan Created Date

10-10-2022 14:55:05

Challan Submitted Date

12-10-2022 17:27:30

Amount Paid:

₹039.00

Transaction Number:

FT210120351958

Print

Close

IP Address :



**COMBINED CHALLAN OF A/C NO. 01, 02, 10, 21 & 22 (With
EMPLOYEES' PROVIDENT FUND ORGANISATION)**

TRRN 4712210002047

ECR Id 79331860

LIN :1226592526

Establishment Code & Name WBTLO1639421000 SUBHAM OILS & RESINS PRIVATE LIMITED

Dues for the wage month of September2022

Address : NAVARANDA, SURYAPUR, KOLKATA, NORTH TWENTY FOUR PARGANAS, WEST BENGAL

Total Subscribers :	EPF 10	EPS 9	EDLI 10
Total Wages :	1,01,833	91,168	1,01,608

SL.	PARTICULARS	A/C.01 (Rs.)	A/C.02 (Rs.)	A/C.10 (Rs.)	A/C.21 (Rs.)	A/C.22 (Rs.)	TOTAL
1	Administration Charges	0	509	0	0	0	509
2	Employer's Share Of	4,624	0	7,596	508	0	12,728
3	Employee's Share Of	12,220	0	0	0	0	12,220
Grand Total : Twenty-Five Thousand Four Hundred Fifty-Seven Rupees Only							25,457

(This is a system generated challan on 10-OCT-2022 14:46, the particulars shown in this challan are populated from the Electronic Challan Cum Return (ECR) uploaded by the establishment for the specified month and year.

Note :- The following amounts are being remitted directly by Government of India on account of PMRPY / ABRY.

	PMRPY	ABRY
A) A/C no 1 (Employer share) (Rs.) -	0	0
B) A/C no 10 (Pension fund) (Rs.) -	0	0
C) A/C no 1 (Employee share) (Rs.) -	0	0
D) Total (A + B + C) (Rs.) -	0	0
E) Total remittance by Employer (Rs.) -	25,457	
F) Total amount of uploaded ECR (D + E) (	25,457	





Employees' State Insurance Corporation

Contribution History Of 40000460440000906 for Sep2022

Total IP Contribution		Total Employer Contribution	Total Contribution	Total Government Contribution		Total Monthly Wages	
1,135.00		4,904.00	6,039.00	0.00		150,882.00	
SNo.	Is Disable	IP Number	IP Name	No. Of Days	Total Wages	IP Contribution	Reason
1	-	4020795912	KESHAB SEN	30	12500.00	94.00	-
2	-	4020845909	RANJAN SWARNAKR	30	15417.00	116.00	-
3	-	4020545828	CHATTU GUHA	28	13767.00	104.00	-
4	-	4020831013	CHANDAN GHARA	29	17956.00	135.00	-
5	-	4020614122	SUBRATA GANGULY	28	18667.00	140.00	-
6	-	4109714598	ARVINDA KUMAR UPADHYAY	30	19000.00	143.00	-
7	-	4020871682	PRASANTA HALDER	30	19375.00	146.00	-
8	-	3811343695	ANANDA MANIK	28	16800.00	126.00	-
9	-	4020975817	KAYES KUMAR PRASAD	29	17400.00	131.00	-

2:54:58PM

ভারতে সর্বাধিক প্রচারিত প্রথম শ্রেণির বাংলা দৈনিক

আনন্দবাজার পত্রিকা

আনন্দবাজার পত্রিকা ও এবেলা-র কথো অফার: ৫ টাকা

‘জৈ
পনের ড
জিৎ- ৫

The Telegraph

CALCUTTA TUESDAY 16 APRIL 2013 Rs 3.00

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to expand in Kol
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file Male/Female this Hu-
mid Season 9331164048/
9339539049/ 9330797577
788228

notice

It is for information
that Subham Oils and
Resins Private Limited is
being accorded Environ-
mental Clearance from
MOEF, Govt. of India vide
F. No. J-11011/351/2010-
LA II (I), dtd. 22.03.2013 for
production of Alkyd
Resin (1500 TPA) at
Village- Suripur, Tehsil
Barackpore, Dist. North
24Pgs, West Bengal. More
information available
with WB.P.C.B. &
M.O.E.F. Web site of :
<http://envfoic.in>
788241

change of name

I under sign Tahamina
Begum declare that Tahi-
mina Gajali in my school
certificate and Taimina
Gajali in my sons birth
certificate are the one &
same person. This is by
deed at Sealdah court
South 24 Pargana on 9th
April 2013.
787838

Know all by virtue of an
affidavit sworn on
25.04.2013 before the Ld.
Executive Magistrate at
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Mandal (Sri Binakar
Mandal).
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of the country
awarded by
Chairman of AICTE
year 2012

F. No. J-11011/551/2010-IA-II (I)
Government of India
Ministry of Environment and Forests
(I.A. Division)

Paryavaran Bhawan
CGO Complex, Lodhi Road
New Delhi - 110 003

E-mail: r.sundar@nic.in
Telefax: 011: 2436 6739
Dated: 22nd March, 2013

To,

Shri Sujit Kumar Modi
M/s Subham Oils Resins Private Limited
183, Bngur Avenue, Block B,
Kolkata - 700 055, West Bengal

E-mail: sjitmotdi@yahoo.co.in; pscpl.env@gmail.com

Sub: Alkyd Manufacturing Unit (1,500 TPA) at J.L. No. 15, Plot No. 650/780, 635/781, 636/861, Village Surjpur, Tehsil Barackpore, District North 24 Parganas, West Bengal by M/s Subham Oils Resins Pvt. Ltd. - regarding Environmental Clearance

Sir,

This has reference to your letter no. Nil dated 30.7.2012 along with copies of EIA/EMP and public hearing reports seeking environment clearance under the provisions of EIA Notification, 2006.

2. The Ministry of Environment and Forests has examined the application for the above project. It is noted that M/s Subham Oils Resins Private Limited have proposed for setting up of Alkyd Manufacturing Unit (1,500 TPA/42.5 MTPM) at J. L. No. 15, Plot No. 650/780, 635/781, 636/861, Village Surjpur, Tehsil Barackpore, District North 24 Parganas, West Bengal. The existing unit did not require Environmental Clearance and the Alkyd Resin unit is proposed in the same premises. Plot area is 2,711 m² and green belt will be developed in 895 m². River Hooghly flows at a distance of 5 Km. No National park/ wildlife sanctuary / Reserve Forests are located within 10 Km. Project cost is Rs. 1.65 Crores. Rs. 17.0 Lakhs and Rs. 2.05 Lakhs are earmarked towards capital cost and recurring cost / annum for pollution control measures.

3. Penta Erythritol, Pthalic Anhydride, Dry Oils, Rosin, Glycerine and Malic Anhydride, will be used as raw materials. Power requirement from West Bengal State Electricity Distribution Company Limited will be 22.5 KW. DG set (65 KVA) will be installed.

4. It is noted that Furnace Oil fired thermic fluid heater will be installed and adequate height of stack will be provided for dispersion of pollutants. Stack (3.5 m) above the roof top will be provided to DG set.

5. Total ground water requirement will be 0.4 m³/day. Effluent from process will be treated in Effluent Treatment Plant (ETP). The treated effluent will be stored and reused in the plant for gardening and sprinkler system.

6. It is noted that sludge from ETP will be given to Ramky, Haldia, West Bengal for disposal as per Hazardous waste Management Rules.

7. All the Resin manufacturing plants located outside notified industrial area are listed at S.No. 5(f) under Category 'A' of the Schedule of EIA Notification, 2006 and appraised by the Expert Appraisal Committee (Industry) of MoEF.

8. The proposal was considered by the Reconstituted Expert Appraisal Committee (Industry) in its 3rd meeting held during 3-5th December, 2012. The Committee recommended the proposal for environmental clearance subject to stipulation of specific conditions along with other environmental conditions. Public Hearing / Public Consultation meeting was conducted by the West Bengal Pollution Control Board on 30.1.2012.

9. Based on the information submitted by you, presentation made by you, your consultant, M/s Pacific Scientific Consultancy Pvt. Ltd., Kolkata, the Ministry of Environment and Forests hereby accords environmental clearance to the above project under the provisions of EIA Notification dated 14th September 2006 subject to strict compliance of the following Specific and General conditions:

A. SPECIFIC CONDITIONS :

- i. Regular monitoring of Volatile Organic Compounds (VOCs) should be carried out.
- ii. Stack of adequate height should be installed to oil fired boiler to disperse waste gases into atmosphere.
- iii. Fugitive emissions in the work zone environment, product, raw materials storage area etc. should be regularly monitored. The emissions should conform to the limits imposed by SPCB.
- iv. Wet scrubber should be provided to control process emissions. Methanol should be recovered from the process area.
- v. Total water requirement should not exceed 0.4 m³/day and prior permission shall be obtained from the concerned Authority.
- vi. As proposed, Industrial effluent shall be treated in ETP. Treated effluent should be reused/recycled within the factory premises. Water quality of treated effluent shall meet the norms prescribed by CPCB/SPCB. As proposed Phenol should be extracted/treated from the effluent before sending to the ETP.
- vii. The company should obtain Authorization for collection, storage and disposal of hazardous waste under the Hazardous Waste (Management, Handling and Trans-Boundary Movement) Rules, 2008 and amended as on date for management of Hazardous wastes and prior permission from SPCB should be obtained for disposal of solid / hazardous waste in the TSDF. Measures should be taken for firefighting facilities in case of emergency.
- viii. Solvent management should be as follows :
 - Reactor should be connected to chilled brine condenser system
 - Reactor and solvent handling pump should have mechanical seals to prevent leakages.

- The condensers should be provided with sufficient Heat Transfer Area (HTA) and residence time so as to achieve more than 95% recovery.
 - Solvents should be stored in a separate space specified with all safety measures.
 - Proper earthing should be provided in all the electrical equipments wherever solvent handling is done.
 - Entire plant where solvents are used should be flame proof. The solvent storage tanks should be provided with breather valve to prevent losses.
- ix. As proposed, green belt should be developed in at least 33 % of the project area. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.
- x. Occupational health surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act.
- xi. All the commitments made to the public during the Public Hearing/Public Consultation meeting held on 30.1.2012 shall be satisfactorily implemented and a separate budget for implementing the same shall be allocated and information submitted to the Ministry's Regional Office at Bhubaneswar.
- xii. The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

B. GENERAL CONDITIONS:

- i. Ambient air quality data should be collected as per NAAQS standards notified by the Ministry on 16th September, 2009.
- ii. The project authorities must strictly adhere to the stipulations made by the West Bengal Pollution Control Board and the State Government.
- iii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.
- iv. At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM₁₀, SO₂ and NO_x are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Bhubaneswar and the SPCB/CPCB once in six months.
- v. Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.
- vi. The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient

noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).

- vii. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- viii. The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.
- ix. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.
- x. Requisite funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Bhubaneswar. The funds so provided shall not be diverted for any other purpose.
- xi. A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.
- xii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF at Bhubaneswar. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM₁₀, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- xiii. The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Bhubaneswar/ CPCB / SPCB shall monitor the stipulated conditions.
- xiv. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent 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 conditions and shall also be sent to the respective Regional Office of the MOEF at Bhubaneswar by e-mail.
- xv. 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 and may also be seen at Website of the Ministry of

Environment and Forests 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 should be forwarded to the Regional office at Bhubaneswar.

- xvi. 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 commencing the land development work.
10. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
11. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
12. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public (Insurance) Liability Act, 1991 along with their amendments and rules.
13. This issues with the prior approval of the Competent Authority.

(Sundar Ramanathan)
Deputy Director(S)

Copy to:-

1. The Secretary, Department of Environment, Govt. of West Bengal.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi, 110 032.
3. The Chairman, West Bengal Pollution Control Board, Paribesh Bhawan, Bldg. No. 10-A, Block- LA, Sector 3, Salt Lake City, Kolkata – 700 091
4. The Chief Conservator of Forests, Regional Office (EZ), Ministry of Environment & Forests, A/3, Chandesekharpur, Bhubaneswar – 751023.
5. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
6. Guard File / Record File/Monitoring file.


(Sundar Ramanathan)
Deputy Director(S)



ORANGE CATEGORY

Renewal Consent to be applied
before 120 days of validity Period

Annexure - 8

WEST BENGAL POLLUTION CONTROL BOARD

Barrackpore Regional Office, 24 Park Road, Barrackpore, Kolkata - 700 106
(Orange/ ~~Green~~ Category Unit)

C0132734

Application no. 1312420

Memo Number: 1438 /NC/15/WPB/BR/1060/09

Date: 27/12/2021

Consent to Operate under Section 25 & 26 of the Water (Prevention and Control of Pollution) Act, 1974,
and Section 21 of the Air (Prevention and Control of Pollution) Act, 1981.The West Bengal Pollution Control Board (hereinafter referred to as State Board) under the provisions of
Section 25 & 26 of the Water (Prevention and Control of Pollution) Act, 1974 as amended and Section 21 of the
Air (Prevention and Control of Pollution) Act, 1981 as amended, and Rules and Orders made thereunder hereby
grants its Consent to:M/s. **Subham Oils & Resins Pvt. Ltd.,**(hereinafter referred to as Applicant) for its unit located at **Vill: Iswaripur, P.O: Surjyapur,
P.S: Titagarh, Kolkata - 700121.**

(Detailed address of the manufacturing unit)

for a period from **the date of 31/12/2026** to operate the industrial unit and to discharge liquid
effluent and to emit gaseous effluent from the premises/land of the industrial unit in accordance with the condi-
tions as mentioned below provided on any day at any instance the quantity and quality of liquid discharge and
gaseous emission shall not exceed the permissible limit as specified in this consent letter and as specified in the
Environmental (Protection) Act, 1986.Breach of the conditions and/or failure to comply with the directions as mentioned below shall render the
applicant liable for prosecution under the provisions of the Water (Prevention and Control of Pollution) Act, 1974
and Air (Prevention and Control of Pollution) Act, 1981.The State Board reserve the right to revoke, withdraw or make any reasonable variation/change/alter the
conditions of this consent letter giving one month's notice to the applicant.**Conditions:**

01. This Consent is valid for the manufacture of

Sl. No.	Name of major products and by-products	Quantity produced per month	Sl. No.	Name of major products and by-products	Quantity produced per month
01.	Alkyd Resins	100 MT/month	02.	--	--

02. The Applicant shall observe the following fuel consumption pattern:

Sl. No.	Type of fuel	Quantity per day	Sl. No.	Type of fuel	Quantity per day	Sl. No.	Type of fuel	Quantity per day
01.	HSD	20 ltrs/day	02.	--	--	03.	--	--

03. The Applicant falls in the **Orange** category of the Water
(Prevention and Control of Pollution) Cess Act, 1974 and Rules made thereunder and shall comply with the
provisions of said Act, and Rules and regularly submit to the Board the Returns of Water consumption in the
prescribed form and pay the Cess as specified under Section 3 of the said Act.

04. Daily water consumption for the following purposes should not exceed.

Industrial cooling, spraying in mine pits and boiler feed water (water used for gardening should be included in this category of use)	Domestic purpose	Processing whereby water gets polluted and the pollutants are easily biodegradable	Processing whereby water gets polluted and the pollutants are not easily biodegradable
0.05 KL	0.3 KL	--	--

05. Daily discharge of effluent shall not exceed

	Industrial liquid effluent	Domestic liquid effluent	Mixed (industrial & domestic) liquid effluent
No. of outfalls	01	01	--
Quantity	0.04 KL	0.25 KL	-- KL
Place of discharge	Through ETP	Septic Tank	--

06. The Applicant shall provide drainage system for conveying industrial & domestic liquid waste & separate
drainage system for storm-water and shall provide comprehensive treatment facility for industrial and domestic
liquid waste (sewage, sullage & liquid effluent generated from canteen) and operate and maintain the same to
conform to the Standard for final effluent as given below.

Outlet No.	Nature of effluent	Parameters and standard (in mg/l. max)							Frequency of effluent sampling
1&2	Industrial & Domestic	pH 5.5 to 9.0	BOD 30	COD 250	TSS 100	O & G 10	--	--	Yearly

(2)

07. This Applicant shall provide comprehensive pollution control equipment and operate and maintain the same continuously to conform the quality of the final gaseous emission to the Standard as given below :

Stack No.	Stack height from G.L. (in mts.)	Stack attached to (sources and control system, if any)	Volume Nm ³ /hr	Velocity of gaseous emission (mg/sec)	Concentrations of parameters not to exceed				Frequency of sampling
					SPM (mg./Nm ³)	CO (% v/v)			
S-1	30	02x400000 kcal/hr T.F.H			150	1%	-	-	Yearly
S-2	30	02 nos. Reaction kettle (10 Ton/batch)			150	1%	-	-	-do-
S-3									
S-4	08	01x5 KVA D.G. Set		-	150	1%	-	-	-do-

08. The Applicant shall maintain the generation and treatment/disposal of non-hazardous solid waste as specified below.

Type of waste	Quantity	Treatment	Disposal
Sludge	2.50 kg/day	-	to be disposed of as per hazardous and other wastes (Management & Transboundary)

09. The Applicant shall take adequate measures for control of noise levels from its own sources within its premises to conform to Management Rules, 2016.

Time	Limit in dB (A) L _{eq}	Time	Limit in dB (A) L _{eq}
Day time (06 a.m. to 10 p.m.)	65	Night Time (10 p.m. to 06 a.m.)	55

10. The Applicant shall remain responsible for quantity and quality of liquid effluent and air emissions and shall furnish to the State Board all information in respect of quality, quantity, rate of discharge, place of discharge of liquid effluent and air emissions.

11. The Applicant shall at all times maintain good house-keeping, proper working order, control pollution (including fugitive emissions) from all sources to maintain clean environment in & around factory premises and to surrounding areas/inhabitants.

12. The Applicant shall bring about at least 33% of the available open land under the green coverage/ plantation.

13. The Applicant shall provide for sufficient alternate electric power source to operate all pollution control facilities. In absence of such alternate power source, the production should be stopped/reduced/controlled to conform the conditions of the Consent.

14. All the stacks connected to various sources of emissions must be painted/displayed to designate by numbers such as S-1, S-2 etc. and shall have ports, ladder, platform etc. for monitoring/sampling the air emissions and the same shall be made available for inspection and use by the State Board's staff as well as State Board's authorised agencies.

15. The Applicant shall install a separate energy meter showing the consumption of energy for operation of pollution control devices and shall install suitable device for measuring the volume of water consumed for different purposes as mentioned above giving correct result to the satisfaction of the State Board.

16. The Applicant shall allow the Officers of the State Board to enter into the premises of the unit at any reasonable time to inspect the pollution control systems and shall provide adequate and safe facility for collection of air, wastewater and solid waste samples for monitoring and measuring by the State Board's staff as well as State Board's authorised agencies.

17. The Applicant shall maintain an Inspection Book in the factory premises which shall be made available to inspecting officers of the State Board for inspection, review and to write down any direction or observation as is deemed necessary during the inspection.

18. The Applicant shall intimate to the State Board immediately of any occurrence or apprehension of occurrence of discharge of any pollutants in excess of quality and quantity as mentioned above to any receiving water body/system or to atmosphere owing to accident or other unforeseen incident/event including natural disaster and the Applicant shall take adequate steps to prevent such accidental event.

19. The Applicant shall apply for renewal of consent to State Board in prescribed form 60 (sixty) days before expiry of this Consent.

20. The Applicant shall not make any alteration/modification/expansion in the existing manufacturing process and equipment, pollution control system and shall not bring into any altered or new outlet/outfall or stack or change the place of discharge, without prior approval of the Board.

21. The Applicant shall comply with the conditions as laid down in the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989, Hazardous Wastes (Management & Handling) Rules, 1989 and 'Public

Additional Conditions: 22) Consent to operate shall be revoked on receipt of valid Public complaint against the unit for causing environmental hazards.

For and on behalf of the Board

(Member Secretary/Chief Eng./Sr. Engr./Env. Engr./Asst. Engr./Engr. in Charge)

Environmental Engineer
W.R. Pollution Control Board



WEST BENGAL POLLUTION CONTROL BOARD

'Paribesh Bhawan' Bldg. No. 10A, Block-LA, Sector-III, Salt Lake City, Kolkata - 700 098

C079295 (Orange/Green Category Unit)



Memo Number: 43-NC/15/WPB/BR/1060/09

Date: 11/2/2022

Consent to Operate under Section 25 & 26 of the Water (Prevention and Control of Pollution) Act, 1974, and Section 21 of the Air (Prevention and Control of Pollution) Act, 1981.

The West Bengal Pollution Control Board (hereinafter referred to as State Board) under the provisions of Section 25 & 26 of the Water (Prevention and Control of Pollution) Act, 1974 as amended and Section 21 of the Air (Prevention and Control of Pollution) Act, 1981 as amended, and Rules and Orders made thereunder hereby grants its Consent to:

M/s. Subham Oils & Resins Pvt. Ltd.

(hereinafter referred to as Applicant) for its unit located at Vill: Iswaripur, P.O. - Surjyapur, P.S. - Titagarh, Dist- 24 Pgs (N), Pin- 700121

(Detailed address of the manufacturing unit)

for a period from Date of issue to 30/09/2025 to operate the industrial unit and to discharge liquid effluent and to emit gaseous effluent from the premises/land of the industrial unit in accordance with the conditions as mentioned below provided on any day at any instance the quantity and quality of liquid discharge and gaseous emission shall not exceed the permissible limit as specified in this consent letter and as specified in the Environmental (Protection) Act, 1986.

Breach of the conditions and/or failure to comply with the directions as mentioned below shall render the applicant liable for prosecution under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981.

The State Board reserve the right to revoke, withdraw or make any reasonable variation/change/alter the conditions of this consent letter giving one month's notice to the applicant.

Conditions:

01. This Consent is valid for the manufacture of

Resin & allied chemicals products (Details in Annexure-I)

Sl. No.	Name of major products and by-products	Quantity produced per month	Sl. No.	Name of major products and by-products	Quantity produced per month
01.	—	—	03.	—	—
02.	—	—	04.	—	—

02. The Applicant shall observe the following fuel consumption pattern.

Sl. No.	Type of fuel	Quantity per day	Sl. No.	Type of fuel	Quantity per day	Sl. No.	Type of fuel	Quantity per day
01.	HSD	70 Lt/day	02.	—	—	03.	—	—

03. The Applicant falls in the Orange category of the Water (Prevention and Control of Pollution) Cess Act, 1977 and Rules made thereunder and shall comply with the provisions of said Act. and Rules and regularly submit to the Board the Returns of Water consumption in the prescribed form and pay the Cess as specified under Section 3 of the said Act.

04. Daily water consumption for the following purposes should not exceed.

Industrial cooling, spraying in mine pits and boiler feed water (water used for gardening should be included in this category of use)	Domestic purpose	Processing whereby water gets polluted and the pollutants are easily biodegradable	Processing whereby water gets polluted and the pollutants are not easily biodegradable
3 KL	0.5 KL	—	—

05. Daily discharge of effluent shall not exceed

	Industrial liquid effluent	Domestic liquid effluent	Mixed (industrial & domestic) liquid effluent
No. of outfalls	1	1	—
Quantity	0.350 KL	0.4 KL	— KL
Place of discharge	recycled after treatment in ETP	Gnam Panchayet Drain	—

06. The Applicant shall provide drainage system for conveying industrial & domestic liquid waste & separate drainage system for storm-water and shall provide comprehensive treatment facility for industrial and domestic liquid waste (sewage, sullage & liquid effluent generated from canteen) and operate and maintain the same to conform to the Standard for final effluent as given below.

Outlet No.	Nature of effluent	Parameters and standard (in mg/l. max)							Frequency of effluent sampling
		pH	BOD	COD	TSS	O & G	Phenolic compound	—	
01	Domestic	5.5 to 9.0	30	250	100	10	1	—	Yearly

07. This Applicant shall provide comprehensive pollution control equipment and operate and maintain the same continuously to conform the quality of the final gaseous emission to the Standard as given below :

Stack No.	Stack height from G.L. (in mts.)	Stack attached to (sources and control system, if any)	Volume Nm ³ /hr	Velocity of gaseous emission (mg/sec)	Concentrations of parameters not to exceed				Frequency of sampling
					SPM (mg./Nm ³)	CO (% v/v)			
S-1	7.0	01 X 125 KVA D.G. Set	—	—	150	1	—	—	Yearly
S-2	7.0	01 X 250 KVA D.G. Set	—	—	150	1	—	—	Yearly
S-3	30	01 X 600000 kcal/hr	—	—	150	1	—	—	Yearly
S-4		thermic fluid heater							

08. The Applicant shall maintain the generation and treatment/disposal of non-hazardous solid waste as specified below.

Type of waste	Quantity	Treatment	Disposal
Sludge	100 kg/Month	—	to be disposed off to WBWML, Haldia.

09. The Applicant shall take adequate measures for control of noise levels from its own sources within its premises to conform to

Time	Limit in dB (A) L _{eq}	Time	Limit in dB (A) L _{eq}
Day time (06 a.m. to 10 p.m.)	65	Night Time (10 p.m. to 06 a.m.)	55

10. The Applicant shall remain responsible for quantity and quality of liquid effluent and air emissions and shall furnish to the State Board all information in respect of quality, quantity, rate of discharge, place of discharge of liquid effluent and air emissions.

11. The Applicant shall at all times maintain good house-keeping, proper working order, control pollution (including fugitive emissions) from all sources to maintain clean environment in & around factory premises and to surrounding areas/inhabitants.

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13. The Applicant shall provide for sufficient alternate electric power source to operate all pollution control facilities. In absence of such alternate power source, the production should be stopped/reduced/controlled to conform the conditions of the Consent.

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15. The Applicant shall install a separate energy meter showing the consumption of energy for operation of pollution control devices and shall install suitable device for measuring the volume of water consumed for different purposes as mentioned above giving correct result to the satisfaction of the State Board.

16. The Applicant shall allow the Officers of the State Board to enter into the premises of the unit at any reasonable time to inspect the pollution control systems and shall provide adequate and safe facility for collection of air, wastewater and solid waste samples for monitoring and measuring by the State Board's staff as well as State Board's authorised agencies.

17. The Applicant shall maintain an Inspection Book in the factory premises which shall be made available to inspecting officers of the State Board for inspection, review and to write down any direction or observation as is deemed necessary during the inspection.

18. The Applicant shall intimate to the State Board immediately of any occurrence or apprehension of occurrence of discharge of any pollutants in excess of quality and quantity as mentioned above to any receiving water body/system or to atmosphere owing to accident or other unforeseen incident/event including natural disaster and the Applicant shall take adequate steps to prevent such accidental event.

19. The Applicant shall apply for renewal of consent to State Board in prescribed form 60 (sixty) days before expiry of this Consent.

20. The Applicant shall not make any alteration/modification/expansion in the existing manufacturing process and equipment, pollution control system and shall not bring into any altered or new outlet/outfall or stack or change the place of discharge, without prior approval of the Board.

21. The Applicant shall comply with the conditions as laid down in the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989, Hazardous Wastes (Management & Handling) Rules, 1989 and Public Liability insurance Act, 1991.

Additional Conditions : See Annexure - II

For and on behalf of the Board



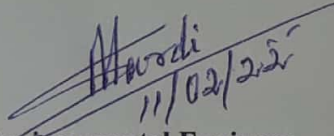
(Member Secretary/Chief Engr./Sr. Env. Engr./Asst. Engr./Jr. Scientist)
W. B. Pollution Control Board
Operation & Execution Cell

Products List (Annexure- I)

Annexure to Consent Letter Number – CO79295

Additional Conditions issued to M/s. Subham Oils & Resins Pvt. Ltd. located at existing factory premises – Iswaripur, P.O-Surjopur, P.S-Titagarh, Dist- 24 Parganas(N), Pin -700121

Sl. No.	Products	Production capacity (TPA)
1.	Alkyd resin	4800
2.	Maleic resin	600
3.	Phenolic resin	300
4.	CNSL resin	920
5.	Acrylic resin	900
6.	Easter resin	300
7.	Polyamide resin	300
8.	Epoxy resin	380
9.	Acrylic emulsion	2400
10.	Pine & turpentine allied products	200
	Total	11100

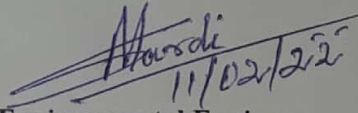

11/02/2021
Sr. Environmental Engineer
West Bengal Pollution Control Board

Sr. Environmental Engineer
W. B. Pollution Control Board
Operation & Execution Cell

Annexure-II to Consent Letter Number – CO79295.

Additional Conditions issued to **M/s. Subham Oils & Resins Pvt. Ltd.** located at existing factory premises – Iswaripur, P.O-Surjopur, P.S-Titagarh, Dist- 24 Parganas(N), Pin -700121

1. The unit shall abide by all other condition as mentioned in Environmental Clearance (EC) issued vide no. 1951/EN/T-II-1/042/2015 dated 05.09.2016 and NOC (CO79295) issued vide memo no.03-2N-14/2011 (E) dated 02.01.2019 in favour of the expansion project.
2. The unit should obtain all the statutory licenses as applicable from other concerned Govt. Department.
3. This consent may be revoked at any time on violation of environmental norms.
4. The unit shall submit a status of compliance of the conditions stipulated in EC.
5. This consent to Operate is for manufacturing of different types of resins and allied chemical products-11,100 MT/annum.


11/02/22
Sr. Environmental Engineer
West Bengal Pollution Control Board

Sr. Environmental Engineer
W. B. Pollution Control Board
Operation & Execution Cell

PICTORIAL EVIDENCE

AMBIENT AIR QUALITY MONITORING



STACK GAS MONITORING



NOISE MONITORING



WORKZONE MONITORING



WATER MONITORING

