

SIX MONTHLY COMPLIANCE REPORT

PERIOD: OCTOBER 2021 TO MARCH 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 October 2021 to March 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: October 2021 to March 2022

A. SPECIFIC CONDITIONS:

SI.	COMPLIANCE CONDITIONS	:	COMPLIANCE STATUS
i.	Regular monitoring of Volatile Organic Compounds (VOCs) should be carried out.		Monitoring has been carried out inside the factory premises of VOCs 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.	:	The height of stack with the boiler is 100 feet to carry the flue gas due to combustion of H.S.D. in it. 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.	:	Monitoring of fugitive emission in the work zone environment, product and raw materials storage area are done twice a year and found satisfactory. 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.	:	To control the fumes during charging of chemicals Wet Scrubber is provided with the kettles. 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.		There is no use of any water in the 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. is 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.		The company has obtained hazardous waste authorization for collection, storage and disposal of 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.

SI.	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 are done on a regular basis. Necessary medical checkup is done in ESI hospitals as all the workers are covered under ESI scheme. 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.		During the construction work the necessary infrastructure for the workers was provided. Necessary drinking water, medical facilities and other amenities were provided to worker. In the expansion unit, after completion of the project the temporary structure of labour hutment will be removed.

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.		As per NAAQS standards notified by MOEF AAQ monitoring is done in every six month. The AAQ Monitoring has been done on 15.02.2022. 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.		Further expansion or modification in the plant will not be 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.

SI.	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.		All employees are covered under State Employees Insurance. Occupational health surveillance of the workers is done on a regular basis as per requirement.
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.		The Project Proponent has installed rain water harvesting system. In the plan recharging of ground water is not considered.

SI.	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, the unit is implementing of the environmental protection measures and safeguards. 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.		Requisite 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 copy of clearance 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, SO2, NOx (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 .

Annexure – 1



ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
Accredited by NABL (ISO/IEC 17025:2017)
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



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	:	15.02.2022
			Period of Analysis	:	17.02.2022 – 17.02.2022
			Date of Issue	:	19.02.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Stack Emission
Sample ID No.	:	374/EC/M/Feb./A/III	Report No.	:	374/EC/M/Feb./TR(A)/III/21-22

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Reaction Kettle (Over Hood)
Shape of Stack	:	Circular
Materials of Construction	:	M.S.
Capacity	:	10 MT/Batch
Emission Due to	:	Process Activity
Fuel Used	:	N.A.
Working Fuel Consumption	:	Nil
Pollution Control Device	:	Wet Scrubber with Activated Carbon Bed Scrubber
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.)	:	22.0
Permanent Platform & Ladder	:	Yes

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	: 62.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	: 758.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 8.74	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	: 1971.03	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	: 21.50	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

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889
E-mail : info@envirocheck.in / envirocheck50@gmail.com ■ Website : www.envirocheck.in
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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	: 15.02.2022
		Period of Analysis	: 17.02.2022 – 17.02.2022
		Date of Issue	: 19.02.2022
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Stack Emission
Sample ID No.	: 374/EC/M/Feb./A/I	Report No.	: 374/EC/M/Feb./TR(A)/I/21-22

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Thermic Fluid Heater			
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	:	06,00,000 K-Cal/hr.	Height of sampling port (mtr.) (from G.L.)	:	6.09
Emission Due to	:	Combustion of Wood			
Fuel Used	:	Wood	Permanent Platform & Ladder	:	Yes
Working Fuel Consumption	:	100 kg./hr.			
Pollution Control Device	:	Bag Filter with Mechanical Dust Collector			

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	: 118.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	: 758.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 10.14	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	: 21765.42	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	: 1.2	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	: 69.23	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

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889
E-mail : info@envirocheck.in / envirocheck50@gmail.com ■ Website : www.envirocheck.in
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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	: 15.02.2022
		Period of Analysis	: 17.02.2022 – 17.02.2022
		Date of Issue	: 19.02.2022
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Stack Emission
Sample ID No.	: 374/EC/M/Feb./A/II	Report No.	: 374/EC/M/Feb./TR(A)/II/21-22

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

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

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	: 162.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	: 758.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 12.82	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	: 255.17	N.A.
5.	Concentration of SO ₂	mg/Nm³	IS 11255 (Part 2) 1985 RA 2003	: 26.50	N.A.
6.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	: 9.4	N.A.
7.	Concentration of CO	% (v/v)	IS 13270 1992 RA 2003	: <1.0	1.0
8.	Concentration of Particulate Matter	mg/Nm³	IS 11255 (Part – 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	: 36.48	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

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889
E-mail : info@envirocheck.in / envirocheck50@gmail.com ■ Website : www.envirocheck.in
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Annexure – 2



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TEST REPORT

FORMAT NO : ENV/FM/37

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Address	: Vill. + P.O. – Surjopur, P.S. – Titagarh, Dist. – 24 Pgs.(N) – 700121	Sampling Date	: 15.02.2022 – 16.02.2022
		Period of Analysis	: 17.02.2022 – 17.02.2022
		Date of Issue	: 19.02.2022
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Ambient Air
Sample ID No.	: 374/EC/M/Feb./A/VI	Report No.	: 374/EC/M/Feb./TR(A)/VI/21-22

A] GENERAL INFORMATION

1. Location of Sampling : Back Side of the Plant
2. Duration of Sampling : 24 hrs. (10:30 a.m. – 10:30 a.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 19.0
2. Average Relative Humidity (%) : 54.0
3. Barometric Pressure (mm of Hg) : 758.0
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	50.79	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	83.07	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	8.10	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	28.62	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	0.20	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

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889
E-mail : info@envirocheck.in / envirocheck50@gmail.com ■ Website : www.envirocheck.in
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Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



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	: 15.02.2022 – 16.02.2022
		Period of Analysis	: 17.02.2022 – 17.02.2022
		Date of Issue	: 19.02.2022
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Ambient Air
Sample ID No.	: 374/EC/M/Feb./A/V	Report No.	: 374/EC/M/Feb./TR(A)/V/21-22

A] GENERAL INFORMATION

1. Location of Sampling : East Side of the Village
2. Duration of Sampling : 24 hrs. (11:00 a.m. – 11:00 a.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 19.0
2. Average Relative Humidity (%) : 54.0
3. Barometric Pressure (mm of Hg) : 758.0
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	49.24	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	80.08	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	7.25	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	0.18	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

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889
E-mail : info@envirocheck.in / envirocheck50@gmail.com ■ Website : www.envirocheck.in
Branch Office : Siliguri ■ Haldia ■ Durgapur ■ Dhanbad ■ Gangtok ■ Port Blair ■ Dehradun ■ New Delhi
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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	: 15.02.2022 – 16.02.2022
		Period of Analysis	: 17.02.2022 – 17.02.2022
		Date of Issue	: 19.02.2022
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Ambient Air
Sample ID No.	: 374/EC/M/Feb./A/IV	Report No.	: 374/EC/M/Feb./TR(A)/IV/21-22

A] GENERAL INFORMATION

1. Location of Sampling : Near Main Gate
2. Duration of Sampling : 24 hrs. (10:00 a.m. – 10:00 a.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 20.0
2. Average Relative Humidity (%) : 56.0
3. Barometric Pressure (mm of Hg) : 758.0
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	56.80	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	93.07	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	18.14	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	38.50	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	0.42	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 :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Approved By :

Dr. SUMIT CHOWDHURY
Technical Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889
E-mail : info@envirocheck.in / envirocheck50@gmail.com ■ Website : www.envirocheck.in
Branch Office : Siliguri ■ Haldia ■ Durgapur ■ Dhanbad ■ Gangtok ■ Port Blair ■ Dehradun ■ New Delhi
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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	: 15.02.2022 – 16.02.2022
		Period of Analysis	: 17.02.2022 – 17.02.2022
		Date of Issue	: 19.02.2022
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Ambient Air
Sample ID No.	: 374/EC/M/Feb./A/VII	Report No.	: 374/EC/M/Feb./TR(A)/VII/21-22

A] GENERAL INFORMATION

1. Location of Sampling : Infront of Office
2. Duration of Sampling : 24 hrs. (11:30 a.m. – 11:30 a.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 20.4
2. Average Relative Humidity (%) : 56.6
3. Barometric Pressure (mm of Hg) : 758.0
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	53.80	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	84.10	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	11.10	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	34.50	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	0.26	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	<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

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889
E-mail : info@envirocheck.in / envirocheck50@gmail.com ■ Website : www.envirocheck.in
Branch Office : Siliguri ■ Haldia ■ Durgapur ■ Dhanbad ■ Gangtok ■ Port Blair ■ Dehradun ■ New Delhi
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Annexure – 3



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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	:	15.02.2022
			Period of Analysis	:	17.02.2022 – 17.02.2022
			Date of Issue	:	19.02.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Work Zone
Sample ID No.	:	374/EC/M/Feb./A/VIII	Report No.	:	374/EC/M/Feb./TR(A)/VIII/21-22

A] GENERAL INFORMATION

1. Location of Sampling : Inside the Processing Unit
2. Duration of Sampling : 08 hrs. (10:00 a.m. – 06:00 p.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 24.0
2. Average Relative Humidity (%) : 64.0
3. Barometric Pressure (mm of Hg) : 758.0
4. Smell or Odour : No Remarkable Smell

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of SPM	µg/m ³	NIOSH 0500 : 1994	410.82	5000.0

Remarks : Limit as per The Factory Act – 1949.

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Approved By :

Dr. SUMIT CHOWDHURY
Technical Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889
E-mail : info@envirocheck.in / envirocheck50@gmail.com ■ Website : www.envirocheck.in
Branch Office : Siliguri ■ Haldia ■ Durgapur ■ Dhanbad ■ Gangtok ■ Port Blair ■ Dehradun ■ New Delhi
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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	:	15.02.2022
			Period of Analysis	:	17.02.2022 – 17.02.2022
			Date of Issue	:	19.02.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Work Zone
Sample ID No.	:	374/EC/M/Feb./A/VIII	Report No.	:	374/EC/M/Feb./TR(A)/VIII/21-22

A] GENERAL INFORMATION

1. Location of Sampling : Inside the Processing Unit
2. Duration of Sampling : 08 hrs. (10:00 a.m. – 06:00 p.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 24.0
2. Average Relative Humidity (%) : 64.0
3. Barometric Pressure (mm of Hg) : 758.0
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	11.50	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	31.86	N.A.

Remarks : N.A. means Not Available.

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Approved By :

Dr. SUMIT CHOWDHURY
Technical Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889
E-mail : info@envirocheck.in / envirocheck50@gmail.com ■ Website : www.envirocheck.in
Branch Office : Siliguri ■ Haldia ■ Durgapur ■ Dhanbad ■ Gangtok ■ Port Blair ■ Dehradun ■ New Delhi
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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	:	15.02.2022
			Period of Analysis	:	17.02.2022 – 17.02.2022
			Date of Issue	:	19.02.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Work Zone
Sample ID No.	:	374/EC/M/Feb./A/IX	Report No.	:	374/EC/M/Feb./TR(A)/IX/21-22

A] GENERAL INFORMATION

1. Location of Sampling : Inside the Store
2. Duration of Sampling : 08 hrs. (09:50 a.m. – 05:50 p.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 22.0
2. Average Relative Humidity (%) : 62.0
3. Barometric Pressure (mm of Hg) : 758.0
4. Smell or Odour : No Remarkable Smell

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of SPM	µg/m ³	NIOSH 0500 : 1994	291.50	5000.0

Remarks : Limit as per The Factory Act – 1949.

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Approved By :

Dr. SUMIT CHOWDHURY
Technical Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889
E-mail : info@envirocheck.in / envirocheck50@gmail.com ■ Website : www.envirocheck.in
Branch Office : Siliguri ■ Haldia ■ Durgapur ■ Dhanbad ■ Gangtok ■ Port Blair ■ Dehradun ■ New Delhi
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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	:	15.02.2022
			Period of Analysis	:	17.02.2022 – 17.02.2022
			Date of Issue	:	19.02.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Work Zone
Sample ID No.	:	374/EC/M/Feb./A/IX	Report No.	:	374/EC/M/Feb./TR(A)/IX/21-22

A] GENERAL INFORMATION

1. Location of Sampling : Inside the Store
2. Duration of Sampling : 08 hrs. (09:50 a.m. – 05:50 p.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 22.0
2. Average Relative Humidity (%) : 62.0
3. Barometric Pressure (mm of Hg) : 758.0
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	7.26	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	25.0	N.A.

Remarks : N.A. means Not Available.

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Approved By :

Dr. SUMIT CHOWDHURY
Technical Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889
E-mail : info@envirocheck.in / envirocheck50@gmail.com ■ Website : www.envirocheck.in
Branch Office : Siliguri ■ Haldia ■ Durgapur ■ Dhanbad ■ Gangtok ■ Port Blair ■ Dehradun ■ New Delhi
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Annexure – 4



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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	:	15.02.2022
			Period of Analysis	:	15.02.2022 – 19.02.2022
			Date of Issue	:	21.02.2022
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/1008/Feb./W/M/I
			Report No.	:	ENV/1008/Feb./TR(W)/M/I

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS
1.	pH value	4500 H+B APHA 23 rd Edition, 2017	--	2.05
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	18.50
4.	Chemical Oxygen Demand	5200 COD B/C/D APHA 23 rd Edition, 2017	mg/l	3250.0
5.	Biochemical Oxygen Demand for 3 days at 27°C	5210 BOD B APHA 23 rd Edition, 2017	mg/l	1240.0

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Approved By :

Dr. SUMIT CHOWDHURY
Technical Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889
E-mail : info@envirocheck.in / envirocheck50@gmail.com ■ Website : www.envirocheck.in
Branch Office : Siliguri ■ Haldia ■ Durgapur ■ Dhanbad ■ Gangtok ■ Port Blair ■ Dehradun ■ New Delhi
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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	:	15.02.2022
			Period of Analysis	:	15.02.2022 – 19.02.2022
			Date of Issue	:	21.02.2022
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/1008/Feb./W/M/II
			Report No.	:	ENV/1008/Feb./TR(W)/M/II

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS	LIMIT
1.	pH value	4500 H+B APHA 23 rd Edition, 2017	--	7.19	5.5-9.0
2.	Total Suspended Solids	2540 D APHA 23 rd Edition, 2017	mg/l	45.0	100.0
3.	Oil & Grease	5520 Oil B/D APHA 23 rd Edition, 2017	mg/l	8.50	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
Technical Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889
E-mail : info@envirocheck.in / envirocheck50@gmail.com ■ Website : www.envirocheck.in
Branch Office : Siliguri ■ Haldia ■ Durgapur ■ Dhanbad ■ Gangtok ■ Port Blair ■ Dehradun ■ New Delhi
Overseas : UAE ■ Qatar ■ Netherlands

Annexure – 5



ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
Accredited by NABL (ISO/IEC 17025:2017)
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



Certificate No. TC-6014



FORMAT NO. : ENV/FM/56

TEST REPORT

1.	Name of the Industry	:	Subham Oils & Resins Pvt. Ltd.
2.	Address	:	Vill. - Iswaripur P.O - Surjopur, P.S - Titagarh, District - North 24 Parganas, Pin - 700121
3.	Type of Industry	:	Alkyd & Synthetic Resin Manufacturing Unit
4.	Sampling Plan & Procedure	:	ENV/SOP/01
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	373/EC/M/N
8.	Report ID	:	373/EC/M/TR(N)/21-22
9.	Date of Study	:	15/02/2022
10.	Reporting Date	:	17/02/2022
11.	Method No.	:	IS: 9989 - 1981
12.	Duration of Noise	:	20 Minutes
13.	Height from Ground Level	:	4 feet
14.	Sample Monitoring by	:	Mr. SujoyDasgupta

RESULT OF NOISE LEVEL STUDY

DAY TIME			
1. Location ofStudy		: Near D.G Room	
Time (P.M)	Minimum dB(A)	Maximum dB(A)	Leq dB(A)
12:00 - 12:20	71.8	75.8	74.25
NIGHT TIME			
2. Location ofStudy		: Near D.G Room	
Time (P.M)	Minimum dB(A)	Maximum dB(A)	Leq dB(A)
10:00 - 10:20	61.4	66.8	64.89
DAY TIME			
3. Location ofStudy		: Near Store	
Time (P.M)	Minimum dB(A)	Maximum dB(A)	Leq dB(A)
12:30 - 12:50	60.4	64.2	62.70
NIGHT TIME			
4. Location ofStudy		: Near Store	
Time (P.M)	Minimum dB(A)	Maximum dB(A)	Leq dB(A)
10:30 - 10:50	45.5	51.6	49.54

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 { 033-25792891/25497490, Fax : 033-25299141
Laboratory : 189,190&192 Rastraguru Avenue, Kolkata - 700028 { 033-25792889
Email : info@envirocheck.in/envirocheck50@gmail.com / Website : www.envirocheck.in
Branch Office : ▪ Siliguri ▪ Haldia ▪ Durgapur ▪ Dhanbad ▪ Gangtok ▪ Port Blair ▪ Dehradun ▪ New Delhi
Overseas : ▪ UAE ▪ Qatar ▪ Netherlands



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



** Mean of Leq- Equivalent to Sound Energy		
Limit in Leq dB(A)		
Category Area	Day Time dB(A)	Night Time dB(A)
A. Industrial Area	75	70
B. Commercial Area	65	55
C. Residential Area	55	45
D. Silence Zone	50	40
**Day Time is reckoned in between 6:00 A.M & 10:00 P.M		**Night Time is reckoned in between 10:00 P.M & 6:00 A.M
(Central Pollution Control Board, Ministry of Environment & Forests Government of India) & (Department of Environment, Government of West Bengal)		
PERMISSIBLE NOISE EXPOSURE FOR INDUSTRIAL WORKERS		
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

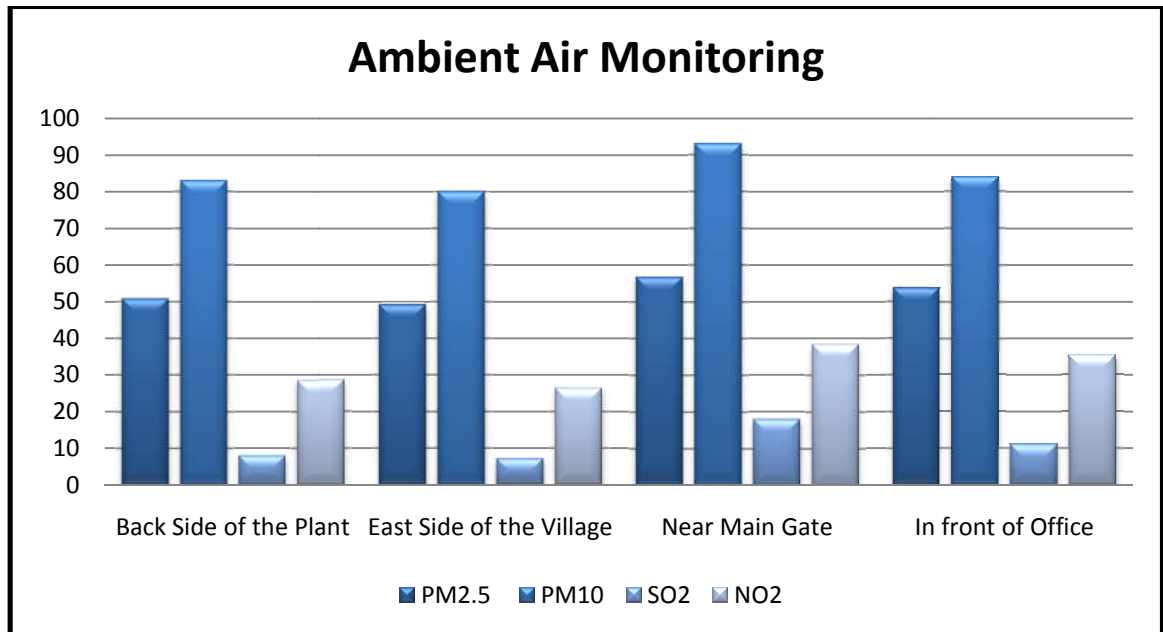
>End of Report<

DATA INTERPRETATION

1. Ambient Air Monitoring

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

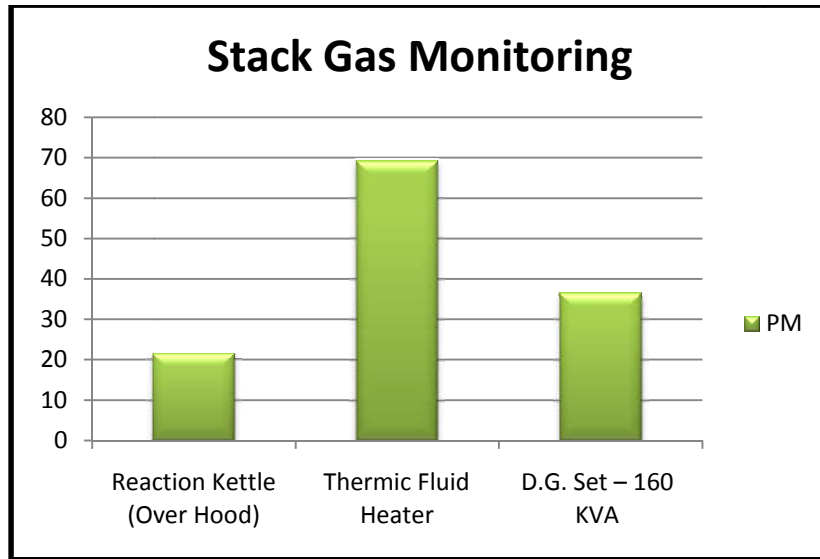
Parameters	Back Side of the Plant	East Side of the Village	Near Main Gate	In front of Office
PM _{2.5} (µg/m ³)	50.79	49.24	56.80	53.80
PM ₁₀ (µg/m ³)	83.07	80.08	93.07	84.10
SO ₂ (µg/m ³)	8.10	7.25	18.14	11.10
NO ₂ (µg/m ³)	28.62	26.50	38.50	34.50



2. Stack Gas Analysis

The sample was taken on 15th February, 2022.

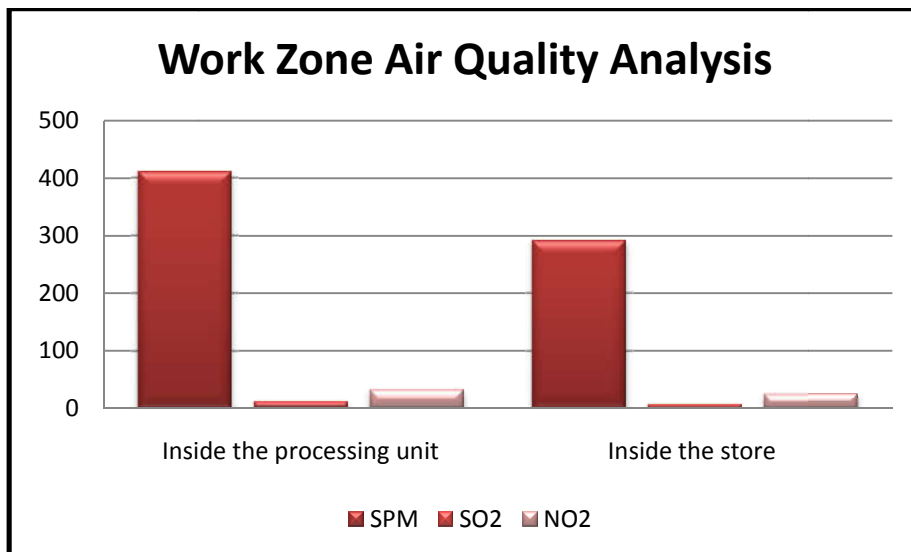
Location Name Parameters	Reaction Kettle (Over Hood)	Thermic Fluid Heater	D.G. Set – 160 KVA
PM (mg/Nm ³)	21.50	69.23	36.48



3. Work Zone Air Quality Analysis

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

Parameters	Inside the Processing Unit	Inside the store
SPM($\mu\text{g}/\text{m}^3$)	410.82	291.50
SO ₂ ($\mu\text{g}/\text{m}^3$)	11.50	7.26
NO ₂ ($\mu\text{g}/\text{m}^3$)	31.86	25.0



4. Effluent Water Quality Monitoring

Effluent water sampling date is 15th February, 2022.

i. E.T.P Inlet

Parameters	Results
pH value	2.05
Total Suspended Solids	120.0
Oil & Grease	18.50
Chemical Oxygen Demand	3250.0
BOD [3 days, 27°C] (mg./l)	1240.0

ii. E.T.P Outlet

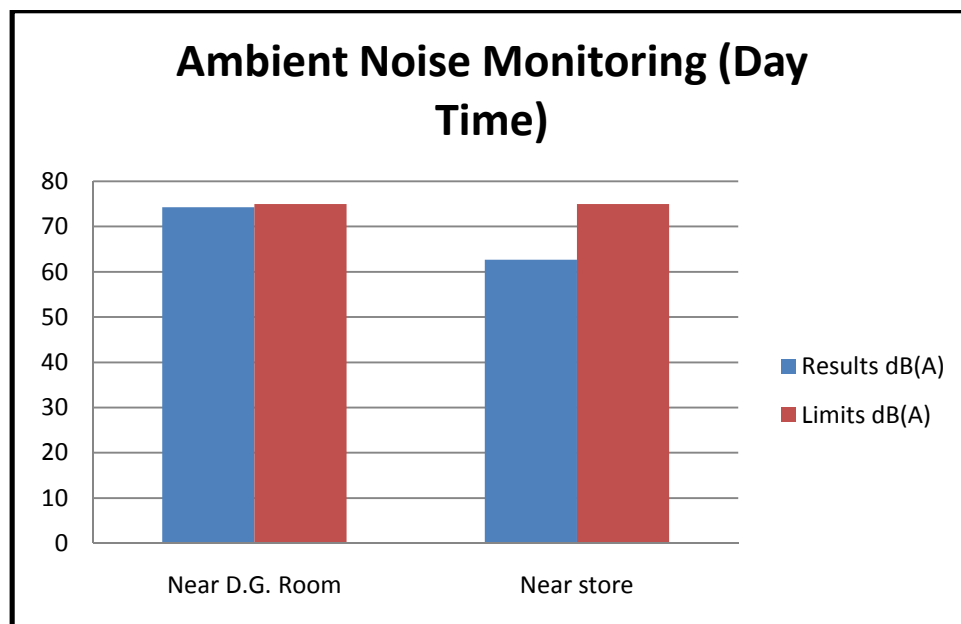
Parameters	Results	Limit
pH value	7.19	5.5-9.0
Total Suspended Solids	45.0	100.0
Oil & Grease	8.50	10.0
Chemical Oxygen Demand	80.0	250.0
BOD [3 days, 27°C] (mg./l)	26.0	30.0

5. Ambient Noise Monitoring

On 15th February, 2022 Noise sampling has been carried out

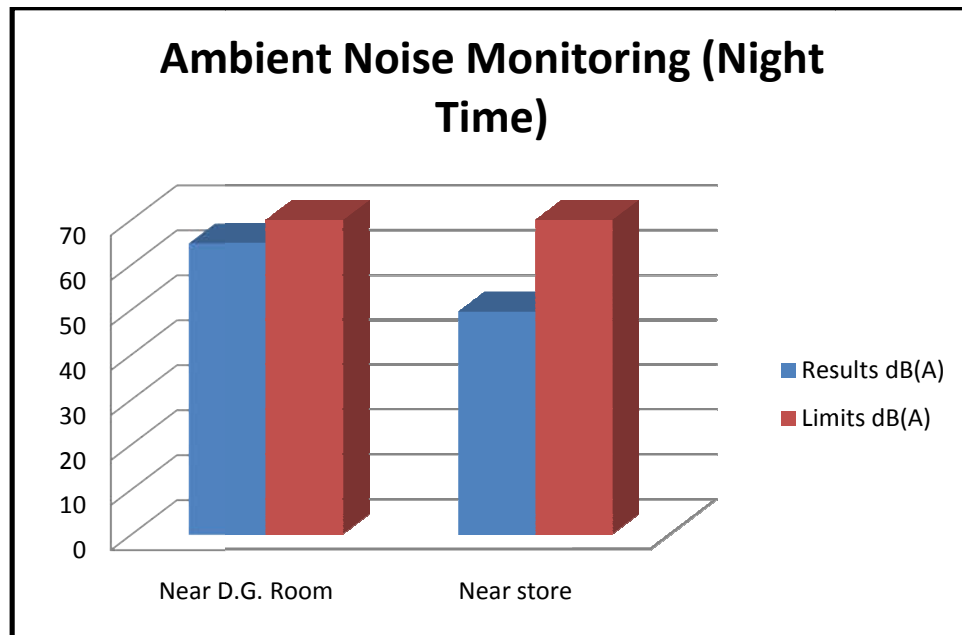
i. Day time

Location	DAY TIME	
	Results dB(A)	Limits dB(A)
Near D.G. Room	74.25	75
Near store	62.70	75



ii. Night Time

	NIGHT TIME	
Location	Results dB(A)	Limits dB(A)
Near D.G. Room	64.89	70
Near store	49.54	70



Annexure – 6



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

TRRN 4712204002197

Establishment Code & Name WBTLO1639421000 SUBHAM OILS & RESINS PRIVATE LIMITED

Dues for the wage month of March 2022

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

Total Subscribers :	EPF 11	EPS 11	EDLI 11
Total Wages :	95,923	95,923	95,923

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	500	0	0	0	500
2	Employer's Share Of	3,518	0	7,993	481	0	11,992
3	Employee's Share Of	11,511	0	0	0	0	11,511
Grand Total : Twenty-Four Thousand Three Rupees Only							24,003

(This is a system generated challan on 07-APR-2022 16:38, 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.) -	24,003	
F) Total amount of uploaded ECR (D + E) (	24,003	





Employees' State Insurance Corporation

Contribution History Of 40000460440000906 for Mar2022

Total IP Contribution		Total Employer Contribution	Total Contribution	Total Government Contribution		Total Monthly Wages	
1,081.00		4,666.00	5,747.00	0.00		143,568.00	
SNo.	Is Disable	IP Number	IP Name	No. Of Days	Total Wages	IP Contribution	Reason
1	-	4020971144	DEBABRATA KUMAR SEAL	28	7933.00	60.00	-
2	-	4020795912	KESHAB SEN	30	12500.00	94.00	-
3	-	4020845909	RANJAN SWARNAKR	30	13125.00	99.00	-
4	-	4020545828	CHATTU GUHA	29	14258.00	107.00	-
5	-	4020831013	CHANDAN GHARA	30	16275.00	123.00	-
6	-	4020614122	SUBRATA GANGULY	28	18667.00	140.00	-
7	-	4109714598	ARVINDA KUMAR UPADHYAY	30	17000.00	128.00	-
8	-	4020871682	PRASANTA HALDER	12	7500.00	57.00	-
9	-	3811343695	ANANDA MANIK	29	17400.00	131.00	-
10	-	4020916869	SIDDHARTHA PAL	30	18910.00	142.00	-

6:18:26PM

Annexure – 7

আনন্দবাজার পত্রিকা ও এবেনা-র কথো অফার: ৫ টাকা

9952106 | 97487689

The Telegraph

CALCUTTA TUESDAY 16 APRIL 2013 Rs 3.00

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as Consultant/
per Part/Full time
to needs serious
to expand in Kol
788788

**co
immigration**

Space for Cor-
available on rent
riahat Road, Gol-
Area approx 700sqft
n 2nd and 3rd Floor,
sted corporate par-
ay send their enqui-
through email to
sarsteel@rediff
om or meet Shri P
ttacharya at 159/1,
Road Howrah-
between 1pm-4pm
rking days. Broker
e
788228

guys 24hrs service Kria
8017722579/9830789409
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pen friend

High Earn (25000-35000)
through male escort
bold relation with air
hostress model pick &
drop-8017740208/
9874380632
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Progress your financial
condition Hi income
Bold relation hi profile
100% privacy & dignity
8017090560/ 9874380668
788888

Get the fill of cosy
Friendship with high per-
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
Rampurhat, my wife will
be known and identified
as Suprava Mandal only
in place of Suproba
Mandal (Sri Binakar
Mandal).
788841

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in The Telegraph
from home.**

2448 2828
(Kolkata)

2448 3030*
(Outside Kolkata)

*For black areas only

**For
TENDER
&
NOTICE
advertisement
Call:
Arjun
98369 85698**

Only 5% Premium for Colour

**Ranked
among
top 3**
private Universities
of the country
in a study by Financial Express
year 2009

**Ranked
no. 1**
private University
of the country
in a study by DNA
year 2011

Best
Hotel management
institute
of the country
in a study by CSR
year 2012

Best
E-campus
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)

Annexure – 8



ORANGE CATEGORY

Renewal Consent to be applied
before 120 days of validity Period

WEST BENGAL POLLUTION CONTROL BOARD

Barrackpore, Bldg. No. 10A, Block - LA, Sector III, Bidhannagar, Kolkata - 700 106
(Orange/ ~~Green~~ Category Unit)

CO132734

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, 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
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	BOD	COD	TSS	O & G	--	--	Yearly
		5.5 to 9.0	30	250	100	10	--	--	--

(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. Eng./Engr./Sr. Scientist)

Environmental Engineer

W.R. Pollution Control Board, B.O.



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

(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	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.

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 Liability insurance Act, 1991.

Additional Conditions : See Annexure - II

For and on behalf of the Board



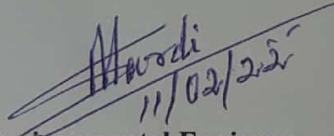
(Member Secretary/Chief Engr./Sr. Env. Engr./Asst. Engr./Jr. Scientist)
W. B. Pollution Control Board
Operation & Execution Cell

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

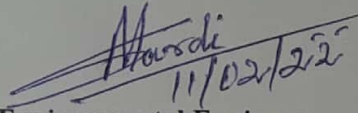

11/02/2021
Sr. Environmental Engineer
West Bengal Pollution Control Board

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

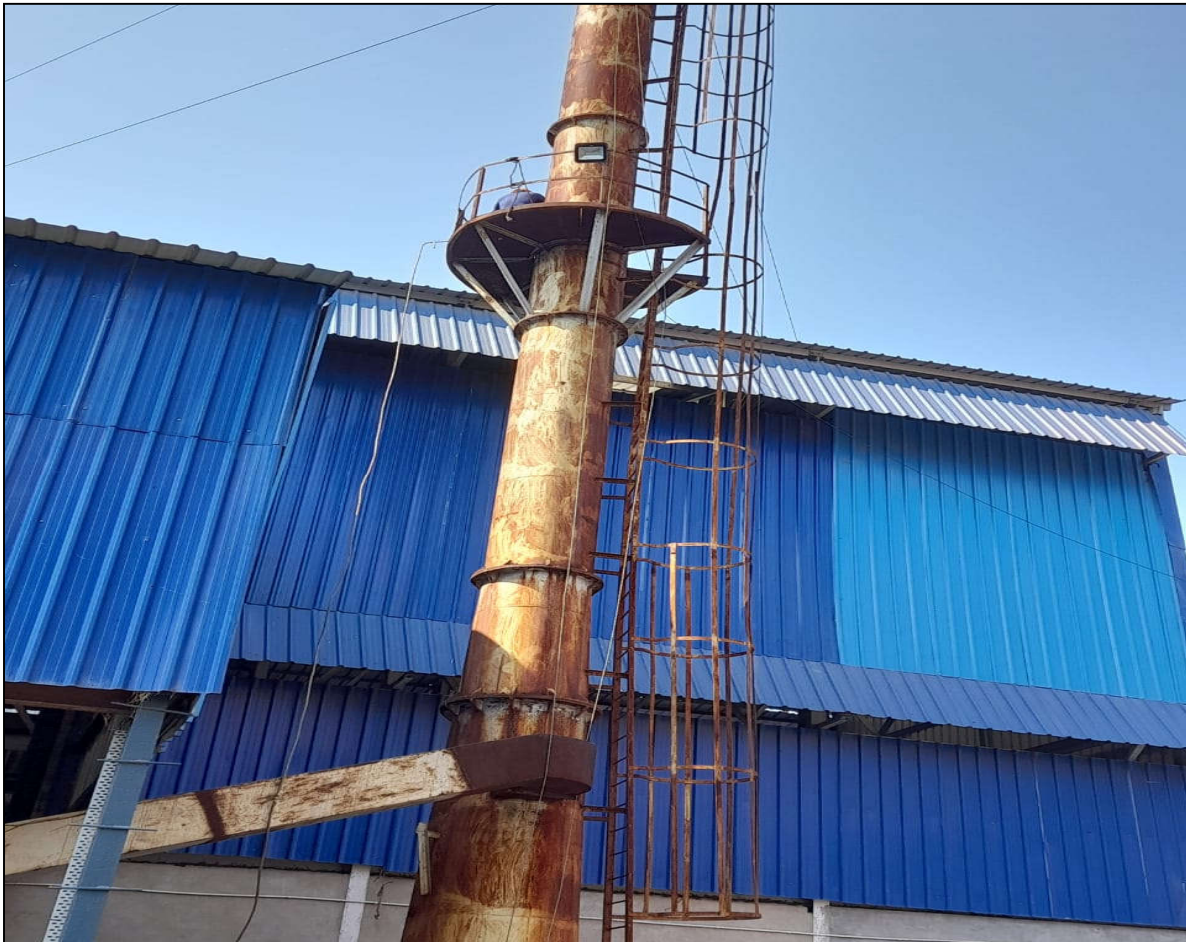
PICTORIAL EVIDENCE

AMBIENT AIR QUALITY MONITORING





STACK GAS MONITORING



NOISE MONITORING



WORKZONE MONITORING



WATER MONITORING

