



Subham Oils & Resins
Private Limited

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Date: 30/11/24

To
The Member Secretary
State Level Environment Impact Assessment
Authority (SEIAA)
Prani Sampad Bhavan, 5th Floor, LB-2
Sector-III Salt Lake, Kolkata-700106
Email ID- msseiaa.wb@gmail.com

PROJECT NAME: Proposed Proposal for the Expansion of Alkyd Resin and Allied Chemical Manufacturing unit (11100 TPA) by M/s. Subham Oils & Resins Private Limited at JL No. 15, Plot No. 650/780, 635/781, 636/861, Village+Mouza – Navarand, PO – Suryapur, PS – Titagarh, Sewli gram panchayat, Tehsil – Barrackpore, District – North 24 Parganas, West Bengal.

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

COMPLIANCE PERIOD: April 2024 to September 2024

Subject: Submission of Six-Monthly Compliance Report for the period of April 2024 to September 2024

Sir,

We are pleased to submit the six-monthly compliance reports to you regarding the above-mentioned project at Village+Mouza – Navarand, PO – Suryapur, PS – Titagarh, Sewli gram panchayat, Tehsil – Barackpore, District – North 24 Parganas, West Bengal. The Compliance Report has been prepared against the conditions mentioned in the Environmental Clearance vide Ref. no. F-No. – J-11011/551/2010-IA-II(I), Dated 22.03.2013

We hope that you will do the needful in this regard.

Thanking you

Yours truly,



For Subham Oils & Resins Private Limited

SIX MONTHLY COMPLIANCE REPORT

PERIOD: APRIL 2024 to SEPTEMBER 2024

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 (11000 TPA) at JL No. 15, Plot No. 650/780, 635/781, 636/861, Village + Mouza – Navarand, P.O. - Suryapur, P.S. – Titagarh, Tehsil – Barackpore, Sewli Gram Panchayat, 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 2024 to September 2024.



COMPLIANCE STATUS ON ENVIRONMENTAL CLEARANCE

Name of the Project: Alkyd Resin & Allied Chemical Manufacturing Unit
(11000 TPA)

Clearance Letter No.: F-No. J-11011/551/2010-IA-II (I), dated 22.03.2013

Period of Compliance Report: April 2024 to September 2024

A. SPECIFIC CONDITIONS:

Sl.	COMPLIANCE CONDITIONS	:	COMPLIANCE STATUS
i.	The gaseous emissions from various process units should conform to the load/mass based standards prescribed by the Ministry of Environment & Forests and the State Pollution Control Board from time to time. National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21 st July, 2010 and amended time to time shall be followed by the unit. At no time the emission level should go beyond the prescribed standard.	:	The project proponent ensures through monitoring of its emission that the emission level does not go beyond the prescribed standard prescribed by the Ministry of Environment & Forests and the State Pollution Control Board from time to time.
ii.	Proposed boiler, TFH are reactors should be provided with stack of height 30 m from GL as proposed. Stack emissions should be monitored at regular intervals and records should be maintained.	:	Thermic Fluid Heater (TFH) have been provided with stack of height 30 m from GL as proposed. Monitoring report has been attached as in Annexure – 1 . Moreover, pictorial evidence of TFH has been enclosed in Annexure – 2 .

iii.	Ambient air quality data shall be collected as per NAAQS standards notified by the Ministry vide G.S.R. / No. 826(E) dated 16 th September, 2009. The levels of PM ₁₀ , PM _{2.5} , SO ₂ , NO _x , VOC, NH ₃ and HCl shall be monitored in the ambient air and emissions from the stacks and displayed at a convenient location near the main gate of the company and at important public places. The company shall upload the results of monitored data on its website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of WBPCB.	:	Ambient air quality are collected as per NAAQS standards notified by the Ministry vide G.S.R. / No. 826(E) dated 16 th September, 2009. Monitoring report has been enclosed as in Annexure – 3 .
iv.	In plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fugitive emissions shall be controlled by providing closed storage, closed handling & conveyance of chemicals/materials and water sprinkling. Adequate stack height would be provided for wider dispersion of gaseous emissions and regular stack monitoring would be done as per CPCB guidelines.	:	In plant control measures for checking fugitive emissions from all the vulnerable sources have been provided. Monitoring report as per following of the conditions has been attached in Annexure – 4 .
v.	For further control of fugitive emissions, following steps shall be followed: 1. Closed handling system shall be provided for chemicals. 2. Reflux condenser shall be provided over reactor. 3. System of leak detection and repair of pump pipeline based on preventive	:	All of the mentioned conditions are followed by the project proponent. Required pictorial evidence has been enclosed in Annexure – 2 .

	<p>maintenance.</p> <p>4. All the raw materials are stored in tanks/drums in isolated/designated storage area and are kept tightly closed.</p>		
vi.	<p>Groundwater shall be abstracted as per permission obtained from the competent authority as per The West Bengal Ground Water Resources (Management, Control and Regulation) Acts 2005.</p>	:	<p>Groundwater has been abstracted as per permission obtained from the competent authority as per The West Bengal Ground Water Resources (Management, Control and Regulation) Acts 2005. Supporting document has been attached in Annexure – 5.</p>
vii.	<p>In case of treatment process disturbances/failure of pollution control equipment adopted by the unit. The respective unit shall be shut down and shall not be restarted until the control measures are rectified to achieve the desired efficiency.</p>	:	<p>The mentioned condition has been carefully noted by the project proponent and measures are taken as been mentioned in the condition.</p>
viii.	<p>The unit shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. The unit shall maintain proper inventory of hazardous chemicals and keeps the buffer stock as minimum as possible to reduce possibility and magnitude of environmental hazards.</p>	:	<p>The unit strictly complies with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. The unit maintains proper inventory of hazardous chemicals and keeps the buffer stock as minimum as possible to reduce possibility and magnitude of environmental hazards. Storage area pictures are attached in Annexure – 2.</p>

ix.	As proposed, rain water should be stored in 280 KL capacity storage tanks as proposed to use the stored water for plantation, firefighting, washing & clearing etc. Recharging of ground water is not permitted.	:	Rain water has been stored by the proponent in 280 KL capacity storage tanks as proposed to use the stored water for plantation, firefighting, washing & clearing etc.
x.	Waste water generated from the project will be treated in ETP. Cooling water shall be recycled within factory premises. As proposed, the unit shall maintain zero waste water discharge.	:	Waste water generated from the project is treated in ETP. Cooling water is recycled within factory premises. As per proposal, the unit maintains zero waste water discharge. Pictures of ETP has been attached in Annexure – 2 .
xi.	Continuous and regular monitoring of both the ETP should be carried out and monitoring report to be submitted in WBPCB's regional office.	:	Monitoring report of ETP has been enclosed in Annexure – 6 .
xii.	The project proponent should take proper precautionary measures against release/escape of effluents due to inclement weather situations like heavy rains etc. There should be a peripheral drain system for arresting any liquid effluent that may overflow/spill over and this drain must be suitably connected to the ETP.	:	The project proponent takes proper precautionary measures against release/escape of effluents due to inclement weather situations like heavy rains etc. There is peripheral draining system for arresting any liquid effluent that may overflow/spill over and this drain must be suitably connected to the ETP.

xiii.	The hazardous wastes generated to be stored and handled as per the Hazardous Wastes (Management, Handling and Transboundary Movement) Rule, 2008. The unit shall provide isolated area for the hazardous waste storage within the premise.	:	The mentioned condition is strictly followed by the project proponent and suitable space has been provided for storage and handling of hazardous waste.
xiv.	The unit shall undertake following waste minimization measures: a. Metering and control of quantities of active ingredients to minimize waste. b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. c. Use of automated filling to minimize spillage. d. Use of Close Feed system into batch reactors. e. Venting equipment through vapour recovery system. f. Use of high-pressure hoses/jet pumps for equipment cleaning to reduce wastewater generation.	:	Project proponent in its plant unit takes care of the mentioned points of measures to ensure waste minimization.
xv.	Storage/loading/unloading should be done over impervious floor so that no leakage to soil under the premises can take place. Storage should be done in a well-ventilated region allowing no accumulating vapors.	:	Mentioned clauses are followed by the project proponent inside its plant area.

xvi.	<p>Ambient noise level should not exceed the permissible limit. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dB(A) Leq (daytime) and 70 dB(A) Leq (nighttime) and its subsequent amendments.</p>	<p>: Following the mentioned condition aside ambient noise level has been kept well within the standards. Monitoring report has been attached in Annexure – 7.</p>
xvii.	<p>Green belt shall be developed within and around the plant premises. At least 33% of the land area should be covered by plantation. At least 110 nos. of plants to be planted. Indicative list of species is given at Annexure – II. The landscape planning should include plantation of native species. The species with heavy foliage and wide canopy are desirable.</p>	<p>: Green belt has been developed within and around the plant premises by the proponent as per directives of the compliance.</p>
xviii.	<p>All internal roads should be concreted/pitched. Proper lighting and proper pathway inside the factory premise should be constructed to ensure safe vehicular movement. Provision of separate pathway for entry and exit of vehicles should be considered. Vehicles should conform to pollution under control (PUC) norms. Proper housekeeping shall be maintained within the premise. Solar lighting should be used as far as</p>	<p>: In support to the point mentioned as condition supporting pictorial evidence has been attached as in Annexure – 2.</p>

	possible.		
xix.	Emergency Preparedness Plan should be in place for accidental releases and failures of any vessel/equipment used in the process.		Emergency Preparedness Plan has been established by the proponent in case for accidental releases and failures of any vessel/equipment used in the process.
xx.	Health and safety of workers should be ensured. Workers should be provided with adequate personnel protective equipment and sanitation facilities. Occupational Health Surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.		Health and safety of workers have been ensured thereby providing them with adequate personnel protective equipment and sanitation facilities. Occupational Health Surveillance of the workers is done on a regular basis and records maintained as per the Factories Act. ESI challan in support to this condition has been attached in Annexure – 8 .
xxi.	Adequate measures to be adopted to ensure industrial safety, proper fire detection protection systems to be provided to control fire and explosion hazard.		Adequate measures have been adopted in order to ensure industrial safety, proper fire detection protection systems to be provided to control fire and explosion hazard. Supporting pictures are enclosed in Annexure – 2 .
xxii.	The implementation and monitoring of Environment Management Plan should be carried out as proposed.		The implementation and monitoring of Environment Management Plan is carried out as proposed.

xxiii.	The Corporate Social Responsibilities Plan with specific financial commitment should be implemented for the proposed project. At least 5% of the project cost should be utilised for Corporate Social Responsibility programmes. CSR activities shall be undertaken by involving local villages and administration.	The Corporate Social Responsibilities Plan with specific financial commitment have been implemented by the project proponent.
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B. GENERAL CONDITIONS

SI.	COMPLIANCE CONDITIONS	COMPLIANCE STATUS
i.	The environmental clearance accorded shall be valid for a period of 7 years for the proposed project.	: The project proponent would note and comply with this condition.
ii.	Prior Consent-to-Establish (NOC) for the proposed expansion project must be obtained from WBPCB before commencement of construction. All other statutory clearances should be obtained by project proponent from the competent authorities.	: Prior Consent-to-Establish (NOC) for the proposed expansion project has been obtained from WBPCB before commencement of construction. CTE of the project has been enclosed in Annexure – 9 .
iii.	The project proponent shall comply with all the environmental protection measures and safeguards recommended. Further, the unit must undertake socio-economic, development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care, etc.	: The project proponent will comply with all the environmental protection measures and safeguards recommended. Further, the unit has already undertaken socio-economic, development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care, etc.

iv.	All the conditions, liabilities and legal provisions contained in the EC shall be equally applicable to the successor management of the project in the event of the project proponent transferring the ownership, maintenance of management of the project to any other entity.	: All the conditions, liabilities and legal provisions contained in the EC will be equally applicable to the successor management of the project in the event of the project proponent transferring the ownership, maintenance of management of the project to any other entity.
v.	Provision should be made for the supply of kerosene or cooking gas to the laborers during construction phase. All the laborers to be engaged for construction works should be screened for health and adequately treated before issue of work permit. Environmental sanitation should be ensured for the workers.	: 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 has been removed after completion of the project in the expansion unit.
vi.	The project proponent should make financial provision in the total budget of the project for implementation of the environmental safeguards. The project authorities will provide requisite funds both recurring and non-recurring to implement the conditions stipulated by the SEIAA, West Bengal along with the implementation schedule for all the conditions stipulated herein. The funds so provided should not be diverted for any other purpose.	: The project proponent has already made financial provision in the total budget of the project for implementation of the environmental safeguards.

vii.	No further expansion or modifications in the plant should be carried out without prior approval of the State Environmental Impact Assessment Authority, West Bengal. In case of any change(s) in the scope of the project, the project would require a fresh appraisal by the SEIAA, West Bengal.	: 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.
viii.	The West Bengal Pollution Control Board, who would be monitoring the implementation of environmental safeguards, should be given full cooperation, facilities and documents / data by the project proponents during their inspection. A six-monthly compliance report and the monitored data along with statistical interpretation shall be submitted to the WBPCB regularly. A complete set of all the documents should also be forwarded to the State Level Environmental Impact Assessment Authority, West Bengal.	: The condition has been carefully noted and full cooperation has been provided while conducting inspection works. Also, six-monthly compliance reports tagged with monitoring data has been sent to WBPCB.
ix.	The Project Proponent should inform the public that the project has been accorded environmental clearance by the SEIAA, West Bengal and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of SEIAA, West Bengal (http://environmentwb.gov.in). This should be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers	: All the conditions are compiled & copy of the advertisement is given in Annexure – 10 .

	that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned.		
x.	Project authorities should inform the State Pollution Control Board as well as the SEIAA, West Bengal, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work project implementation.	:	The mentioned condition has been complied by the project proponent.
xi.	The above stipulations would be enforced along with these and the Water Pollution and Control of Pollution Act, 1974 and Air Prevention and Control of Pollution Act, 1981, the Environment Protection Act, 1986, the Hazardous Waste Management Handling and Transboundary Movement Rules, 2009, the Public Liability Insurance Act, 1991, the Environment Impact Assessment Notification 2006 and their amendments.	:	All of the mentioned laws are abided by the project proponent while conducting its operational activities in the plant.
xii.	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report.	:	The project proponent also complies with all the environmental protection measures and safeguards recommended in the EIA/EMP report.

xiii.	A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	:	A separate Environmental Management Cell equipped with full-fledged laboratory facilities has been set up to carry out the Environmental Management and Monitoring functions by the project proponent.
xiv.	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	:	Training is imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees are undertaken on regular basis. Training to all employees on handling of chemicals have been imparted.

DATA INTERPRETATION

1. Ambient Air Monitoring

Ambient air quality monitoring has been carried out in the month of September, 2024 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	Near Administrative Building
PM _{2.5} (µg/m ³)	31.35	24.21	41.33	36.71
PM ₁₀ (µg/m ³)	60.08	55.03	69.50	64.13
SO ₂ (µg/m ³)	5.20	4.83	9.29	6.50
NO ₂ (µg/m ³)	16.50	15.0	24.98	20.04

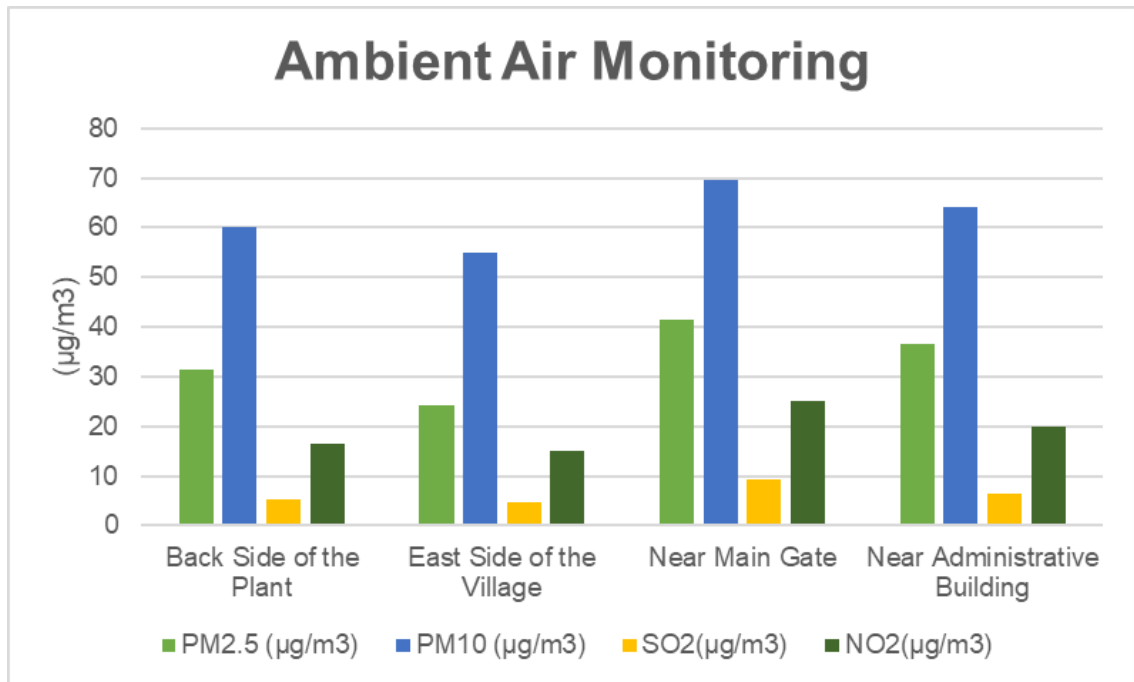


Figure 1: Graphical Representation of Ambient Air Monitoring

2. Stack Gas Analysis

The sample was taken on September, 2024.

Location Parameters	Reaction Kettle (Over Hood)	Thermic Fluid Heater	D.G. Set – 160 KVA
PM (mg/Nm ³)	14.46	9.22	21.53

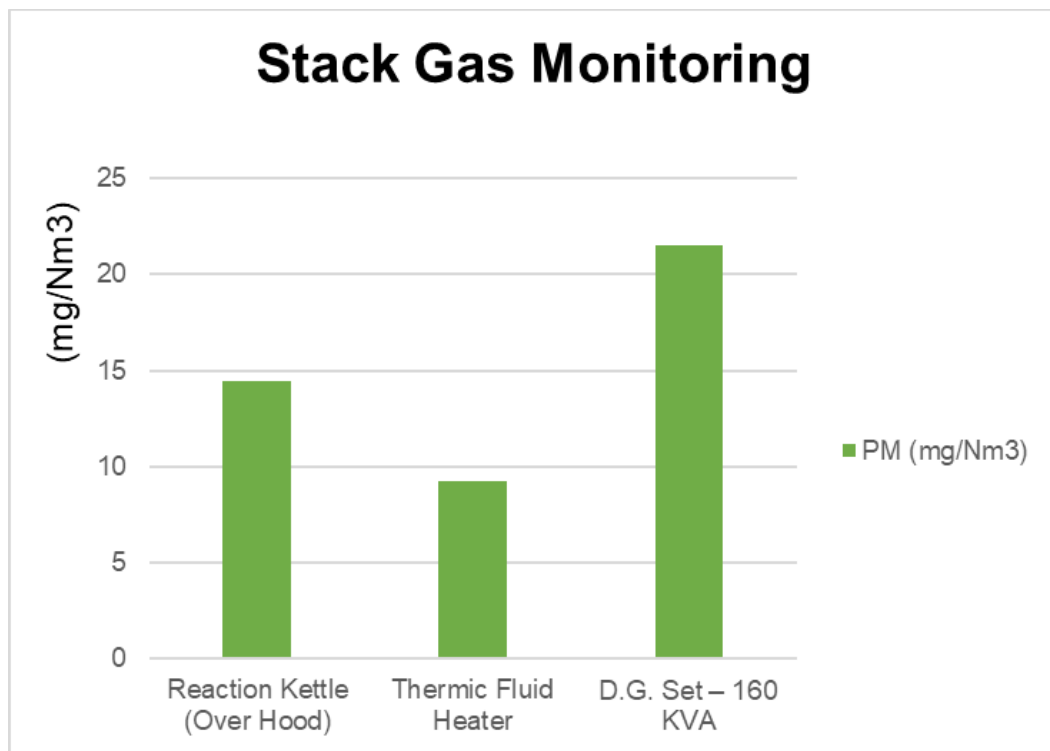


Figure 2: Graphical Representation of Stack Gas Monitoring

3. Work Zone Air Quality Analysis

The sampling has been carried in month of September, 2024.

Parameters	Inside the Processing Unit	Inside the store
SPM($\mu\text{g}/\text{m}^3$)	240.50	210.45
RPM ($\mu\text{g}/\text{m}^3$)	136.16	126.02
SO ₂ ($\mu\text{g}/\text{m}^3$)	7.82	11.71
NO ₂ ($\mu\text{g}/\text{m}^3$)	20.04	26.47

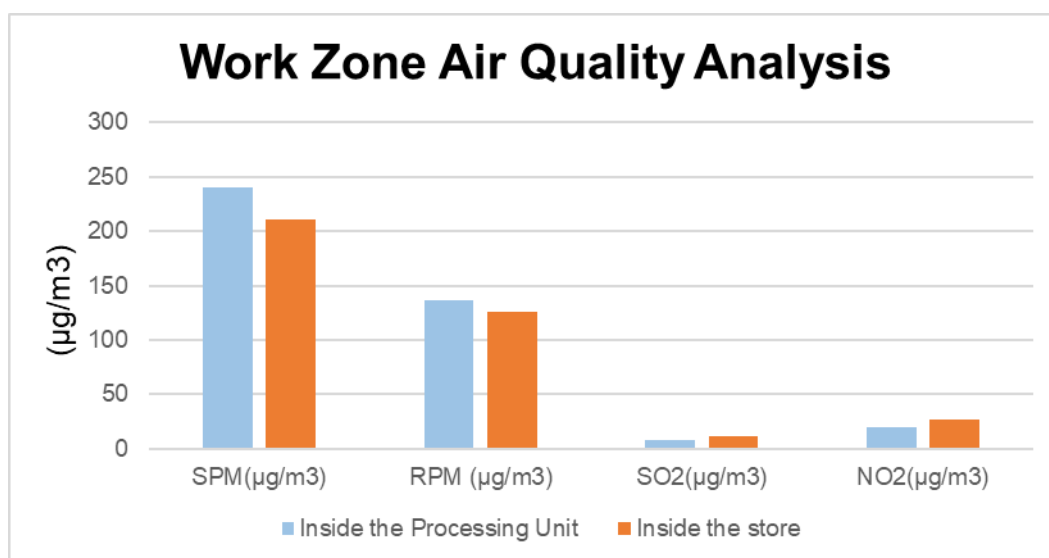


Figure 3: Graphical Representation of Work Zone Air Quality Analysis

4. Effluent Water Quality Monitoring

Effluent water sampling date is 29th March, 2024.

i. E.T.P Inlet

Parameters	Results
pH value	6.26
Total Suspended Solids	120.0
Oil & Grease	14.0
Chemical Oxygen Demand	1150.0
BOD [5 days at 20 ⁰ C] (mg./l)	280.0

ii. E.T.P Outlet

Parameters	Results	Limit
pH value	6.92	5.5-9.0
Total Suspended Solids	26.0	100.0
Oil & Grease	4.0	10.0
Chemical Oxygen Demand	70.0	250.0
BOD [5 days at 20 ⁰ C] (mg./l)	25.0	30.0

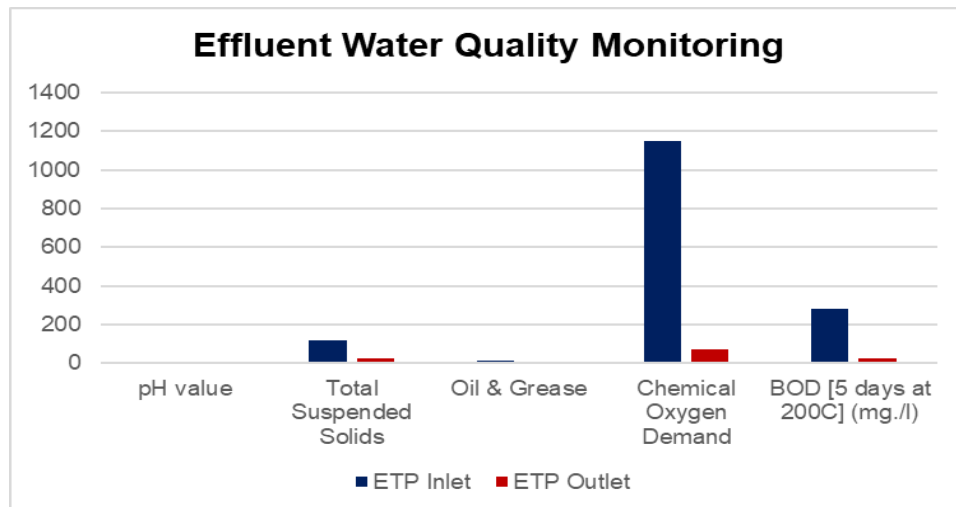


Figure 4: Graphical Representation of Effluent Water Quality Monitoring

5. Ambient Noise Monitoring

On September, 2024 Noise sampling has been carried out

Location	Results dB(A) (Day Time)	Results dB(A) (Night Time)
Near D.G. Room	71.82	68.35
Near store Room	64.19	50.61

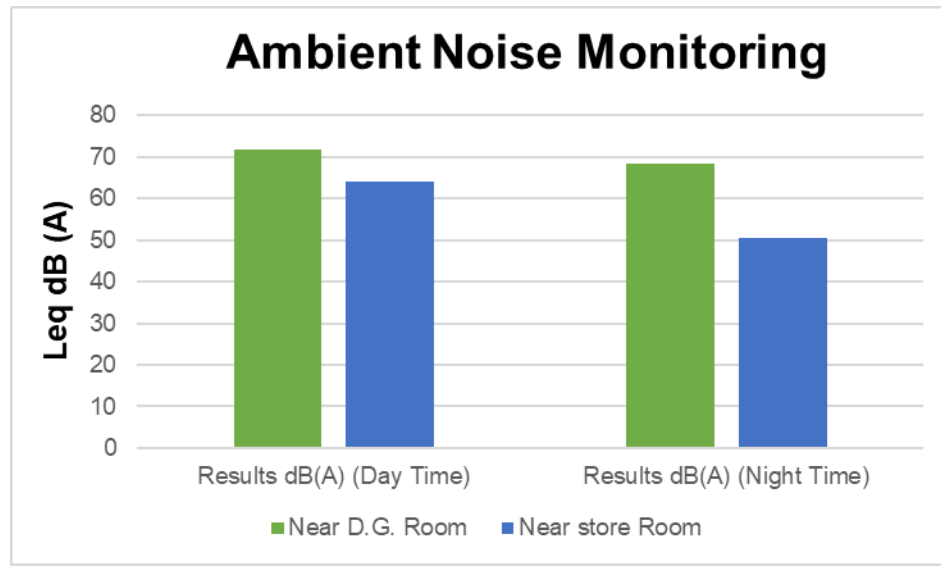


Figure 5: Graphical Representation of Ambient Noise Monitoring

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	: 27.09.2024		
		Period of Analysis	: 28.09.2024 – 30.09.2024		
		Date of Issue	: 01.10.2024		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample Condition	: Sealed	Sample ID No.	: ENV/257/M/A/I	Report No.	: ENV/257/M/TR(A)/I/24-25

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. RESULT

SL. NO.	PARAMETER	UNIT	METHOD NO.	RESULT	LIMIT
1.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part – 1) : 2019 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol.11.07) : 2017	: 14.46	150.0

Remarks : Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87].
 : N.A. means Not Available.
 : Result relates only to the sample tested.

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Authorised Signatory :

Dr. SUMIT CHOWDHURY
Technical Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 (033-25792891/25497490, Fax : 033-25299141
 Laboratory : 189,190,192,186 & 51 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



ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSPCB
Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO. - NABET/EIA/2326/IA 0117)
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	: 27.09.2024		
		Period of Analysis	: 28.09.2024 – 30.09.2024		
		Date of Issue	: 01.10.2024		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample Condition	: Sealed	Sample ID No.	: ENV/257/M/A/II	Report No.	: ENV/257/M/TR(A)/II/24-25

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.)	: 23.0
Materials of Construction	: M.S.	Stack I.D. at sampling point (mtr.)	: 0.6096
Capacity	: 6,00,000 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.	a) Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) : 2019	: <0.1	N.A.
	b) Concentration of SO ₂ (at 6% O ₂)	mg/Nm ³	IS 11255 (Part 2) : 2019	: <0.1	N.A.
2.	a) Concentration of NO _x	mg/Nm ³	IS 11255 (Part 7) : 2017 / ASTM D 1608-98,	: 7.92	N.A.
	b) Concentration of NO _x (at 6% O ₂)	mg/Nm ³	Sec. 11 (Vol. 11.07) : 2017	: 16.50	N.A.
3.	Concentration of CO ₂	% (v/v)	IS 13270 : 2019	: 4.6	N.A.
4.	Concentration of O ₂ by Orsat	% (v/v)	EPA Method 3 : 2017	: 13.8	N.A.
5.	Concentration of CO	%(v/v)	IS 13270 : 2019	: <1.0	1.0
6.	a) Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part – 1) : 2019 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec.	: 9.22	N.A.
	b) Concentration of Particulate Matter (at 6% O ₂)	mg/Nm ³	11 (Vol.11.07) : 2017	: 19.20	150.0

Remarks : Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87].
: N.A. means Not Available.
: Result relates only to the sample tested.

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Authorised Signatory :

Dr. SUMIT CHOWDHURY
Technical Manager

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Branch Office : ▪ Siliguri ▪ Haldia ▪ Durgapur ▪ Dhanbad ▪ Gangtok ▪ Port Blair ▪ Dehradun ▪ New Delhi
Overseas : ▪ UAE ▪ Qatar ▪ Netherlands



ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSPCB
 Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO. - NABET/EIA/2326/IA 0117)
 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	: 27.09.2024		
		Period of Analysis	: 28.09.2024 – 30.09.2024		
		Date of Issue	: 01.10.2024		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample Condition	: Sealed	Sample ID No.	: ENV/257/M/A/III	Report No.	: ENV/257/M/TR(A)/III/24-25

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: Diesel Generator (Acoustic Enclosure attached)		
Shape of Stack	: Circular	Height of Stack (mtr.) (from G. L.)	: 6.0
Materials of Construction	: M.S.	Stack I.D. at sampling point (mtr.)	: 0.10
Capacity	: 160 KVA	Height of sampling port (mtr.) (from G.L.)	: Final Exhaust
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.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) : 2019	: 23.80	N.A.
2.	Concentration of CO ₂	% (v/v)	IS 13270 : 2019	: 7.6	N.A.
3.	Concentration of CO	%(v/v)	IS 13270 : 2019	: <1.0	1.0
4.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol.11.07) : 2017	: 21.53	150.0

Remarks : Limit as per CPCB [Emission Regulation Part IV: COINDS/26/1986-87].
 : N.A. means Not Available.
 : Result relates only to the sample tested.

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Authorised Signatory :

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 Overseas : ▪ UAE ▪ Qatar ▪ Netherlands

Annexure – 2

PICTORIAL EVIDENCE

Stack Monitoring Pictures:



Noise Monitoring Pictures:



Ambient Monitoring Pictures:



ETP Monitoring Pictures:



Effluent Treatment Plant:



Thermic Fluid Heater (TFH):



Raw Material Storage Area:



Finished product Storage Area:



Internal Roads:



Fire Safety Equipment:



Annexure – 3



ENVIROCHECK

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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	: 27.09.2024 – 28.09.2024		
		Period of Analysis	: 28.09.2024 – 30.09.2024		
		Date of Issue	: 01.10.2024		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Ambient Air
Sample Condition	: Sealed	Sample ID No.	: ENV/257/M/A/IV	Report No.	: ENV/257/M/TR(A)/IV/24-25

A] GENERAL INFORMATION

1. Location of Sampling : Near Main Gate
2. Duration of Sampling : 24 hrs. (09:00 a.m. – 09:00 a.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 28.0
2. Average Relative Humidity (%) : 74.0
3. Barometric Pressure (mm of Hg) : 757.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Clear

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	IS 5182 (Part 24) : 2019	41.33	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2019	69.50	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2017 & ASTM D 2914-01, Sec. 11 (Vol. 11.07) : 2017	9.29	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2017 & ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018	24.98	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10) : 2019	0.26	2.0
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) : 2019	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2019 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.36	1.0
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2017 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.74	5.0
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-9) : 2019		100.0
10.	Ammonia (NH ₃)	µg/m ³	IS 5182 (Part 25) : 2018	23.50	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.
 : Result relates only to the sample tested.

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Authorised Signatory :

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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	: 27.09.2024 – 28.09.2024		
		Period of Analysis	: 28.09.2024 – 30.09.2024		
		Date of Issue	: 01.10.2024		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Ambient Air
Sample Condition	: Sealed	Sample ID No.	: ENV/257/M/A/V	Report No.	: ENV/257/M/TR(A)/V/24-25

A] GENERAL INFORMATION

1. Location of Sampling : Near Administrative Building
2. Duration of Sampling : 24 hrs. (09:30 a.m. – 09:30 a.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 28.0
2. Average Relative Humidity (%) : 74.0
3. Barometric Pressure (mm of Hg) : 757.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Clear

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	IS 5182 (Part 24) : 2019	36.71	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2019	64.13	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2017 & ASTM D 2914-01, Sec. 11 (Vol. 11.07) : 2017	6.50	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2017 & ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018	20.04	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10) : 2019	0.16	2.0
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) : 2019	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2019 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.36	1.0
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2017 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.74	5.0
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-9) : 2019		100.0
10.	Ammonia (NH ₃)	µg/m ³	IS 5182 (Part 25) : 2018	20.0	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.
: Result relates only to the sample tested.

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Authorised Signatory :

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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	: 27.09.2024 – 28.09.2024		
		Period of Analysis	: 28.09.2024 – 30.09.2024		
		Date of Issue	: 01.10.2024		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Ambient Air
Sample Condition	: Sealed	Sample ID No.	: ENV/257/M/A/VI	Report No.	: ENV/257/M/TR(A)/VI/24-25

A] GENERAL INFORMATION

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

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 28.0
2. Average Relative Humidity (%) : 74.0
3. Barometric Pressure (mm of Hg) : 757.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Clear

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	IS 5182 (Part 24) : 2019	31.35	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2019	60.08	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2017 & ASTM D 2914-01, Sec. 11 (Vol. 11.07) : 2017	5.20	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2017 & ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018	16.50	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10) : 2019	0.12	2.0
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) : 2019	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2019 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.36	1.0
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2017 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.74	5.0
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-9) : 2019		100.0
10.	Ammonia (NH ₃)	µg/m ³	IS 5182 (Part 25) : 2018	16.50	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.
: Result relates only to the sample tested.

Reviewed By :

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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	: 27.09.2024 – 28.09.2024		
		Period of Analysis	: 28.09.2024 – 30.09.2024		
		Date of Issue	: 01.10.2024		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Ambient Air
Sample Condition	: Sealed	Sample ID No.	: ENV/257/M/A/VII	Report No.	: ENV/257/M/TR(A)/VII/24-25

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) : 28.0
2. Average Relative Humidity (%) : 74.0
3. Barometric Pressure (mm of Hg) : 757.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Clear

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	IS 5182 (Part 24) : 2019	24.21	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2019	55.03	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2017 & ASTM D 2914-01, Sec. 11 (Vol. 11.07) : 2017	4.83	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2017 & ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018	15.0	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10) : 2019	0.14	2.0
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) : 2019	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2019 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.36	1.0
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2017 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.74	5.0
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-9) : 2019		100.0
10.	Ammonia (NH ₃)	µg/m ³	IS 5182 (Part 25) : 2018	15.0	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.
: Result relates only to the sample tested.

Reviewed By :

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Dy. Quality Manager

Authorised Signatory :

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Overseas : ▪ UAE ▪ Qatar ▪ Netherlands

Annexure – 4



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	: 28.09.2024		
		Period of Analysis	: 28.09.2024 – 30.09.2024		
		Date of Issue	: 01.10.2024		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Work Zone Air
Sample Condition	: Sealed	Sample ID No.	: ENV/257/M/A/VIII	Report No.	: ENV/257/M/TR(A)/VIII/24-25

A] GENERAL INFORMATION

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

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 29.0
2. Average Relative Humidity (%) : 76.0
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	IS 5182 (Part 4) : 2019	210.45	5000.0

Remarks : Limit as per The Factory Act – 1948.
: Result relates only to the sample tested.

Reviewed By :

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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	: 28.09.2024		
		Period of Analysis	: 28.09.2024 – 30.09.2024		
		Date of Issue	: 01.10.2024		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Work Zone Air
Sample Condition	: Sealed	Sample ID No.	: ENV/257/M/A/VIII	Report No.	: ENV/257/M/TR(A)/VIII/24-25

A] GENERAL INFORMATION

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

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 29.0
2. Average Relative Humidity (%) : 76.0
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 RPM	µg/m ³	IS 5182 (PART 23) : 2019	126.02	N.A.
2.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2017 & ASTM D 2914-01, Sec. 11 (Vol. 11.07) : 2017	11.71	N.A.
3.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2017 & ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018	26.47	N.A.

Remarks : N.A. means Not Available.
: Result relates only to the sample tested.

Reviewed By :

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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	: 28.09.2024		
		Period of Analysis	: 28.09.2024 – 30.09.2024		
		Date of Issue	: 01.10.2024		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Work Zone Air
Sample Condition	: Sealed	Sample ID No.	: ENV/257/M/A/IX	Report No.	: ENV/257/M/TR(A)/IX/24-25

A] GENERAL INFORMATION

1. Location of Sampling : Inside the Processing Store
2. Duration of Sampling : 08 hrs. (11:00 a.m. – 07:00 p.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 29.0
2. Average Relative Humidity (%) : 76.0
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	IS 5182 (Part 4) : 2019	240.50	5000.0

Remarks : Limit as per The Factory Act – 1948.
: Result relates only to the sample tested.

Reviewed By :

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Dy. Quality Manager

Authorised Signatory :

Dr. SUMIT CHOWDHURY
Technical Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 (033-25792891/25497490, Fax : 033-25299141
Laboratory : 189,190,192,186 & 51 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



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/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	: 28.09.2024		
		Period of Analysis	: 28.09.2024 – 30.09.2024		
		Date of Issue	: 01.10.2024		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Work Zone Air
Sample Condition	: Sealed	Sample ID No.	: ENV/257/M/A/IX	Report No.	: ENV/257/M/TR(A)/IX/24-25

A] GENERAL INFORMATION

1. Location of Sampling : Inside the Processing Store
2. Duration of Sampling : 08 hrs. (11:00 a.m. – 07:00 p.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 29.0
2. Average Relative Humidity (%) : 76.0
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 RPM	µg/m ³	IS 5182 (PART 23) : 2019	136.16	N.A.
2.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2017 & ASTM D 2914-01, Sec. 11 (Vol. 11.07) : 2017	7.82	N.A.
3.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2017 & ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018	20.04	N.A.

Remarks : N.A. means Not Available.
: Result relates only to the sample tested.

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Authorised Signatory :

Dr. SUMIT CHOWDHURY
Technical Manager

<End of Report>

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 Phone (033-25792891/25497490)
Laboratory : 51, 185, 186, 189,190, 192 & 326/3 Rastraguru Avenue, Kolkata - 700028
Email : envirocheck50@gmail.com / info@envirocheck.in/ / Website : www.envirocheck.in



Annexure – 5

FORM 4

[See Rules 9(3) and 10(5)]

U63044

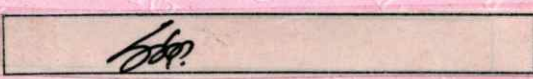
(EMBLEM OR HOLOGRAM OF THE CONCERNED AUTHORITY)

PERMIT FOR SINKING OF NEW WELL

[U/S 7(3)(b) / 7(4)(b) / 7(5)(a) of the West Bengal Ground Water Resources (Management, Control and Regulation) Act 2005.]

PERMIT NO P1407015000860000001TSE

452

1. (a) Name of the applicant (user) : Shri/Smt. Subham Oils & Resins Pvt. Ltd.
(b) Son / Daughter of : NA.
(c) Address of the applicant : 183, Bangur Avenue, Block-B, Kol-55.
(d) Category of farmer (Please tick) : Small Farmer / Marginal Farmer / Others
(in case of irrigation well)
(e) Serial No. of application Form and date of submission : BP/A-0046, SL NO-13, dt-16.09.2010.
(f) Specimen signature of the user : 
2. Location particulars---
(a) District : North 24 Parganas.
(b) Block, Mouza, J. L. No., Plot No. : Barrackpore II, Navarand, 15, 86.
(c) Municipality / Corporation :
Ward No. / Borough No., Holding No. : -
3. Particulars of the proposed well and pumping device---
(a) Type of the well : Tube Well.
(b) Approx. depth of the well (m) : 200 m.
(c) Purpose of the well : Industrial (Chemical)
(d) Assembly size (for tube well) : 100 mm X 50 mm.
(e) Approx. strainer length (for tube well) : 10 m.
(f) Diameter (for dug well) : NA m.
(g) Type of pump to be used : Submersible.
(h) H. P. of the pump : 2 H.P.
(i) Operational device : Electric Motor.
(j) Rate of withdrawal (m³/hr.) : 3 m³/hr.
(k) Maximum allowable running hours per day : 5 hrs/day.

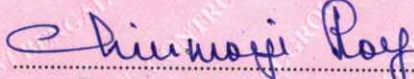
This permit authorizes the owner applicant (user) to sink a well in the location specified at S1. (2) for extraction of ground water at a rate not exceeding that as shown at S1. (3) (j) and for running hours / day as shown at S1. (3) (K), and is valid subject to the observance of the conditions stated overleaf.

Place : Barasat.

Date : 22.05.13.

Conditions :

- (1) In case of any change of ownership of the proposed well, fresh registration has to be obtained.
- (2) No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at S1. (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this permit.
- (3) In case, any of the particulars / information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.
- (4) Any other condition imposed by the concerned Authority.


Signature of the Issuing Authority
and Designation.

**Geologist &
Member Secretary
D.L.A. North 24 Parganas
Geological Sub-Div. III
Barasat**

P.T.O. for
Conditionalties -



Annexure – 6



ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSPCB
Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO. - NABET/EIA/2326/IA 0117)
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	: 27.09.2024		
		Period of Analysis	: 27.09.2024 – 03.10.2024		
		Date of Issue	: 04.10.2024		
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 Condition	: Sealed	Sample ID No.	: ENV/314/W/M/I
Report No.	: ENV/314/TR(W)/M/I/24-25				

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS
1.	pH	4500 H+B APHA 23 rd Edition, 2017	--	6.26
2.	Total Suspended Solids	2540 D APHA 23 rd Edition, 2017	mg/l	120.0
3.	Oil & Grease	5520 B/D APHA 23 rd Edition, 2017	mg/l	14.0
4.	Chemical Oxygen Demand	5220 B/C/D APHA 23 rd Edition, 2017	mg/l	1150.0
5.	Biochemical Oxygen Demand for 5 days at 20°C	5210 B APHA 23 rd Edition, 2017	mg/l	280.0

Remarks : a) Result relates only to the sample tested.

b) Sample collected by Envirocheck and sent to lab for testing in sealed condition.

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Authorised Signatory :

Dr. SUMIT CHOWDHURY
Technical Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 (033-25792891/25497490, Fax : 033-25299141
Laboratory : 189,190,192,186 & 51 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



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	: 27.09.2024		
		Period of Analysis	: 27.09.2024 – 03.10.2024		
		Date of Issue	: 04.10.2024		
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 Condition	: Sealed	Sample ID No.	: ENV/314/W/M/II
Report No.	: ENV/314/TR(W)/M/II/24-25				

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS	LIMIT
1.	pH	4500 H+B APHA 23 rd Edition, 2017	--	6.92	5.5 – 9.0
2.	Total Suspended Solids	2540 D APHA 23 rd Edition, 2017	mg/l	26.0	100.0
3.	Oil & Grease	5520 B/D APHA 23 rd Edition, 2017	mg/l	4.0	10.0
4.	Chemical Oxygen Demand	5220 B/C/D APHA 23 rd Edition, 2017	mg/l	70.0	250.0
5.	Biochemical Oxygen Demand for 5 days at 20°C	5210 B APHA 23 rd Edition, 2017	mg/l	25.0	30.0

Remarks : a) 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.

b) Result relates only to the sample tested.

c) Sample collected by Envirocheck and sent lab for testing in sealed condition.

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Authorised Signatory :

Dr. SUMIT CHOWDHURY
Technical Manager

<End of Report>

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 (033-25792891/25497490, Fax : 033-25299141
Laboratory : 189,190,192,186 & 51 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

Annexure – 7



ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSPCB
Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO. - NABET/EIA/2326/IA 0117)
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



FORMAT NO. ENV/FM/53

TEST REPORT

- Name of Industry / Company / Factory / Office : Subham Oils & Resins Pvt. Ltd.
- Address : Vill. - Iswaripur P.O - Surjopur, P.S - Titagarh, District - North 24 Parganas, Pin -700121
- Type of Industry : Alkyd & Synthetic Resin Manufacturing Unit
- Sampling Plan & Procedure : ENV/SOP/02
- Deviation from the Sampling Method & Plan : No
- Type of Sample : Noise Level Study
- Sample ID : ENV/258/M/N Report ID : ENV258/M/(TR)N/ 24-25
- Date of Study : 28/09/2024 Reporting Date : 30/09/2024
- Method No. : IS 15575 (Part 2), 2022 Time of Duration of Noise : 20 Minutes
- Sample Monitored by : Mr. Sujoy Dasgupta Height from Ground Level : 4 Feet.

RESULT OF NOISE LEVEL STUDY

Sl. No.	Location Name	dB (A) - (Noise Data)										Time (Hours)	Min dB (A)	Max dB (A)	L _{eq} dB (A)	Limit in LeqdB(A)
1.	Near Store Room	61.4	62.0	63.4	63.8	64.4	65.0	65.2	63.1	65.6	65.8	11:00 – 11:20 A.M (Day Time)	61.4	65.8	64.19	A. Industrial Area (Day Time – 75.0) (Night Time – 70.0)
2.	Near Store Room	48.2	48.6	49.1	49.4	49.8	50.1	50.4	51.8	52.6	53.1	10:30 – 10:50 P.M (Night Time)	48.2	53.1	50.61	B. Commercial Area (Day Time – 65.0) (Night Time – 55.0)
3.	Near D.G Room	69.8	70.1	71.4	72.4	73.2	72.2	71.8	70.4	71.9	73.4	01:00 – 01:20 P.M (Day Time)	69.8	73.4	71.82	C. Residential Area (Day Time – 55.0) (Night Time – 45.0)
4.	Near D.G Room	65.8	65.9	66.0	66.4	67.8	68.4	69.4	69.8	70.1	70.4	11:00 – 11:20 P.M (Night Time)	65.8	70.4	68.35	D. Silent Zone (Day Time – 50.0) (Night Time – 40.0)

> End of Report <

** Remarks : Result relates only to the Sample Tested.

** Mean of L _{eq} - 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

Authorized Signatory:

Quality Manager

Annexure – 8



Employees' State Insurance Corporation

Contribution History Of 40000460440000906 for Sep2024

Total IP Contribution		Total Employer Contribution		Total Contribution	Total Government Contribution		Total Monthly Wages
2,346.00		10,118.00		12,464.00	0.00		311,297.00
SNo.	Is Disable	IP Number	IP Name	No. Of Days	Total Wages	IP Contribution	Reason
1	-	4021243596	RIK SWARNAKAR	30	15500.00	117.00	-
2	-	4021098236	RAJ KUMAR UPADHYAY	30	14600.00	110.00	-
3	-	4021162025	ANJAN BAG	30	18000.00	135.00	-
4	-	4020795912	KESHAB SEN	30	15000.00	113.00	-
5	-	4021231903	SONALI JANA	30	14750.00	111.00	-
6	-	4021231915	DEVENDER KUMAR	27	16200.00	122.00	-
7	-	4109714598	ARVINDA KUMAR UPADHYAY	30	21000.00	158.00	-
8	-	4021040429	ARPAN MONDAL	28	20900.00	157.00	-
9	-	4111701328	NAYAN PAUL	26	18566.00	140.00	-
10	-	4119513926	KAMALA GUIN	29	17400.00	131.00	-
11	-	4021243358	CHATTU GUHA	29	17400.00	131.00	-
12	-	4021243577	SANJIB DHAR	30	16867.00	127.00	-
13	-	4021243624	SUBHAS SAHA PODDER	30	11000.00	83.00	-
14	-	4021243330	AKHTAR ALI	28	11480.00	87.00	-
15	-	4021243614	SABIR ALI MOLLA	23	8433.00	64.00	-
16	-	4021243601	BIMAN MANNA	26	9350.00	71.00	-
17	-	4021243369	AIJUL ALI	24	8617.00	65.00	-
18	-	4021243619	SK SAGIR ALAM	29	16567.00	125.00	-

7:20:59PM

SNo.	Is Disable	IP Number	IP Name	No. Of Days	Total Wages	IP Contribution	Reason
19	-	4021243354	TAPAN BID	30	17750.00	134.00	-
20	-	4021243603	NIMAI KONAI	30	6000.00	45.00	-
21	-	4021243608	MANGALA KONAI	30	6000.00	45.00	-
22	-	4021243340	PUSHKAR KARMAKAR	26	9917.00	75.00	-
23	-	4020845909	RANJAN SWARNAKR	0	0.00	0.00	Left Service
24	-	4020975817	KAYES KUMAR PRASAD	0	0.00	0.00	Left Service
25	-	4020871682	PRASANTA HALDER	0	0.00	0.00	No Work
26	-	4021243362	DEBRAJ NASKAR	0	0.00	0.00	No Work
27	-	4021243365	NITISH KUMAR	0	0.00	0.00	No Work

7:20:59PM

Annexure – 9

NOC NO 153449

WEST BENGAL POLLUTION CONTROL BOARD

Paribesh Bhawan
10A, Block-LA, Sector-III
Bidhannagar, Kolkata-700 098

Memo No. OS - 2N-14/2011(E)

Dated 02/01/2019

From :
Member Secretary,
West Bengal Pollution Control Board



To : M/s. Subham Oil & Resins Pvt. Ltd.
183, Bangur Avenue, Block - B, Kolkata - 700 055.

Sub : Consent to Establish (NOC) from Environmental Point of View

Ref : 1. Your letter No. Nil Dated 05.12.2018
2. Env. Clearance issued by SEIAA vide letter No. 1951/2N/TH-1/042/2015

Dear Sirs,

In response to the application for Consent to Establish (NOC) for proposed expansion Unit of M/s Subham Oils & Resins Pvt. Ltd. for manufacturing/storage/installation As per Annexure - I

at J.L. No.15, Plot No.650/780, 636/781, 636/861, Vill+Mouza-Navarand, P.O.-Suryapur, P.S.-Titagarh, Sewli Gram Panchayat, * this is to inform you that this Board hereby grants the Consent to Establish (NOC) from the environmental point of the above subject to the following conditions and special conditions annexed.

Dist.-North 24 Parganas, West Bengal.

1. The quality of sewage and trade effluent to be discharged from your factory shall satisfy the permissible limits as prescribed in IS : 2490 (Pt. I) of 1974, and/or its subsequent amendment and Environment (Protection) Rules 1986.
2. Suitable measures to treat your effluent shall be adopted by you in order to reduce the pollutional load so that the quality of the effluent satisfies the standards mentioned above.
3. You shall have to apply to this Board for its consent to operate and discharge of sewage and trade effluent according to the provisions of the water (Prevention & Control of Pollution) Act, 1974. No sewage or trade effluent shall be discharged by you without prior consent of this Board.
4. All emission from your factory shall conform to the standards as laid down by this Board.
5. No emission shall be permitted without prior approval of this Board and you shall apply to this Board for its consent to operate and atmospheric emission as per provision of the Air (Prevention & Control of Pollution) act, 1981.
6. No industrial plant, furnace, flues, chimneys, control equipment, etc shall be constructed/reconstructed

Director

7. You shall comply with
- (i) Water (Prevention and Control of Pollution) Cess Act, 1977, if applicable.
 - (ii) Water (Prevention and Control of Pollution) Cess Act, 1978, if applicable.
 - (iii) Environment (Protection) Act, 1986
 - (iv) Environment (Protection) Rules, 1986
 - (v) Hazardous Wastes (Management and Handling) Rules, 1989 and Amended Rules, 2000
 - (vi) Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 and Amended Rules, 2000
 - (vii) Manufacture, Use, Import and Storage and Hazardous Micro-Organisms, Genetically Engineered Organisms or Cell Rules, 1989
 - (viii) The Public Liability Insurance Act, 1991 and Amended Act, 1992
 - (ix) The Public Liability Insurance Rules, 1991 and Amended Rules 1993
 - (x) Biomedical Wastes (Management & Handling) Rules, 1998 and Amended Rules 2000 if applicable.
 - (xi) Recycled Plastics Manufacture and Usage Rules 1999, if applicable and
 - (xii) Ozone Depleting Substances (Regulation & Control) Rules, 2000, if applicable
8. You will have to abide by any other stipulations as may be prescribed by any authority/local bodies/Government Departments etc.

SPECIAL CONDITION :

Gross Capital Investment for the expansion unit without depreciation - Rs.4,23,01,200/-

Please refer to Annexure II

Any violation of the aforesaid conditions shall entail cancellation of this Consent to Establish (NOC)

Yours faithfully,

Sanjay Kumar
 Member Secretary, ASSTEN, ENGR.
 West Bengal Pollution Control Board (EIM CELL)
 & I/C.

Dated 02.01.2019

Memo No. 03 - 2N-14/2011(E)
 Copy forwarded for information to :

1. Chief Inspector of Factories, Government of West Bengal, N.S. Building, Kolkata-700 001
2. Director of Industries/Director of Cottage & Small Scale Industries, Government of West Bengal, N. S. Building, Kolkata-700 001
3. Guard file, West Bengal Pollution Control Board.
4. Environmental Engineer, I/II/Alipur R.O./Howrah R.O./Hooghly R.O./B.R.O./D.R.O./Haldia R.O./S.R.O./Asansol/ Sub-R.O./WBPC Board

Himalaya Bhawan
 Delhi Road, Dankuni
 Dist. Hooghly

Vill, Panpur
 Kalyani Expressway
 P.O. Narayanpur
 Dist. 24 Pgs. (N)

Sahid Khudiram Saran
 City Centre, Durgapur-16
 Dist. Burdwan

10, Camac Street
 2nd Floor
 Kolkata-700 017

Paribesh Bhawan
 10A, LA-Block, Sector-III
 Salt Lake City,
 Kolkata - 700 098

Block-05 at 40
 Flats Complex
 Adjacent to Priyambada
 Housing Estate
 P.O. :Khanjanchak,
 P.S. Durgachak
 Haldia-721602
 Dist. Purba Medinipur

Paribahan Nagar
 Matigara, Siliguri
 Dist.-Darjeeling

SUBHAM OILS & RESINS (P) LTD

Satya Chowdhury
 Indoor Stadium
 Balurchar Bandh Road

Asansol Sub-Regional Office
 ADDA Commercial Market (2nd Floor)
 Opposite Asansol Fire Station

Member Secretary, A.R.E.E.

Directo

Summary of products list (Annexure I)

Sl. No.	Products	Existing capacity (TPA)	Additional capacity (TPA)
1.	Alkyd resin	1500	4800
2.	Thickening of strand, linseed oil	510	-----
3.	Maleic resin	-----	600
4.	Phenolic resin	-----	300
5.	CNSL resin	-----	920
6.	Acrylic resin	-----	900
7.	Easter resin	-----	300
8.	Polyamide resin	-----	300
9.	Acrylic emulsion	-----	2400
10.	Pine & turpentine allied products	-----	200
11.	Epoxy resin	-----	380

D. Singh

SUBHAM OILS & RESINS (P) LTD.

[Signature]
Director

Annexure-II

Annexure to NOC Sl. No NO153449

Special Conditions issued to M/s. Subham Oils & Resins Pvt. Ltd., Mouza & Vill.- Navarand, P.O.- Suryapur, P.S.-Titagarh, Dist. North 24 Parganas, West Bengal

A. Emission:-

Stack No.	Stack attached to	No. of Unit	Capacity of Unit	height from ground (Mt)	Pollution control devices
1	Thermic Fluid Heater	1	400000 Kcal/hr	30.00	Bag Filter
1	Thermic Fluid Heater (Biomass Briquette fired)	1	600000 Kcal/hr	30.00	Bag Filter
1	Boiler (Non IBR) (HSD Fired)	1	2 MT/hr	30.00	-

1. Stacks should have sampling port, platform and ladder as per the Emission Regulation Part-III of CPCB.
2. Fugitive emissions at all possible sources should be arrested.
3. All other process emission (if any) should be passed through wet scrubber followed by stack of height 15 m from GL.
4. The National Ambient Air Quality Emission Standards issued by MoEF vide G.S.R 826(E) dated 16th November, 2009 should be complied with.
5. Emission standard for the thermic fluid heater stack should be maintained below 50 mg/Nm³.

B. Effluent :-

- 1) Process – To be treated in ETP. Treated effluent to be utilized within project premises. Zero Discharge Principle to be strictly followed.
- 2) Domestic – To be treated in septic tank and soak pit.

C. Solid Waste :-

1. Hazardous waste including ETP sludge to be disposed off as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
2. Other solid wastes to be disposed off as per the Solid Waste Management Rules, 2016.

D. General :-

- 1) Noise Control – Ambient noise & D.G. Set noise level not to exceed the permissible limit.
- 2) The standards / guidelines for control of noise from stationary Diesel generator sets prescribed under notification of Ministry of Environment & Forest, Govt. of India, G.S.R.371(E), [17/5/2002] and its amendments should be followed.
- 3) Fire License to be obtained from competent authority.
- 4) The unit should obtain authorization from this Board under the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

SUBHAM OILS & RESINS (P) L

Asstt. Engg. & I/C.

Direct

- 5) Good housekeeping to be maintained.
- 6) No expansion / modification to be carried out without permission from this Board.
- 7) The unit should obtain Consent-to-Operate from the Board before starting manufacturing activities.
- 8) All Statutory clearances/licenses from Competent Authorities, as applicable, to be obtained.
- 9) All conditions of the Environmental Clearance issued by SEIAA, West Bengal vide memo no. 1951/EN/T-II-I/042/2015 dated 05.09.2016 to be complied with.
- 10) This 'Consent to Establish' is valid up to 31.12.2025 for setting up the unit.

P. S. J. 02/01/2019
Member Secretary, Asstt. Env. Engineer, EIM Cell & I/C.
West Bengal Pollution Control Board

SUBHAM OILS & RESINS (P) LTD.
[Signature]
Director

Annexure-10

The Telegraph

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notice

It is for information
that Subham Oils and
Resins Private Limited is
being accorded Environ-
mental Clearance from
MOEF, Govt. of India vide
E. No. J-11911/351/2010-
IA II (D), dttd. 22.03.2013 for
production of Alkyd
Resin (1500 TPA) at
Village- Surjput, Tehsil
Barackpore, Dist. North
24Pgs, West Bengal. More
information available
with WB.P.C.B. &
M.O.E.E. Web site of :
<http://envfoznic.in>

change of name

I under sign Tahamina
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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.

Know all by virtue of an
affidavit sworn on
25.03.2013 before the I.A.
Executive Magistrate at
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in place of Suproba
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Chairman of AICTE
year 2012

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Centre Bhuban, Block 11D-115A, 4th Floor, Sector - 21,

Salt Lake, Kolkata - 700 096

Telephone No. 93-2737 0262

Website : www.seiaa-jh.gov.in

No. 1951/ENT/II-1/042/2015

Date : 05/09/2016

To
M/s. Subham Oils & Resins Pvt. Ltd.
183, Bangur Avenue, Block - B
Kolkata - 700 055

SUB : Environmental Clearance for the proposed expansion of resin & allied chemical manufacturing unit by M/s. Subham Oils & Resins Pvt. Ltd. at JL no-15; plot no- 650/780, 636/781, 636/861, Vill+Mouza-Navarand, PO-Suryapur, PS-Titagarh, Sewli gram panchayet, Dist-North 24 Pgs, West Bengal.

Sir,

This has a reference to your application submitted on 28/07/2015 and subsequent communications for environmental clearance for the proposed expansion of resin & allied chemical manufacturing unit by M/s. Subham Oils & Resins Pvt. Ltd. at JL no-15, plot no- 650/780,636/781,636/861, Vill + Mouza- Navarand, PO - Suryapur, PS - Titagarh, Sewli gram panchayet, Dist-North 24 Pgs, West Behgal.

The proposal has been examined and processed in accordance with the EIA Notification, 2006. It is noted that the proposed proposal is for expansion of alkyd resin and allied chemicals manufacturing unit from 2010 TPA to 11100 TPA. The unit has obtained Environmental Clearance for the existing project from MOEF & CC vide E.No-J-11011/551/2010-IA-II(I) dated 22.03.2013.

It is noted that the salient features of the project for which Environmental clearance has been considered are given below:-

- (a) Location of the Site -- JL no-15, plot no-650/780,636/781,636/861, Vill+Mouza-Navarand, PO – Suryapur, PS-Titagarh, Sewli gram panchayet, Dist-North 24 Pgs.
- (b) Land Area – 1.172 acre (Existing-0.670 acre, additional-0.502 acre).
- (c) Latitude & Longitude - 22°44'30.57"N & 88°24'46.49"E
- (d) Additional Production Capacity – see annexure I.
- (e) Total Water requirement – Industrial - 2 KLD, Domestic-1 KLD, Gardening-1 KLD
- (f) Total Waste water generation—Industrial-0.35 KLD, Domestic-0.89 KLD
- (g) Wastewater treatment— Industrial waste water generated from unit to be treated in adequate capacity ETP. The unit shall maintain zero waste water discharge.
- (h) Proposed Emission sources – Thermic fluid heater (HSD fired)- 1x6 lac Kcal/hr & 1x4 lac Kcal/hr, Reactor-2x6 T, 1x5 T,1x4 T & 1x1T and 1 no. steam boiler (HSD fired).
- (i) Air pollution Control system- Reaction kettles to be provided with wet scrubber and stack of ht. 30m from GI, and TFH & boiler to be provided with stack of ht. 30m from GI.
- (j) Solid waste/sludge generated from ETP & other liquidous waste to be sent to WBI-VMI Haldia.
- (k) Additional Power Requirement - 60 KVA (existing) & existing -22 KVA
- (l) Total Circuits - 73% of load area.
- (m) Back-up power - Additional DG sets - 1x125 KVA & 1x250 KVA.

SUBHAM OILS & RESINS (P) LTD.


Director

Condition for Environmental Clearance for the proposed manufacture of resin & allied chemical materials by M/s. Subham Oils & Resins (P) Ltd. at Plot No. 15, plot no. 650, Street No. 33, 3rd Hill, Mount-National PO, Barapada, PS. Barapada, Balasore, Dist. North 24 Pgs. West Bengal.

State Level Environment Impact Assessment Authority (SLEIAA) examined the proposal and also perused recommendations of the State Level Expert Appraisal Committee (SEAC). After due consideration of the project proposal and the recommendations of the State Level Expert Appraisal Committee (SEAC), the State Level Environment Impact Assessment Authority accords Environmental Clearance to the project as per provisions of the EIA notification no. S.O. 1533 (E) dt. 14th September, 2006 of the Ministry of Environment, Forests & Climate Change, GOI, subject to strict compliance of terms and conditions as mentioned below :-

A. SPECIFIC CONDITIONS:

- i. The gaseous emissions from various process units should conform to the load / mass based standards prescribed by the Ministry of Environment & Forests and the State Pollution Control Board from time to time. National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended time to time shall be followed by the unit. At no time the emission level should go beyond the prescribed standards.
- ii. Proposed boiler, TFH are reactors should be provided with stack of height 30 m from GL as proposed. Stack emissions should be monitored at regular intervals and records should be maintained.
- iii. Ambient air quality data shall be collected as per NAAQS standards notified by the Ministry vide G.S.R / No. 826(E) dated 16th September, 2009. The levels of PM₁₀, PM_{2.5}, SO₂, NO_x, VOC, NH₃ and HCl shall be monitored in the ambient air and emissions from the stacks and displayed at a convenient location near the main gate of the company and at important public places. The company shall upload the results of monitored data on its website and shall update the same periodically. It shall simultaneously be sent to the Regional office of WBPCB.
- iv. In plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fugitive emissions shall be controlled by providing closed storage, closed handling & conveyance of chemicals/materials and water sprinkling. Adequate stack height would be provided for wider dispersion of gaseous emissions and regular stack monitoring would be done as per CPCB guidelines.
- v. For further control of fugitive emissions, following steps shall be followed :
 1. Closed handling system shall be provided for chemicals.
 2. Reflux condenser shall be provided over reactor.
 3. System of leak detection and repair of pump/pipeline based on preventive maintenance.
 4. All the raw materials are stored in tanks/drums in isolated/ designated storage area and are kept tightly closed.
- vi. Groundwater shall be abstracted as per permission obtained from the competent authority as per The West Bengal Ground Water Resources (Management, Control and Regulation) Act: 2005.
- vii. In case of treatment process disturbances/failure of pollution control equipment adopted by the unit, the respective unit shall be shut down and shall not be restarted until the control measures are rectified to achieve the desired efficiency.
- viii. The unit shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. The unit shall maintain proper inventory of hazardous chemicals and keeps the buffer stock as minimum as possible to reduce possibility and magnitude of environmental hazards.
- ix. As proposed, rain water should be stored in 280 KL capacity storage tanks as proposed to use the stored water for plantation, firefighting, washing & cleaning etc. Recharging of ground water is not permitted.

SUBHAM OILS & RESINS (P) LTD.


Director

Conditions for Environmental Clearance for the proposed expansion of resin & allied chemical manufacturing unit by M/s. Subham Oils & Resins Pvt. Ltd. at J.L. no-15, plot no-430/780/336/381, 536/361, Vill - Monza-Navarand, PO-Suryapur, PS-Turaguh Sewit gram panchayet, Dist- North 24 Pgs, West Bengal.

- x. Waste water generated from the project will be treated in ETP. Cooling water shall be recycled within factory premises. As proposed, the unit shall maintain zero waste water discharge.
- xi. Continuous and regular monitoring of both the ETP should be carried out and monitoring report to be submitted in WBPCB's regional office.
- xii. The project proponent should take proper precautionary measures against release / escape of effluents due to inclement weather situations like heavy rains etc. There should be a peripheral drain system for arresting any liquid effluent that may overflow/ spill over and this drain must be suitably connected to the ETP.
- xiii. The hazardous wastes generated to be stored and handled as per the Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008. The unit shall provide isolated area for the hazardous waste storage within the premises.
- xiv. The unit shall undertake following waste minimization measures :-
 - a. Metering and control of quantities of active ingredients to minimize waste.
 - b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
 - c. Use of automated filling to minimize spillage.
 - d. Use of Close Feed system into batch reactors.
 - e. Venting equipment through vapour recovery system.
 - f. Use of high pressure hoses/ jet pumps for equipment cleaning to reduce wastewater generation.
- xv. Storage/ loading/unloading should be done over impervious floor so that no leakage to soil under the premises can take place.

Storage should be done in a well-ventilated region-allowing no accumulation of vapors.
- xvi. Ambient noise level should not exceed the permissible limit. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dB(A) Leq (daytime) and 70 dB(A) Leq (nighttime) and its subsequent amendments.
- xvii. Green belt shall be developed within and around the plant premises. At least 33% of the land area should be covered by plantation. At least 110 nos. of plants to be planted. Indicative list of species is given at Annexure - II. The landscape planning should include plantation of native species. The species with heavy foliage and wide canopy cover are desirable.
- xviii. All internal roads should be concreted / pitched. Proper lighting and proper pathway inside the factory premises should be constructed to ensure safe vehicular movement. Provision of separate pathway for entry and exit of vehicles should be considered. Vehicles should conform to pollution under control (PUC) norms. Proper house keeping shall be maintained within the premises. Solar lighting should be used as far as practicable.
- xix. Emergency preparedness plan should be in place for accidental releases and failures of any vessel/ equipment used in the process.
- xx. Health and safety of workers should be ensured. Workers should be provided with adequate personnel protective equipment and sanitation facilities. Occupational Health Surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- xxi. Adequate measures to be adopted to ensure industrial safety. Proper fire detection & protection systems to be provided to control fire and explosion hazards.
- xxii. The implementation and monitoring of Environmental Management Plan should be carried out, as proposed.
- xxiii. The Corporate Social Responsibility Plan with specific financial commitment should be

SUBHAM OILS & RESINS (P) LTD.

Director

Conditions for Environmental Clearance for the proposed expansion of resin & allied chemical manufacturing unit by M/s Subham Oils & Resins Pvt. Ltd. at JL no-15, plot no-650/780,656/781,636/861, Vill+Mouza-Navarand, PO-Suryapur, PS-Titagarh, Sewli gram panchayat, Dist-North 24 Pgs, West Bengal.

implemented for the proposed project. Atleast 5% of the project cost should be utilised for Corporate Social Responsibility programmes. CSR activities shall be undertaken by involving local villages and administration.

B. GENERAL CONDITIONS :

- i. The environmental clearance accorded shall be valid for a period of 7 years for the proposed project.
- ii. Prior Consent-to-Establish (NOC) for the proposed expansion project must be obtained from WBPCB before commencement of construction. All other statutory clearances should be obtained by project proponent from the competent authorities.
- iii. The project proponent shall comply with all the environmental protection measures and safeguards recommended. Further, the unit must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.
- iv. All the conditions, liabilities and legal provisions contained in the EC shall be equally applicable to the successor management of the project in the event of the project proponent transferring the ownership, maintenance of management of the project to any other entity.
- v. Provision should be made for the supply of kerosene or cooking gas to the labourers during construction phase. All the labourers to be engaged for construction works should be screened for health and adequately treated before issue of work permits. Environmental sanitation should be ensured for the workers.
- vi. The project proponent should make financial provision in the total budget of the project for implementation of the environmental safeguards. The project authorities will provide requisite funds both recurring and non-recurring to implement the conditions stipulated by the SEIAA, West Bengal along with the implementation schedule for all the conditions stipulated herein. The funds so provided should not be diverted for any other purpose.
- vii. No further expansion or modifications in the plant should be carried out without prior approval of the State Environmental Impact Assessment Authority, West Bengal. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by the SEIAA, West Bengal.
- viii. The West Bengal Pollution Control Board, who would be monitoring the implementation of environmental safeguards, should be given full cooperation, facilities and documents / data by the project proponents during their inspection. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to the WBPCB regularly. A complete set of all the documents should also be forwarded to the State Level Environment Impact Assessment Authority, West Bengal.
- ix. The Project Proponent should inform the public that the project has been accorded environmental clearance by the SEIAA, West Bengal and copies of the clearance letter are available with the State Pollution Control Board/Committee and may also be seen at Website of the SEIAA, West Bengal (<http://environmentwb.gov.in>). This should 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.
- x. The Project Authorities should inform the State Pollution Control Board as well as the SEIAA, West Bengal, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work project implementation.
- xi. The above stipulations would be enforced along with those under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous Waste (Management Handling and

SUBHAM OILS & RESINS (P) LTD.


Director

Conditions for Environmental Clearance for the proposed expansion of resin & allied chemical manufacturing unit by M/s. Subham Oils & Resins Pvt Ltd at JL no-15, plot no-650/780/626/81/236/861, Vill. Motiza-Nayarand, PO. Suryapur, PS-Titagarh, Sewli gram panchayat Dist-North 24 Pgs. West Bengal

(transboundary Movement) Rules, 2009, the Public Liability Insurance Act, 1991, the Environment Impact Assessment Notification 2006 and their amendments.

- xii. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report.
- xiii. A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
- xiv. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
- xv. The contact details of the proponent and the name of the consultant are given below -

Name of the Contact person with Designation	Shri Sujit Kumar Modi, Director
Address	183, Bangur Avenue, Block - B Kolkata - 700 055
Email	sjtmodi@yahoo.co.in psepl.env@gmail.com
Telephone Number, Fax Number	8100226446/9339226446
Name of the Consultant	M/s. Pacific Scientific Consultancy Pvt. Ltd.

Chief Environment Officer &
Member Secretary, SEIAA

Date : 05 / 09 / 2016

No. 1951 /EN/T-II-1/042 /2015 /1(4)

Copy forwarded to :-

1. Secretary, SEAC & M.S. WBPCB
2. Officer-in-Charge, Regional Office (Eastern Zone), Ministry of Environment & Forests, Government of India, A-3, Chandrashekharpur, Bhubaneswar - 751 023, Orissa.
3. Chief Inspector of Factories, Factories Directorate, 1, K.S. Roy Road, Kolkata - 700 001.
4. Guard file / Record file.

SJ/-
Chief Environment Officer &
Member Secretary, SEIAA

SUBHAM OILS & RESINS (P) LTD.

Director

Conditions for Environmental Clearance for the proposed expansion of resin & allied chemical manufacturing unit by M/s. Subham Oils & Resins Pvt. Ltd. at Pl. no-15, plot no-650/780,636/781,636/861, Vill- Mouza-Navarand, PO Suryapur, PS-Titagarh, Sewri gram panchayat, Dist- North 24 Pgs, West Bengal.

Annexure -II

LIST OF TREES PROPOSED FOR PLANTATION

Sl. No.	BOTANICAL NAME	COMMON NAME	QUANTITY
1.	<i>Polyalthia longifolia</i>	Debdaru	50
2.	<i>Mimusops elengi</i>	Bakul	25
3.	<i>Alstonia scholaris</i>	Chhatim	15
4.	<i>Delonix regia</i>	Gulmohor	10
5.	<i>Anthocephalus cadamba</i>	Kadam	5
6.	<i>Azadirachta indica</i>	Neem	5
		Total	110

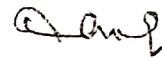
SUBHAM OILS & RESINS (P) LTD.


Director

Conditions for Environmental Clearance for the proposal expansion of resin & allied chemical manufacturing unit by M/s. Subham Oils & Resins Pvt. Ltd. at 51/50-15, plot no- 630, 89/635, 781, 636 SAI, 1st, 1st, Aluzza-Nawaband, P.O. Suryapur, PS-Itanagarh South gram panchayat, Dist- North 24 Pgs, West Bengal

Summary of products list (Annexure D)

Sl. No.	Products	Existing capacity (TPA)	Additional capacity (TPA)
1.	Alkyd resin	1500	4800
2.	Thickening of strand, linseed oil	510	-----
3.	Maleic resin	-----	600
4.	Phenolic resin	-----	300
5.	CNSL resin	-----	920
6.	Acrylic resin	-----	900
7.	Easter resin	-----	300
8.	Polyamide resin	-----	300
9.	Acrylic emulsion	-----	2400
10.	Pine & turpentine allied products	-----	200
11.	Epoxy resin	-----	380



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Director