

# **SIX MONTHLY COMPLIANCE REPORT**

**PERIOD: OCTOBER 2022 to MARCH 2023**

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



**Prepared by:**

***SUBHAM OILS & RESINS PVT. LTD.***

**Village Surjpur, Tehsil Barrackpore, 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 meantime 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 2022 to March 2023.

**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 22<sup>nd</sup> March, 2013**

**Project Code: 110-250**

**Period of Compliance Report: October 2022 to March 2023**

**A. SPECIFIC CONDITIONS:**

| SI  | COMPLIANCE CONDITION                                                                                                                                                                | COMPLIANCE STATUS                                                                                                                                                                                                           |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| i   | Regular monitoring of Volatile Organic Compounds (VOCs) should be carried out                                                                                                       | The proponent has done the monitoring of volatile organic compounds (voc) inside the factory premises as per the requirement of the EC condition.                                                                           |
| ii  | Stack of adequate height should be installed to oil fired boiler to disperse waste gases into atmosphere.                                                                           | An adequate height has been provided to stack of boiler to disperse waste gases into the atmosphere.<br><br>The test report is shown in <b>Annexure – 1.</b>                                                                |
| 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 | Proper monitoring has been carried out to monitor the fugitive emissions in different places like work zone environment, product, raw materials storage area etc.<br><br>The test reports are shown in <b>Annexure – 3.</b> |

|     |                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                          |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| iv  | Wet scrubber should be provided to control process emissions. Methanol should be recovered from the process area.                                                                                                                                                                                              | Wet scrubber has been provided to control process emissions. The essential hood is fitted mouth of the charging door. Methanol recovery is not applicable in this unit.                                                                                                                  |
| v   | The total water requirement should not exceed 0.4m <sup>3</sup> /day and prior permission shall be obtained from the concerned Authority.                                                                                                                                                                      | Water is required only in cooling process and water does not required in processing.<br><br>The water consumption of water is in limit.                                                                                                                                                  |
| 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 proponent has installed the E.T.P and it running well.<br><br>Different types of methods are implemented to treat the effluent water like activated sludge process and tertiary treatment.<br><br>The treated water is used in different domestic purpose.<br><b>See Annexure 4.</b> |
| vii | The company should obtain Authorization for collection, storage and disposal of hazardous waste under the Hazardous Waste (Management, Handling and                                                                                                                                                            | Authorization has been obtained for collection, storage and disposal of hazardous waste under hazardous waste under the Hazardous Waste (Management, Handling & Trans-Boundary Movement) Rules. The                                                                                      |

|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                   |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | <p>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.</p>                                                                                                                                                                                                                                                                                                                                       | <p>waste is given to WBPCB authorize agency as per agreement done with that agency</p>                                                                                                                                                                                                                            |
| viii | <p>Solvent Management should be as follows:</p> <ul style="list-style-type: none"><li>• Reactor should be connected to chilled brine condenser system.</li><li>• Reactor and solvent handling pump should have mechanical seal to prevent leakages.</li><li>• The condensers should be provided with sufficient Heat Transfer Area. (HTA) and residence time so as to achieve more than 95% recovery.</li><li>• Solvents should be stored in a separate space specified with all safety measures.</li><li>• Proper earthing should be provided in all the electrical equipment's wherever solvent handling is done.</li></ul> | <p>The proponent has followed all the safety measures as per the conditions mentioned above.</p> <p>All the chemicals are kept in earmarked area as per the direction on EC.</p> <p>Flame proof Solvents are used in the entire plant. Solvent storage tank is provided with breather valve to prevent losses</p> |

|     |                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                   |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|     | 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.                                                                                                                   | The factory has prepared a green belt development plan and accordingly all the actions are taken to meet the at least 33 % of the plant area.<br><br>The evidence is given in the pictures.       |
| x   | Occupational health surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act.                                                                                                                                                               | The occupational health surveillance of the workers has been done on a regular basis.<br><br>All the workers are covered under ESI scheme and essential medical checkup is done in ESI hospitals. |
| 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 labor within the site with all                                                                                                                                                                                                                | The proponent has provided all the necessary infrastructure was provided to the workers at the time                                                                                               |

|  |                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                     |
|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | 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. | of construction work.<br><br>The proponent has provided essential drinking water, medical facilities and other amenities to the worker. Temporary structure of labor hutment will be removed after completion of the Project in the expansion unit. |
|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### B. GENERAL CONDITIONS

| SI  | COMPLIANCE CONDITIONS                                                                                                                      | COMPLIANCE STATUS                                                                                                                               |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| i   | Ambient air quality data should be collected as per NAAQS standards notified by the Ministry on 16hSeptember,2009.                         | The proponent has done the monitoring of ambient air quality in every six month as per the condition stipulated.<br><br>See <b>Annexure – 2</b> |
| 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 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. | Without getting any prior permission from Ministry of Environment and Forests, there will be no further expansion or modification in the plant. |
| iv  | At least four ambient air quality monitoring stations should be established in the                                                         | In the predominant direction, Ambient air quality monitoring stations has been installed at different locations.                                |

|    |                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                      |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | downward direction as well as where maximum ground level concentration of PM <sub>10</sub> , SO <sub>2</sub> and NO <sub>x</sub> 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 offices at Bhubhaneswar and the SPCB/CPCB once in Six months. | The monitoring is done once in every six months. See <b>Annexure2</b> . The Stack emission and Ambient Air Quality monitoring report are submitted regularly to MoEF Bhubaneswar and the SPCB once in six months.                                                    |
| v  | Industrial waste water shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 <sup>th</sup> May, 1993 and 31 <sup>st</sup> December, 1993 or as amended from time to time. The treated waste water shall be utilized for plantation purpose.                                                                | The main source of water is generated by condenser in condensate form in the unit. There is also other waste water from domestic discharge. The domestic discharge water 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 acoustichoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards                                                                       | The proponent has maintained the overall noise level in and around the plant within the limits under EPA rules, 1989 viz. 75 dBA (daytime) & 70 dBA (night time). In this unit all necessary measures are taken to control the noise level. <b>See Annexure – 5.</b> |

|      |                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                        |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | prescribed under EPA Rules, 1989 viz. 75 dBA (day time) and- 70 dBA(night time).                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                        |
| vii  | Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act                                                                                                                                                                                                                     | The occupational health surveillance of the workers has been done on a regular basis.<br>All the workers are covered under ESI scheme and essential medical checkup is done in ESI hospitals.                                                                                                                                                                                                          |
| 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 proponent has installed rain water harvesting system inside the plant premises.                                                                                                                                                                                                                                                                                                                    |
| 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 programs, educational programs, drinking water supply and health care etc. | The proponent has followed all the safety measures as per the conditions mentioned above. All the chemicals are kept in earmarked area as per the direction of EC.<br>Beside this the unit has taken part in the social activities in the surrounding villagers.<br>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                                                                                                                                                | Necessary funds are kept towards capital cost & recurring cost/annum For Environmental Pollution Control measures in line with the guidelines of State Pollution Control Board.                                                                                                                                                                                                                        |

|     |                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                               |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|     | <p>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.</p>                                                                              |                                                                                                                                                                               |
| xi  | <p>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 whomsuggestion /representations, if any, were received while processing the proposal. The clearance letter shall also be put onthe web site of the company by the proponent.</p> | <p>The clearance copy is given to the concerned Panchayet. The suggestion/representation is taken care of. Also the clearance letter is put on the website of the company</p> |
| xii | <p>The project proponent shall upload thestatus of compliance of the stipulated environment clearance conditions,including results of monitored data ontheir website and shall update the sameperiodically. It shall simultaneously besent to the Regional Office of the MOEFat Bhubaneswar. The respective</p>                                            | <p>The project proponent has uploaded the status of compliance to the regional office of the MOEFat Bhubaneswar. The respective ZonalOffice of CPCB and the SPCB</p>          |

|      |                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                              |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | <p>Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM<sub>10</sub>, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels as well as stack emissions) or critical sectorial parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain</p>                                                                 |                                                                                                                                                              |
| xiii | <p>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.</p> | <p>The condition is complied herewith</p>                                                                                                                    |
| xiv  | <p>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</p>                                                                                                                                                           | <p>The Environmental Statement for the year ending 31<sup>st</sup> March is made and submitted in due course as per Environment (Protection) Rules, 1986</p> |

|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                        |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
|     | 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 Ministry of Environment and Forest at <a href="http://envfor.nic.in">http://envfor.nic.in</a> . This shall be advertised within seven days from the date of issue of the clearance letter, at least two local newspapers that are widely circulated in the region of which one shall be in 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 compiled & copy of the advertisement is given in <b>Annexure – 7.</b>           |
| xvi | Project authorities shall 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 <b>Annexure-8</b> |



## Annexure 1

**ENVIROCHECK**Recognised by MoEF&CC, WBPCB & JSPCB  
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                               | : | 23.03.2023                        |
|                           |   |                                                                       | Period of Analysis                          | : | 24.03.2023 – 25.03.2023           |
|                           |   |                                                                       | Date of Issue                               | : | 25.03.2023                        |
| Sampling Plan & Procedure | : | ENV/SOP/01                                                            | Deviation from the Sampling Method and Plan | : | No                                |
| Sample Condition          | : | Sealed                                                                | Sample ID No.                               | : | ENV/57/March/A/II                 |
|                           |   |                                                                       | Report No.                                  | : | ENV/57/March/TR(A)/II/22-23       |
|                           |   |                                                                       | Type of Sample                              | : | Stack Emission                    |

**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.            | --                                                                                                 | 756.0   | N.A.  |
| 3.      | Velocity of Gas flow                | m/s                  | IS : 11255 (Part 3)                                                                                | 8.12    | N.A.  |
| 4.      | Quantity of Gas flow                | Nm <sup>3</sup> /hr. | IS : 11255 (Part III)                                                                              | 1826.38 | N.A.  |
| 5.      | Concentration of Particulate Matter | mg/Nm <sup>3</sup>   | IS 11255 (Part – 1) : 2019 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol.11.07) : 2017 | 21.50   | 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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 Overseas : UAE ■ Qatar ■ Netherlands



# ENVIROCHECK

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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                               | : | 23.03.2023                        |
|                           |   |                                                                       | Period of Analysis                          | : | 24.03.2023 – 25.03.2023           |
|                           |   |                                                                       | Date of Issue                               | : | 25.03.2023                        |
| Sampling Plan & Procedure | : | ENV/SOP/01                                                            | Deviation from the Sampling Method and Plan | : | No                                |
| Sample Condition          | : | Sealed                                                                | Sample ID No.                               | : | ENV/57/March/A/I                  |
|                           |   |                                                                       | Report No.                                  | : | ENV/57/March/TR(A)/I/22-23        |
|                           |   |                                                                       | Type of Sample                              | : | Stack Emission                    |

### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

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

### B. RESULTS

| SL. NO. | PARAMETERS                          | UNIT                 | METHOD NO.                                                                                         | RESULTS   | LIMIT |
|---------|-------------------------------------|----------------------|----------------------------------------------------------------------------------------------------|-----------|-------|
| 1.      | Flue Gas Temperature                | °C                   | IS : 11255 (Part 1)                                                                                | : 128.0   | N.A.  |
| 2.      | Barometric Pressure                 | mm of Hg.            | --                                                                                                 | : 756.0   | N.A.  |
| 3.      | Velocity of Gas flow                | m/s                  | IS : 11255 (Part 3)                                                                                | : 10.19   | N.A.  |
| 4.      | Quantity of Gas flow                | Nm <sup>3</sup> /hr. | IS : 11255 (Part III)                                                                              | : 1914.38 | N.A.  |
| 5.      | Concentration of SO <sub>2</sub>    | mg/Nm <sup>3</sup>   | IS 11255 (Part 2) : 2019                                                                           | : <0.1    | N.A.  |
| 6.      | Concentration of CO <sub>2</sub>    | % (v/v)              | IS 13270 : 2019                                                                                    | : 5.6     | N.A.  |
| 7.      | Concentration of CO                 | % (v/v)              | IS 13270 : 2019                                                                                    | : <1.0    | 1.0   |
| 8.      | Concentration of Particulate Matter | mg/Nm <sup>3</sup>   | IS 11255 (Part – 1) : 2019 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol 11.07) : 2017 | : 14.85   | 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  
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Overseas : UAE ■ Qatar ■ Netherlands



# ENVIROCHECK

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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                               | : | 23.03.2023                        |
|                           |   |                                                                       | Period of Analysis                          | : | 24.03.2023 – 25.03.2023           |
|                           |   |                                                                       | Date of Issue                               | : | 25.03.2023                        |
| Sampling Plan & Procedure | : | ENV/SOP/01                                                            | Deviation from the Sampling Method and Plan | : | No                                |
| Sample Condition          | : | Sealed                                                                | Sample ID No.                               | : | ENV/57/March/A/III                |
|                           |   |                                                                       | Report No.                                  | : | ENV/57/March/TR(A)/III/22-23      |
|                           |   |                                                                       | Type of Sample                              | : | Stack Emission                    |

### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

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

### B. RESULTS

| SL. NO. | PARAMETERS                          | UNIT                 | METHOD NO.                                                                                         | RESULTS | LIMIT |
|---------|-------------------------------------|----------------------|----------------------------------------------------------------------------------------------------|---------|-------|
| 1.      | Flue Gas Temperature                | °C                   | IS : 11255 (Part 1)                                                                                | 184.0   | N.A.  |
| 2.      | Barometric Pressure                 | mm of Hg.            | --                                                                                                 | 756.0   | N.A.  |
| 3.      | Velocity of Gas flow                | m/s                  | IS : 11255 (Part 3)                                                                                | 13.15   | N.A.  |
| 4.      | Quantity of Gas flow                | Nm <sup>3</sup> /hr. | IS : 11255 (Part III)                                                                              | 248.53  | N.A.  |
| 5.      | Concentration of SO <sub>2</sub>    | mg/Nm <sup>3</sup>   | IS 11255 (Part 2) : 2019                                                                           | 28.26   | N.A.  |
| 6.      | Concentration of CO <sub>2</sub>    | % (v/v)              | IS 13270 : 2019                                                                                    | 8.8     | N.A.  |
| 7.      | Concentration of CO                 | % (v/v)              | IS 13270 : 2019                                                                                    | <1.0    | 1.0   |
| 8.      | Concentration of Particulate Matter | mg/Nm <sup>3</sup>   | IS 11255 (Part – 1) : 2019 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol 11.07) : 2017 | 36.20   | 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 :

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Overseas : UAE ■ Qatar ■ Netherlands



## Annexure 2

**ENVIROCHECK**Recognised by MoEF&CC, WBPCB & JSPCB  
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                               | : | 23.03.2023 – 24.03.2023           |
|                           |   |                                                                       | Period of Analysis                          | : | 24.03.2023 – 25.03.2023           |
|                           |   |                                                                       | Date of Issue                               | : | 25.03.2023                        |
| Sampling Plan & Procedure | : | ENV/SOP/01                                                            | Deviation from the Sampling Method and Plan | : | No                                |
| Sample Condition          | : | Sealed                                                                | Sample ID No.                               | : | ENV/57/March/A/IV                 |
|                           |   |                                                                       | Report No.                                  | : | ENV/57/March/TR(A)/IV/22-23       |
|                           |   |                                                                       | Type of Sample                              | : | Ambient Air                       |

**A] GENERAL INFORMATION**

1. Location of Sampling : Back Side of the Plant
2. Duration of Sampling : 24 hrs. (09:00 a.m. – 09:00 a.m.)

**B] METEOROLOGICAL INFORMATION**

1. Average Temperature (°C) : 27.0
2. Average Relative Humidity (%) : 72.0
3. Barometric Pressure (mm of Hg) : 756.0
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 <sub>2.5</sub>       | µg/m <sup>3</sup> | IS 5182 (Part 24) : 2019                                                                                          | 49.50   | 60.0  |
| 2.      | Concentration of PM <sub>10</sub>        | µg/m <sup>3</sup> | IS 5182 (PART 23) : 2019                                                                                          | 86.29   | 100.0 |
| 3.      | Concentration of SO <sub>2</sub>         | µg/m <sup>3</sup> | IS 5182 (Part 2) 2017 & ASTM D 2914-01, Sec. 11 (Vol. 11.07) : 2017                                               | 12.60   | 80.0  |
| 4.      | Concentration of NO <sub>2</sub>         | µg/m <sup>3</sup> | IS 5182 (Part 6) 2017 & ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018                                              | 30.02   | 80.0  |
| 5.      | Concentration of CO                      | mg/m <sup>3</sup> | IS 5182 (Part 10) : 2019                                                                                          | 0.26    | 2.0   |
| 6.      | Concentration of Pb                      | µg/m <sup>3</sup> | IS 5182 (Part 22) : 2019                                                                                          | <0.01   | 1.0   |
| 7.      | Benzo (a) Pyrene (BaP)                   | ng/m <sup>3</sup> | IS 5182 (Part 12) : 2019 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021/ASTM D 6209-98, Sec. 11 (Vo. 11.07) : 2021 | <0.36   | 1.0   |
| 8.      | Benzene (C <sub>6</sub> H <sub>6</sub> ) | µg/m <sup>3</sup> | IS 5182 (Part 11) 2017 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021                                              | <0.74   | 5.0   |
| 9.      | Ozone (O <sub>3</sub> )                  | µg/m <sup>3</sup> | IS 5182 (Part-9) : 2019                                                                                           | <10.0   | 100.0 |
| 10.     | Ammonia (NH <sub>3</sub> )               | µg/m <sup>3</sup> | IS 5182 (Part 25) : 2018                                                                                          | <4.18   | 400.0 |
| 11.     | Nickel (Ni)                              | ng/m <sup>3</sup> | EPA IO 3.2, 1999                                                                                                  | <0.02   | 20.0  |
| 12.     | Arsenic (As)                             | ng/m <sup>3</sup> | EPA IO 3.2, 1999 & APHA 23 <sup>rd</sup> Ed 3114C : 2017                                                          | <0.01   | 6.0   |

Remarks : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18<sup>th</sup> November, 2009.  
: Result relates only to the sample tested.

**Reviewed By :**DURBADAL CHAKRABORTY  
Dy. Quality Manager**Authorised Signatory :**Dr. SUMIT CHOWDHURY  
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 Overseas : UAE ■ Qatar ■ Netherlands



## 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                               | : | 23.03.2023 – 24.03.2023           |
|                           |   |                                                                       | Period of Analysis                          | : | 24.03.2023 – 25.03.2023           |
|                           |   |                                                                       | Date of Issue                               | : | 25.03.2023                        |
| Sampling Plan & Procedure | : | ENV/SOP/01                                                            | Deviation from the Sampling Method and Plan | : | No                                |
| Sample Condition          | : | Sealed                                                                | Sample ID No.                               | : | ENV/57/March/A/V                  |
|                           |   |                                                                       | Report No.                                  | : | ENV/57/March/TR(A)/V/22-23        |
|                           |   |                                                                       | Type of Sample                              | : | Ambient Air                       |

### A] GENERAL INFORMATION

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

### B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 27.0
2. Average Relative Humidity (%) : 72.0
3. Barometric Pressure (mm of Hg) : 756.0
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 <sub>2.5</sub>       | µg/m <sup>3</sup> | IS 5182 (Part 24) : 2019                                                                                          | 49.56   | 60.0  |
| 2.      | Concentration of PM <sub>10</sub>        | µg/m <sup>3</sup> | IS 5182 (PART 23) : 2019                                                                                          | 80.12   | 100.0 |
| 3.      | Concentration of SO <sub>2</sub>         | µg/m <sup>3</sup> | IS 5182 (Part 2) 2017 & ASTM D 2914-01, Sec. 11 (Vol. 11.07) : 2017                                               | 7.20    | 80.0  |
| 4.      | Concentration of NO <sub>2</sub>         | µg/m <sup>3</sup> | IS 5182 (Part 6) 2017 & ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018                                              | 25.0    | 80.0  |
| 5.      | Concentration of CO                      | mg/m <sup>3</sup> | IS 5182 (Part 10) : 2019                                                                                          | 0.16    | 2.0   |
| 6.      | Concentration of Pb                      | µg/m <sup>3</sup> | IS 5182 (Part 22) : 2019                                                                                          | <0.01   | 1.0   |
| 7.      | Benzo (a) Pyrene (BaP)                   | ng/m <sup>3</sup> | IS 5182 (Part 12) : 2019 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021/ASTM D 6209-98, Sec. 11 (Vo. 11.07) : 2021 | <0.36   | 1.0   |
| 8.      | Benzene (C <sub>6</sub> H <sub>6</sub> ) | µg/m <sup>3</sup> | IS 5182 (Part 11) 2017 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021                                              | <0.74   | 5.0   |
| 9.      | Ozone (O <sub>3</sub> )                  | µg/m <sup>3</sup> | IS 5182 (Part-9) : 2019                                                                                           | <10.0   | 100.0 |
| 10.     | Ammonia (NH <sub>3</sub> )               | µg/m <sup>3</sup> | IS 5182 (Part 25) : 2018                                                                                          | <4.18   | 400.0 |
| 11.     | Nickel (Ni)                              | ng/m <sup>3</sup> | EPA IO 3.2, 1999                                                                                                  | <0.02   | 20.0  |
| 12.     | Arsenic (As)                             | ng/m <sup>3</sup> | EPA IO 3.2, 1999 & APHA 23 <sup>rd</sup> Ed 3114C : 2017                                                          | <0.01   | 6.0   |

Remarks : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18<sup>th</sup> November, 2009.  
: Result relates only to the sample tested.

Reviewed By :

DURBADAL CHAKRABORTY  
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Overseas : UAE ■ Qatar ■ Netherlands



# ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB  
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                               | : | 23.03.2023 - 24.03.2023           |
|                           |   |                                                                       | Period of Analysis                          | : | 24.03.2023 - 25.03.2023           |
|                           |   |                                                                       | Date of Issue                               | : | 25.03.2023                        |
| Sampling Plan & Procedure | : | ENV/SOP/01                                                            | Deviation from the Sampling Method and Plan | : | No                                |
| Sample Condition          | : | Sealed                                                                | Sample ID No.                               | : | ENV/57/March/A/VI                 |
|                           |   |                                                                       | Report No.                                  | : | ENV/57/March/TR(A)/VI/22-23       |
|                           |   |                                                                       | Type of Sample                              | : | Ambient Air                       |

### A] GENERAL INFORMATION

1. Location of Sampling : East Side of the Plant
2. Duration of Sampling : 24 hrs. (10:00 a.m. - 10:00 a.m.)

### B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 23.0
2. Average Relative Humidity (%) : 74.0
3. Barometric Pressure (mm of Hg) : 756.0
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 <sub>2.5</sub>       | µg/m <sup>3</sup> | IS 5182 (Part 24) : 2019                                                                                          | 43.60   | 60.0  |
| 2.      | Concentration of PM <sub>10</sub>        | µg/m <sup>3</sup> | IS 5182 (PART 23) : 2019                                                                                          | 76.26   | 100.0 |
| 3.      | Concentration of SO <sub>2</sub>         | µg/m <sup>3</sup> | IS 5182 (Part 2) 2017 & ASTM D 2914-01, Sec. 11 (Vol. 11.07) : 2017                                               | 7.20    | 80.0  |
| 4.      | Concentration of NO <sub>2</sub>         | µg/m <sup>3</sup> | IS 5182 (Part 6) 2017 & ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018                                              | 26.50   | 80.0  |
| 5.      | Concentration of CO                      | mg/m <sup>3</sup> | IS 5182 (Part 10) : 2019                                                                                          | 0.16    | 2.0   |
| 6.      | Concentration of Pb                      | µg/m <sup>3</sup> | IS 5182 (Part 22) : 2019                                                                                          | <0.01   | 1.0   |
| 7.      | Benzo (a) Pyrene (BaP)                   | ng/m <sup>3</sup> | IS 5182 (Part 12) : 2019 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021/ASTM D 6209-98, Sec. 11 (Vo. 11.07) : 2021 | <0.36   | 1.0   |
| 8.      | Benzene (C <sub>6</sub> H <sub>6</sub> ) | µg/m <sup>3</sup> | IS 5182 (Part 11) 2017 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021                                              | <0.74   | 5.0   |
| 9.      | Ozone (O <sub>3</sub> )                  | µg/m <sup>3</sup> | IS 5182 (Part-9) : 2019                                                                                           | 18.50   | 100.0 |
| 10.     | Ammonia (NH <sub>3</sub> )               | µg/m <sup>3</sup> | IS 5182 (Part 25) : 2018                                                                                          | <4.18   | 400.0 |
| 11.     | Nickel (Ni)                              | ng/m <sup>3</sup> | EPA IO 3.2, 1999                                                                                                  | <0.02   | 20.0  |
| 12.     | Arsenic (As)                             | ng/m <sup>3</sup> | EPA IO 3.2, 1999 & APHA 23 <sup>rd</sup> Ed 3114C : 2017                                                          | <0.01   | 6.0   |

Remarks : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18<sup>th</sup> November, 2009.  
: Result relates only to the sample tested.

Reviewed By :

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Dy. Quality Manager

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# ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB  
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                               | : | 23.03.2023 – 24.03.2023           |
|                           |   |                                                                       | Period of Analysis                          | : | 24.03.2023 – 25.03.2023           |
|                           |   |                                                                       | Date of Issue                               | : | 25.03.2023                        |
| Sampling Plan & Procedure | : | ENV/SOP/01                                                            | Deviation from the Sampling Method and Plan | : | No                                |
| Sample Condition          | : | Sealed                                                                | Sample ID No.                               | : | ENV/57/March/A/VII                |
|                           |   |                                                                       | Report No.                                  | : | ENV/57/March/TR(A)/VII/22-23      |
|                           |   |                                                                       | Type of Sample                              | : | Ambient Air                       |

### A] GENERAL INFORMATION

1. Location of Sampling : Near Main Gate
2. Duration of Sampling : 24 hrs. (10:30 a.m. – 10:30 a.m.)

### B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 23.0
2. Average Relative Humidity (%) : 74.0
3. Barometric Pressure (mm of Hg) : 756.0
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 <sub>2.5</sub>       | µg/m <sup>3</sup> | IS 5182 (Part 24) : 2019                                                                                          | 39.50   | 60.0  |
| 2.      | Concentration of PM <sub>10</sub>        | µg/m <sup>3</sup> | IS 5182 (PART 23) : 2019                                                                                          | 74.18   | 100.0 |
| 3.      | Concentration of SO <sub>2</sub>         | µg/m <sup>3</sup> | IS 5182 (Part 2) 2017 & ASTM D 2914-01, Sec. 11 (Vol. 11.07) : 2017                                               | 5.80    | 80.0  |
| 4.      | Concentration of NO <sub>2</sub>         | µg/m <sup>3</sup> | IS 5182 (Part 6) 2017 & ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018                                              | 23.52   | 80.0  |
| 5.      | Concentration of CO                      | mg/m <sup>3</sup> | IS 5182 (Part 10) : 2019                                                                                          | 0.15    | 2.0   |
| 6.      | Concentration of Pb                      | µg/m <sup>3</sup> | IS 5182 (Part 22) : 2019                                                                                          | <0.01   | 1.0   |
| 7.      | Benzo (a) Pyrene (BaP)                   | ng/m <sup>3</sup> | IS 5182 (Part 12) : 2019 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021/ASTM D 6209-98, Sec. 11 (Vo. 11.07) : 2021 | <0.36   | 1.0   |
| 8.      | Benzene (C <sub>6</sub> H <sub>6</sub> ) | µg/m <sup>3</sup> | IS 5182 (Part 11) 2017 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021                                              | <0.74   | 5.0   |
| 9.      | Ozone (O <sub>3</sub> )                  | µg/m <sup>3</sup> | IS 5182 (Part-9) : 2019                                                                                           | <10.0   | 100.0 |
| 10.     | Ammonia (NH <sub>3</sub> )               | µg/m <sup>3</sup> | IS 5182 (Part 25) : 2018                                                                                          | <4.18   | 400.0 |
| 11.     | Nickel (Ni)                              | ng/m <sup>3</sup> | EPA IO 3.2, 1999                                                                                                  | <0.02   | 20.0  |
| 12.     | Arsenic (As)                             | ng/m <sup>3</sup> | EPA IO 3.2, 1999 & APHA 23 <sup>rd</sup> Ed 3114C : 2017                                                          | <0.01   | 6.0   |

Remarks : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18<sup>th</sup> November, 2009.  
: Result relates only to the sample tested.

Reviewed By :

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Overseas : UAE ■ Qatar ■ Netherlands



# ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB  
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                               | : | 23.03.2023                        |
|                           |   |                                                                       | Period of Analysis                          | : | 24.03.2023 – 25.03.2023           |
|                           |   |                                                                       | Date of Issue                               | : | 25.03.2023                        |
| 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/57/March/A/VIII               |
|                           |   |                                                                       | Report No.                                  | : | ENV/57/March/TR(A)/VIII/22-23     |

### 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) : 26.0
2. Average Relative Humidity (%) : 80.0
3. Barometric Pressure (mm of Hg) : 756.0
4. Smell or Odour : No Remarkable Smell

### C] RESULT

| SL. NO. | PARAMETER            | UNIT              | METHOD NO.              | RESULT | LIMIT  |
|---------|----------------------|-------------------|-------------------------|--------|--------|
| 1.      | Concentration of SPM | µg/m <sup>3</sup> | IS 5182 (Part 4) : 2019 | 240.56 | 5000.0 |

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

Reviewed By :

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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      | :  | 23.03.2023                        |   |               |  |
|                           |   |                                                                       |                                             |   |                     | Period of Analysis | :  | 24.03.2023 – 25.03.2023           |   |               |  |
|                           |   |                                                                       |                                             |   |                     | Date of Issue      | :  | 25.03.2023                        |   |               |  |
| 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/57/March/A/VIII | Report No.         | :  | ENV/57/March/TR(A)/VIII/22-23     |   |               |  |

### 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) : 26.0
2. Average Relative Humidity (%) : 80.0
3. Barometric Pressure (mm of Hg) : 756.0
4. Smell or Odour : No Remarkable Smell

### C] RESULTS

| SL. NO. | PARAMETERS                       | UNIT              | METHOD NO.                                                              | RESULTS | LIMIT |
|---------|----------------------------------|-------------------|-------------------------------------------------------------------------|---------|-------|
| 1.      | Concentration of SO <sub>2</sub> | µg/m <sup>3</sup> | IS 5182 (Part 2) 2017 & ASTM D 2914-01, Sec. 11<br>(Vol. 11.07) : 2017  | 12.50   | N.A.  |
| 2.      | Concentration of NO <sub>2</sub> | µg/m <sup>3</sup> | IS 5182 (Part 6) 2017 & ASTM D 1607-91 : Sec. 11<br>(Vol. 11.07) : 2018 | 32.80   | 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

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141  
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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



# 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                               | : | 23.03.2023                        |
|                           |   |                                                                       | Period of Analysis                          | : | 24.03.2023 – 25.03.2023           |
|                           |   |                                                                       | Date of Issue                               | : | 25.03.2023                        |
| 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/57/March/A/IX                 |
|                           |   |                                                                       | Report No.                                  | : | ENV/57/March/TR(A)/IX/22-23       |

### A] GENERAL INFORMATION

1. Location of Sampling : Inside the Processing Unit
2. Duration of Sampling : 08 hrs. (11:00 a.m. – 06:00 p.m.)

### B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 24.0
2. Average Relative Humidity (%) : 74.0
3. Barometric Pressure (mm of Hg) : 756.0
4. Smell or Odour : No Remarkable Smell

### C] RESULT

| SL. NO. | PARAMETER            | UNIT              | METHOD NO.              | RESULT | LIMIT  |
|---------|----------------------|-------------------|-------------------------|--------|--------|
| 1.      | Concentration of SPM | µg/m <sup>3</sup> | IS 5182 (Part 4) : 2019 | 260.12 | 5000.0 |

Remarks : Limit as per The Factory Act – 1948.  
: 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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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



# 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                               | : | 23.03.2023                        |
|                           |   |                                                                       | Period of Analysis                          | : | 24.03.2023 – 25.03.2023           |
|                           |   |                                                                       | Date of Issue                               | : | 25.03.2023                        |
| Sampling Plan & Procedure | : | ENV/SOP/01                                                            | Deviation from the Sampling Method and Plan | : | No                                |
| Sample Condition          | : | Sealed                                                                | Sample ID No.                               | : | ENV/57/March/A/IX                 |
|                           |   |                                                                       | Report No.                                  | : | ENV/57/March/TR(A)/IX/22-23       |
|                           |   |                                                                       | Type of Sample                              | : | Work Zone Air                     |

### A] GENERAL INFORMATION

1. Location of Sampling : Inside the Processing Unit
2. Duration of Sampling : 08 hrs. (11:00 a.m. – 06:00 p.m.)

### B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 24.0
2. Average Relative Humidity (%) : 74.0
3. Barometric Pressure (mm of Hg) : 756.0
4. Smell or Odour : No Remarkable Smell

### C] RESULTS

| SL. NO. | PARAMETERS                       | UNIT              | METHOD NO.                                                              | RESULTS | LIMIT |
|---------|----------------------------------|-------------------|-------------------------------------------------------------------------|---------|-------|
| 1.      | Concentration of SO <sub>2</sub> | µg/m <sup>3</sup> | IS 5182 (Part 2) 2017 & ASTM D 2914-01, Sec. 11<br>(Vol. 11.07) : 2017  | 11.80   | N.A.  |
| 2.      | Concentration of NO <sub>2</sub> | µg/m <sup>3</sup> | IS 5182 (Part 6) 2017 & ASTM D 1607-91 : Sec. 11<br>(Vol. 11.07) : 2018 | 28.52   | 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>

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E-mail : info@envirocheck.in / envirocheck50@gmail.com ■ Website : www.envirocheck.in  
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Overseas : UAE ■ Qatar ■ Netherlands

**Annexure 4****ENVIROCHECK**Recognised by MoEF&CC, WBPCB & JSPCB  
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

TC-6014

**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      | : | 23.03.2023                        |  |
|                           |   |                                                                       |                                             |   |        | Period of Analysis | : | 23.03.2023 – 28.03.2023           |  |
|                           |   |                                                                       |                                             |   |        | Date of Issue      | : | 30.03.2023                        |  |
| 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/21/March/W/I                  |  |
| Report No.                | : | ENV/21/March/TR(W)/I/22-23                                            |                                             |   |        |                    |   |                                   |  |

| SL. NO. | PARAMETERS                                   | TEST METHOD                                    | UNIT | RESULTS |
|---------|----------------------------------------------|------------------------------------------------|------|---------|
| 1.      | pH                                           | 4500 H+B APHA 23 <sup>rd</sup> Edition, 2017   | --   | 6.24    |
| 2.      | Total Suspended Solids                       | 2540 D APHA 23 <sup>rd</sup> Edition, 2017     | mg/l | 120.0   |
| 3.      | Oil & Grease                                 | 5520 B/D APHA 23 <sup>rd</sup> Edition, 2017   | mg/l | 14.0    |
| 4.      | Chemical Oxygen Demand                       | 5200 B/C/D APHA 23 <sup>rd</sup> Edition, 2017 | mg/l | 825.6   |
| 5.      | Biochemical Oxygen Demand for 5 days at 20°C | 5210 B APHA 23 <sup>rd</sup> Edition, 2017     | mg/l | 206.0   |

**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

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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



# ENVIROCHECK

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



FORMAT NO. ENV/FM/40

## TEST REPORT

|                           |   |                                                                          |                                             |   |                                   |
|---------------------------|---|--------------------------------------------------------------------------|---------------------------------------------|---|-----------------------------------|
| Name of the Industry      | : | Subham Oils & Resins Pvt. Ltd.                                           | Type of Industry                            | : | Alkyd & Synthetic Resin Mfg. Unit |
| Address                   | : | Vill. + P.O. – Surjopur, P.S. – Titagarh,<br>Dist. – 24 Pgs.(N) – 700121 | Sampling Date                               | : | 23.03.2023                        |
|                           |   |                                                                          | Period of Analysis                          | : | 23.03.2023 – 28.03.2023           |
|                           |   |                                                                          | Date of Issue                               | : | 30.03.2023                        |
| 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/21/March/W/II                 |
| Report No.                | : | ENV/21/March/TR(W)/II/22-23                                              |                                             |   |                                   |

| SL. NO. | PARAMETERS                                   | TEST METHOD                                    | UNIT | RESULTS | LIMIT     |
|---------|----------------------------------------------|------------------------------------------------|------|---------|-----------|
| 1.      | pH                                           | 4500 H+B APHA 23 <sup>rd</sup> Edition, 2017   | --   | 6.87    | 5.5 – 9.0 |
| 2.      | Total Suspended Solids                       | 2540 D APHA 23 <sup>rd</sup> Edition, 2017     | mg/l | 32.0    | 100.0     |
| 3.      | Oil & Grease                                 | 5520 B/D APHA 23 <sup>rd</sup> Edition, 2017   | mg/l | 4.1     | 10.0      |
| 4.      | Chemical Oxygen Demand                       | 5200 B/C/D APHA 23 <sup>rd</sup> Edition, 2017 | mg/l | 76.8    | 250.0     |
| 5.      | Biochemical Oxygen Demand for 5 days at 20°C | 5210 B APHA 23 <sup>rd</sup> 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>

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

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/415A/M/N                                                                                | Report ID                 | : | ENV/415A/M/(TR)N/ 22-23 |
| • Date of Study                                 | : | 23/03/2023                                                                                  | Reporting Date            | : | 30/03/2023              |
| • 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) | Leq dB (A) | Limit in Leq dB(A)                                              |
|---------|-------------------------|-----------------------|------|------|------|------|------|------|------|------|------|-----------------------------------|------------|------------|------------|-----------------------------------------------------------------|
| 1.      | Near D.G Room (160 KVA) | 70.5                  | 74.8 | 71.3 | 71.9 | 72.8 | 72.6 | 73.5 | 74.2 | 70.9 | 71.7 | 10:00 - 10:20 A.M<br>(Day Time)   | 70.5       | 74.8       | 73.16      | A. Industrial Area<br>(Day Time - 75.0)<br>(Night Time - 70.0)  |
| 2.      | Near D.G Room (160 KVA) | 61.6                  | 64.9 | 63.5 | 63.7 | 62.8 | 62.2 | 63.0 | 61.2 | 62.4 | 61.0 | 10:00 - 10:20 P.M<br>(Night Time) | 61.0       | 64.9       | 63.56      | B. Commercial Area<br>(Day Time - 65.0)<br>(Night Time - 55.0)  |
| 3.      | Near Store Room         | 60.9                  | 64.3 | 60.2 | 64.1 | 62.2 | 63.3 | 61.5 | 62.8 | 62.9 | 63.1 | 10:30 - 10:50 A.M<br>(Day Time)   | 60.2       | 64.3       | 62.92      | C. Residential Area<br>(Day Time - 55.0)<br>(Night Time - 45.0) |
| 4.      | Near Store Room         | 43.5                  | 50.2 | 44.1 | 45.9 | 46.2 | 47.5 | 48.2 | 49.9 | 45.6 | 43.3 | 10:30 - 10:50 P.M<br>(Night Time) | 43.3       | 50.2       | 48.03      | D. Silent Zone<br>(Day Time - 50.0)<br>(Night Time - 40.0)      |

&gt; End of Report &lt;

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

Reviewed By:



Dy. Quality Manager

Approved By:



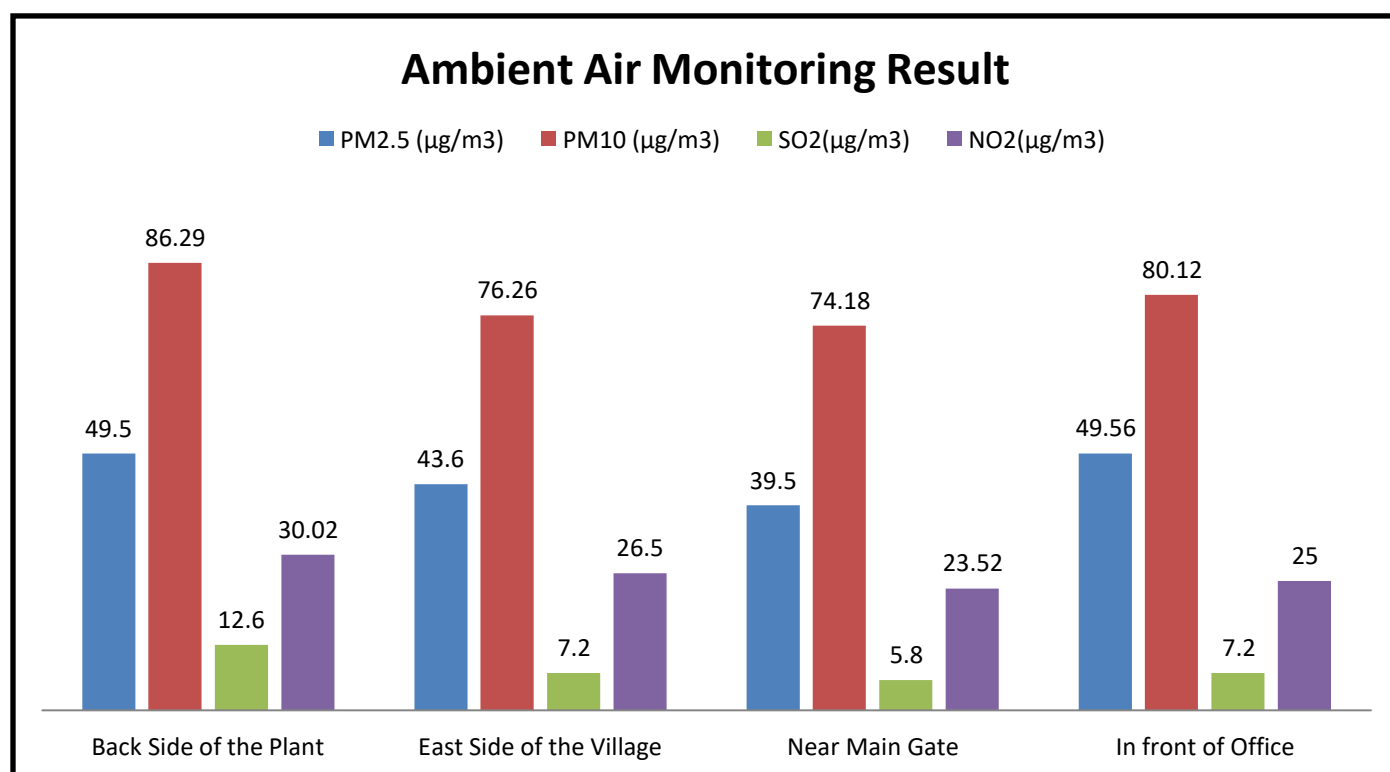
Quality Manager

## DATA INTERPRETATION

### 1. Ambient Air Monitoring

Ambient air quality monitoring has been carried out in the month of March, 2023 in four locations to assess the ambient air quality of Project Site.

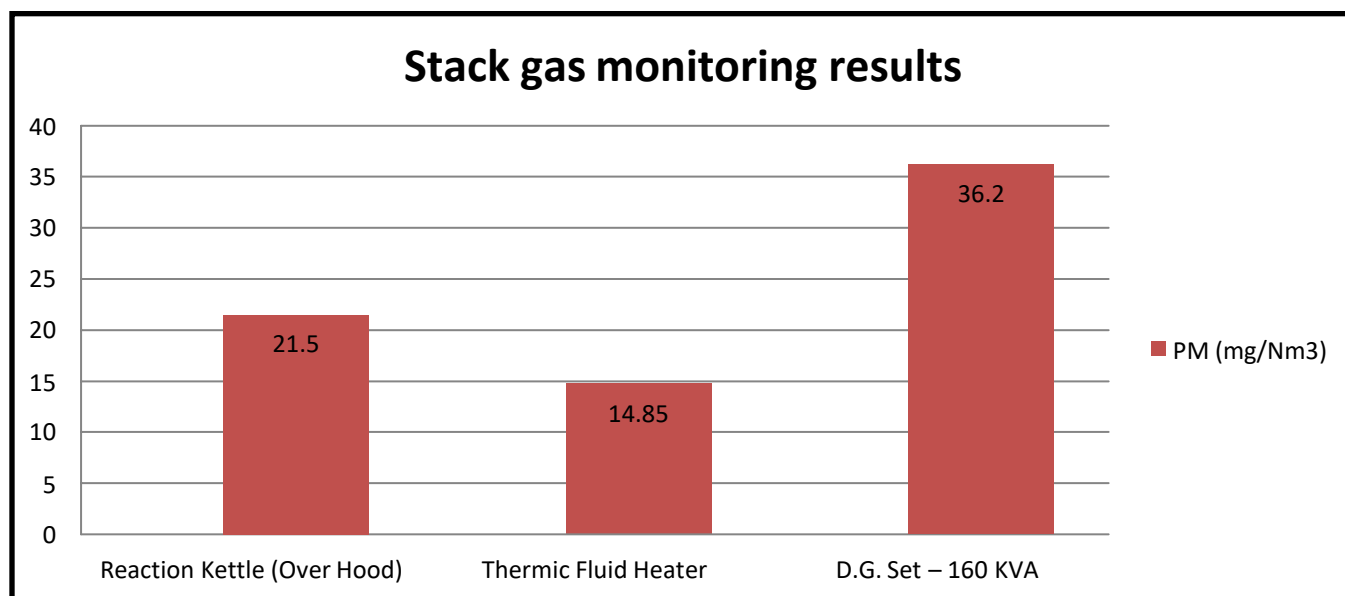
| Parameters                             | Back Side of the Plant | East Side of the Village | Near Main Gate | In front of Office |
|----------------------------------------|------------------------|--------------------------|----------------|--------------------|
| PM <sub>2.5</sub> (µg/m <sup>3</sup> ) | 49.50                  | 43.60                    | 39.50          | 49.56              |
| PM <sub>10</sub> (µg/m <sup>3</sup> )  | 86.29                  | 76.26                    | 74.18          | 80.12              |
| SO <sub>2</sub> (µg/m <sup>3</sup> )   | 12.60                  | 7.20                     | 5.80           | 7.20               |
| NO <sub>2</sub> (µg/m <sup>3</sup> )   | 30.02                  | 26.50                    | 23.52          | 25.0               |



### 2. Stack Gas Analysis

The sample was taken on 23<sup>rd</sup> March, 2023.

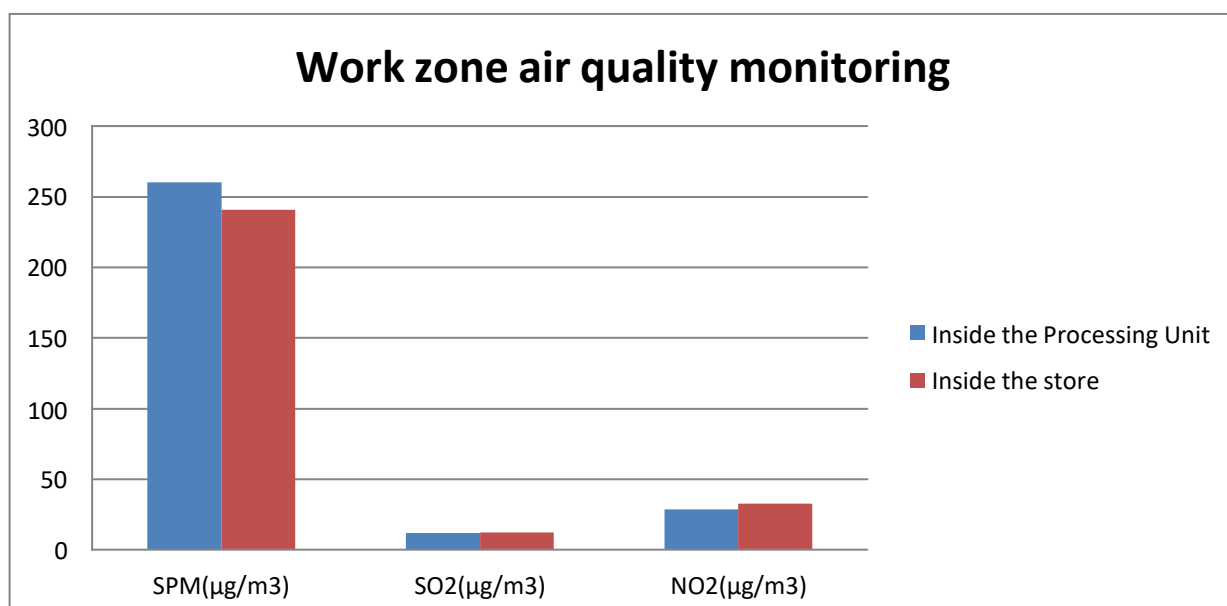
| Location Name            | Reaction Kettle (Over Hood) | Thermic Fluid Heater | D.G. Set – 160 KVA |
|--------------------------|-----------------------------|----------------------|--------------------|
| PM (mg/Nm <sup>3</sup> ) | 21.50                       | 14.85                | 36.20              |



### 3. Work Zone Air Quality Analysis

The sampling has been carried in month of March, 2023.

| Parameters                                   | Inside the Processing Unit | Inside the store |
|----------------------------------------------|----------------------------|------------------|
| SPM( $\mu\text{g}/\text{m}^3$ )              | 260.12                     | 240.56           |
| SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ ) | 11.80                      | 12.50            |
| NO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ ) | 28.52                      | 32.80            |



#### 4. Effluent Water Quality Monitoring

Effluent water sampling date is 23 March, 2023.

i. E.T.P Inlet

| Parameters                    | Results |
|-------------------------------|---------|
| pH value                      | 6.24    |
| Total Suspended Solids        | 120.0   |
| Oil & Grease                  | 14.0    |
| Chemical Oxygen Demand        | 825.6   |
| BOD [3 days, 27°C]<br>(mg./l) | 206.0   |

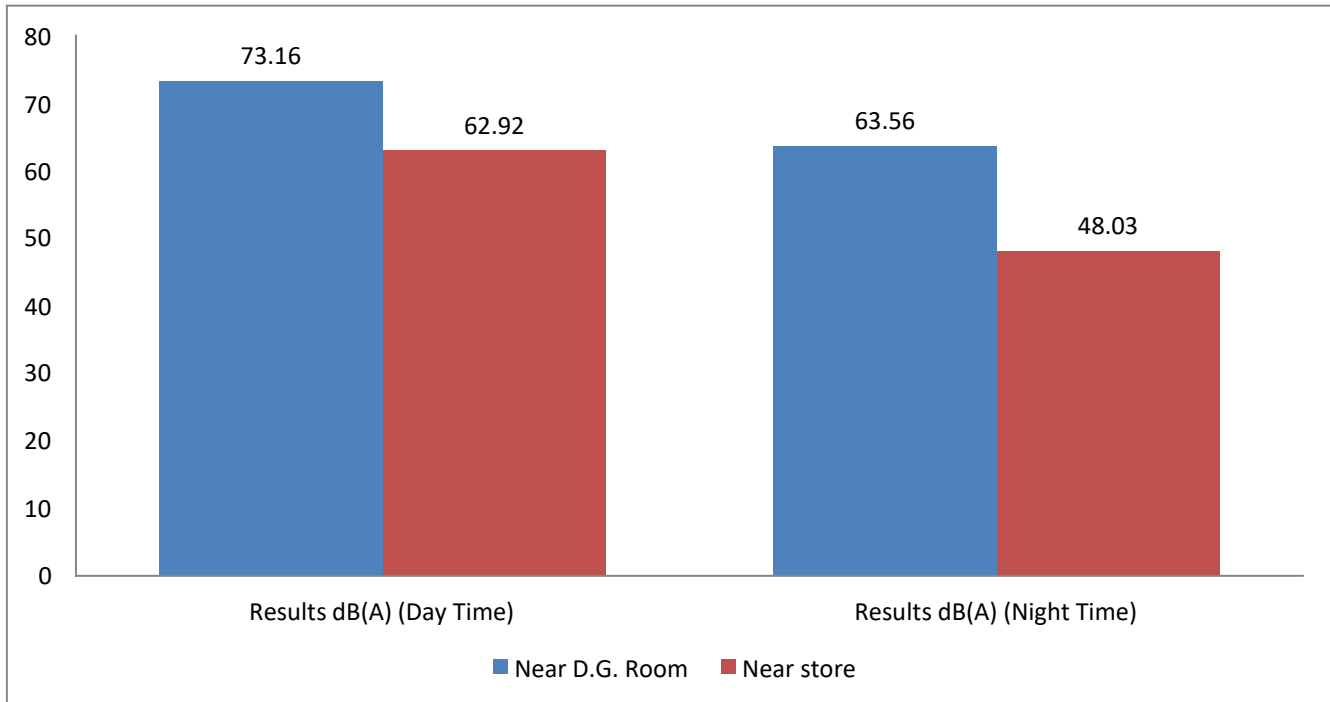
ii. E.T.P Outlet

| Parameters                    | Results | Limit   |
|-------------------------------|---------|---------|
| pH value                      | 6.87    | 5.5-9.0 |
| Total Suspended Solids        | 32.0    | 100.0   |
| Oil & Grease                  | 4.1     | 10.0    |
| Chemical Oxygen Demand        | 76.8    | 250.0   |
| BOD [3 days, 27°C]<br>(mg./l) | 25.0    | 30.0    |

## 5. Ambient Noise Monitoring

On March 2023, Noise sampling has been carried out

| Location       | Results dB(A) (Day Time) | Results dB(A) (Night Time) |
|----------------|--------------------------|----------------------------|
| Near D.G. Room | 73.16                    | 63.56                      |
| Near store     | 62.92                    | 48.03                      |





ESIC

Employees' State Insurance Corporation

Insurance

User Login: 40000480440000908

Monday, November 14, 2022 12:51:01 PM

[Monthly Contribution](#) > [Online Challan Status](#)Transaction Details \* Required Field

|                        |                                        |
|------------------------|----------------------------------------|
| Transaction status:    | Transaction Completed Successfully     |
| Employer's Code No:    | 40000480440000908                      |
| Employer's Name:       | SUBHAM OILS AND RESINS PRIVATE LIMITED |
| Challan Period:        | Oct-2022                               |
| Challan Number :       | 04022138809313                         |
| Challan Created Date   | 09-11-2022 13:55:19                    |
| Challan Submitted Date | 10-11-2022 14:12:14                    |
| Amount Paid:           | 6318.00                                |
| Transaction Number:    | 211102357063                           |

Print

Close



User Login: 40000480440000908

Wednesday, December 14, 2022 6:33:31 PM



Monthly Contribution > Online Challan Status

Transaction Details \* Required Fields

|                        |                                        |
|------------------------|----------------------------------------|
| Transaction status:    | Transaction Completed Successfully     |
| Employer's Code No:    | 40000480440000908                      |
| Employer's Name:       | SUBHAM OILS AND RESINS PRIVATE LIMITED |
| Challan Period:        | Nov-2022                               |
| Challan Number :       | 04022140448483                         |
| Challan Created Date   | 09-12-2022 12:11:54                    |
| Challan Submitted Date | 12-12-2022 14:42:18                    |
| Amount Paid:           | 8597.00                                |
| Transaction Number:    | 212128820339                           |

Print

Close



User Login: 40000480440000908

Wednesday, February 08, 2023 2:59:48 PM



[Monthly Contribution > Online Challan Status](#)

| Transaction Details    |                                        | * Required Fields |
|------------------------|----------------------------------------|-------------------|
| Transaction status:    | Transaction Completed Successfully     |                   |
| Employer's Code No:    | 40000480440000908                      |                   |
| Employer's Name:       | SUBHAM OILS AND RESINS PRIVATE LIMITED |                   |
| Challan Period:        | Dec-2022                               |                   |
| Challan Number :       | 04023101121942                         |                   |
| Challan Created Date   | 09-01-2023 13:21:10                    |                   |
| Challan Submitted Date | 11-01-2023 11:18:57                    |                   |
| Amount Paid:           | 6387.00                                |                   |
| Transaction Number:    | 301118832528                           |                   |

Print

Close



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

[English](#) / [हिंदी](#)



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

e-Challan Payment

Required Fields

Employer Code \*

40000460440000906

Transaction Details

\* Required Fields

Transaction status:

Transaction Completed Successfully

Employer's Code No:

40000460440000906

Employer's Name:

SUBHAM OILS AND RESINS PRIVATE LIMITED

Challan Period:

Jan-2023

Challan Number :

04023104617990

Challan Created Date

08-02-2023 13:24:28

Challan Submitted Date

13-02-2023 12:01:05

Amount Paid:

5988.00

Transaction Number:

FT302134064684

Print

Close

IP Address :



User Login: 40000483840000304

Friday, March 17, 2023 2:17:50 PM



[Monthly Contribution > Online Challan Status](#)

Transaction Details \* Required Fields

|                        |                                             |
|------------------------|---------------------------------------------|
| Transaction status:    | Transaction Completed Successfully          |
| Employer's Code No:    | 40000483840000304                           |
| Employer's Name:       | GIRDHARI CHEMICALS & RESINS PRIVATE LIMITED |
| Challan Period:        | Feb-2023                                    |
| Challan Number :       | 04023107988231                              |
| Challan Created Date   | 08-03-2023 18:12:01                         |
| Challan Submitted Date | 13-03-2023 11:16:21                         |
| Amount Paid:           | 5409.00                                     |
| Transaction Number:    | 303135874430                                |

Print

Close





कर्मचारी राज्य बीमा निगम

Employees' State Insurance Corporation

(Ministry of Labour and Employment, Government of India)

English / हिंदी



श्रम एवं रोजगार मंत्रालय

Ministry of Labour & Employment

भारत सरकार (Government of India)

e-Challan Payment

Required Fields

Employer Code \*

40000460440000906

Transaction Details

\* Required Fields

Transaction status:

Transaction Completed Successfully

Employer's Code No:

40000460440000906

Employer's Name:

SUBHAM OILS AND RESINS PRIVATE LIMITED

Challan Period:

Mar-2023

Challan Number :

04023111906269

Challan Created Date

07-04-2023 16:07:23

Challan Submitted Date

14-04-2023 10:41:09

Amount Paid:

5577.00

Transaction Number:

FT304147911589

Print

Close



## Employees' State Insurance Corporation

Contribution History Of 40000460440000906 for Jan2023

| Total IP Contribution |            | Total Employer Contribution | Total Contribution     | Total Government Contribution |             | Total Monthly Wages |        |
|-----------------------|------------|-----------------------------|------------------------|-------------------------------|-------------|---------------------|--------|
| 1,122.00              |            | 4,844.00                    | 5,966.00               | 0.00                          |             | 149,036.00          |        |
| SNo.                  | Is Disable | IP Number                   | IP Name                | No. Of Days                   | Total Wages | IP Contribution     | Reason |
| 1                     | -          | 4020795912                  | KESHAB SEN             | 30                            | 12500.00    | 94.00               | -      |
| 2                     | -          | 4020845909                  | RANJAN SWARNAKR        | 30                            | 12969.00    | 98.00               | -      |
| 3                     | -          | 4020545828                  | CHATTU GUHA            | 9                             | 4425.00     | 34.00               | -      |
| 4                     | -          | 4020831013                  | CHANDAN GHARA          | 23                            | 12075.00    | 91.00               | -      |
| 5                     | -          | 4020614122                  | SUBRATA GANGULY        | 27                            | 18000.00    | 135.00              | -      |
| 6                     | -          | 4109714598                  | ARVINDA KUMAR UPADHYAY | 20                            | 12667.00    | 95.00               | -      |
| 7                     | -          | 4020871682                  | PRASANTA HALDER        | 29                            | 18125.00    | 136.00              | -      |
| 8                     | -          | 3811343695                  | ANANDA MANIK           | 30                            | 21875.00    | 165.00              | -      |
| 9                     | -          | 4020975817                  | KAYES KUMAR PRASAD     | 29                            | 17400.00    | 131.00              | -      |
| 10                    | -          | 4021040429                  | ARPAN MONDAL           | 29                            | 19000.00    | 143.00              | -      |

1:25:03PM



## Employees' State Insurance Corporation

Contribution History Of 40000460440000906 for Feb2023

| Total IP Contribution |            | Total Employer Contribution |                        | Total Contribution | Total Government Contribution |                 | Total Monthly Wages |
|-----------------------|------------|-----------------------------|------------------------|--------------------|-------------------------------|-----------------|---------------------|
| 1,095.00              |            | 4,728.00                    |                        | 5,823.00           | 0.00                          |                 | 145,475.00          |
| SNo.                  | Is Disable | IP Number                   | IP Name                | No. Of Days        | Total Wages                   | IP Contribution | Reason              |
| 1                     | -          | 4020795912                  | KESHAB SEN             | 28                 | 12500.00                      | 94.00           | -                   |
| 2                     | -          | 4020845909                  | RANJAN SWARNAKR        | 28                 | 13750.00                      | 104.00          | -                   |
| 3                     | -          | 4020831013                  | CHANDAN GHARA          | 13                 | 7875.00                       | 60.00           | -                   |
| 4                     | -          | 4020614122                  | SUBRATA GANGULY        | 28                 | 20000.00                      | 150.00          | -                   |
| 5                     | -          | 4109714598                  | ARVINDA KUMAR UPADHYAY | 28                 | 19000.00                      | 143.00          | -                   |
| 6                     | -          | 4020871682                  | PRASANTA HALDER        | 28                 | 18750.00                      | 141.00          | -                   |
| 7                     | -          | 3811343695                  | ANANDA MANIK           | 28                 | 21000.00                      | 158.00          | -                   |
| 8                     | -          | 4020975817                  | KAYES KUMAR PRASAD     | 19                 | 12600.00                      | 95.00           | -                   |
| 9                     | -          | 4021040429                  | ARPAN MONDAL           | 28                 | 20000.00                      | 150.00          | -                   |
| 10                    | -          | 4020545828                  | CHATTU GUHA            | 0                  | 0.00                          | 0.00            | No Work             |

6:03:29PM



## Employees' State Insurance Corporation

Contribution History Of 40000460440000906 for Mar2023

| Total IP Contribution |            | Total Employer Contribution |                        | Total Contribution | Total Government Contribution |                 | Total Monthly Wages |
|-----------------------|------------|-----------------------------|------------------------|--------------------|-------------------------------|-----------------|---------------------|
| 1,049.00              |            | 4,528.00                    |                        | 5,577.00           | 0.00                          |                 | 139,316.00          |
| SNo.                  | Is Disable | IP Number                   | IP Name                | No. Of Days        | Total Wages                   | IP Contribution | Reason              |
| 1                     | -          | 4020795912                  | KESHAB SEN             | 30                 | 12500.00                      | 94.00           | -                   |
| 2                     | -          | 4020845909                  | RANJAN SWARNAKR        | 30                 | 13333.00                      | 100.00          | -                   |
| 3                     | -          | 4020831013                  | CHANDAN GHARA          | 27                 | 14175.00                      | 107.00          | -                   |
| 4                     | -          | 4020614122                  | SUBRATA GANGULY        | 27                 | 18000.00                      | 135.00          | -                   |
| 5                     | -          | 4109714598                  | ARVINDA KUMAR UPADHYAY | 18                 | 11400.00                      | 86.00           | -                   |
| 6                     | -          | 4020871682                  | PRASANTA HALDER        | 19                 | 11875.00                      | 90.00           | -                   |
| 7                     | -          | 3811343695                  | ANANDA MANIK           | 30                 | 21000.00                      | 158.00          | -                   |
| 8                     | -          | 4020975817                  | KAYES KUMAR PRASAD     | 27                 | 16200.00                      | 122.00          | -                   |
| 9                     | -          | 4021040429                  | ARPAN MONDAL           | 29                 | 20833.00                      | 157.00          | -                   |
| 10                    | -          | 4020545828                  | CHATTU GUHA            | 0                  | 0.00                          | 0.00            | No Work             |

6:03:29PM



## Employees' State Insurance Corporation

Contribution History Of 40000460440000906 for Apr2023

| Total IP Contribution |            | Total Employer Contribution | Total Contribution     | Total Government Contribution |             | Total Monthly Wages |         |
|-----------------------|------------|-----------------------------|------------------------|-------------------------------|-------------|---------------------|---------|
| 1,150.00              |            | 4,967.00                    | 6,117.00               | 0.00                          |             | 152,827.00          |         |
| SNo.                  | Is Disable | IP Number                   | IP Name                | No. Of Days                   | Total Wages | IP Contribution     | Reason  |
| 1                     | -          | 4020795912                  | KESHAB SEN             | 30                            | 14000.00    | 105.00              | -       |
| 2                     | -          | 4020845909                  | RANJAN SWARNAKR        | 30                            | 14542.00    | 110.00              | -       |
| 3                     | -          | 4020831013                  | CHANDAN GHARA          | 29                            | 15986.00    | 120.00              | -       |
| 4                     | -          | 4020614122                  | SUBRATA GANGULY        | 28                            | 20002.00    | 151.00              | -       |
| 5                     | -          | 4109714598                  | ARVINDA KUMAR UPADHYAY | 30                            | 19000.00    | 143.00              | -       |
| 6                     | -          | 4020871682                  | PRASANTA HALDER        | 22                            | 14437.00    | 109.00              | -       |
| 7                     | -          | 3811343695                  | ANANDA MANIK           | 30                            | 21000.00    | 158.00              | -       |
| 8                     | -          | 4020975817                  | KAYES KUMAR PRASAD     | 22                            | 13860.00    | 104.00              | -       |
| 9                     | -          | 4021040429                  | ARPAN MONDAL           | 30                            | 20000.00    | 150.00              | -       |
| 10                    | -          | 4020545828                  | CHATTU GUHA            | 0                             | 0.00        | 0.00                | No Work |

11:57:48AM



# The Telegraph

CALCUTTA TUESDAY 16 APRIL 2013 Rs 3.00

ta Sen 9831728385  
as Consultant/  
per Part/Full time  
Do needs serious  
to expand in Kol  
788788



Space for Cor-  
available on rent  
Gariahat Road, Gol-  
Area approx 700sqft  
n 2nd and 3rd Floor,  
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ay send their enqui-  
through email to  
sarsteel@rediff  
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guys 24hrs service Krish  
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High Earn (25000-35000)  
through male escort  
bold relation with air  
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Progress your financial  
condition Hi income  
Bold relation hi profile  
100% privacy & dignity  
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788888

Get the fill of cosy  
Friendship with high pro-  
file Male/Female this Hu-  
mid Season 9831164049/  
98309538049/ 9830797577  
788316 788677



## 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-  
IA II (I), dtd. 22.03.2013 for  
production of Alkyd  
Resin (1500 TPA) at  
Village: Surjpur, Tehsil:  
Barackpore, Dist. North  
24Pgs, West Bengal. More  
information available  
with WB.P.C.B. &  
M.O.E.F. Web site of :  
<http://envfornc.in>  
8191 788341

## 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. 787835

Know all by virtue of an  
affidavit sworn on  
25.01.2013 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

Now book Classified ad  
in The Telegraph  
from home.

2448 2828  
(Kolkata)

2448 3030\*  
(Outside Kolkata)

\*For SECT even 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](mailto:r.sundar@nic.in)  
Telefax: 011: 2436 6739  
Dated: 22<sup>nd</sup> 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](mailto:sjitmotdi@yahoo.co.in); [pscpl.env@gmail.com](mailto: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 m<sup>2</sup> and green belt will be developed in 895 m<sup>2</sup>. 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 m<sup>3</sup>/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 3<sup>rd</sup> meeting held during 3-5<sup>th</sup> 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 14<sup>th</sup> 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 m<sup>3</sup>/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 16<sup>th</sup> 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 PM<sub>10</sub>, SO<sub>2</sub> and NO<sub>x</sub> 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 19<sup>th</sup> May, 1993 and 31<sup>st</sup> 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; PM<sub>10</sub>, SO<sub>2</sub>, NO<sub>x</sub> (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 31<sup>st</sup> 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)

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

(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 <sup>3</sup> /hr | Velocity of gaseous emission (mg/sec) | Concentrations of parameters not to exceed |            |   |   | Frequency of sampling |
|-----------|----------------------------------|--------------------------------------------------------|----------------------------|---------------------------------------|--------------------------------------------|------------|---|---|-----------------------|
|           |                                  |                                                        |                            |                                       | SPM (mg./Nm <sup>3</sup> )                 | 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 <sub>eq</sub> | Time                            | Limit in dB (A) L <sub>eq</sub> |
|-------------------------------|---------------------------------|---------------------------------|---------------------------------|
| 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 Engr./Sr. Engr./Env. Engr./Asst. Engr./Engr. in Charge)

Environmental Engineer  
W.R. Pollution Control Board



# WEST BENGAL POLLUTION CONTROL BOARD

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

C079295 (Orange/Green Category Unit)



Memo Number: 43-NC/15/WPB/BR/1060/69

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 <sup>3</sup> /hr | Velocity of gaseous emission (mg/sec) | Concentrations of parameters not to exceed |            |   |   | Frequency of sampling |
|-----------|----------------------------------|--------------------------------------------------------|----------------------------|---------------------------------------|--------------------------------------------|------------|---|---|-----------------------|
|           |                                  |                                                        |                            |                                       | SPM (mg/Nm <sup>3</sup> )                  | 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 <sub>eq</sub> | Time                            | Limit in dB (A) L <sub>eq</sub> |
|-------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Day time (06 a.m. to 10 p.m.) | 65                              | Night Time (10 p.m. to 06 a.m.) | 55                              |

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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.

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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



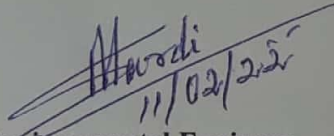
(Member Secretary/Chief Engr./Sr. Env. Engr./Engr./Asst. Engr./Jr. Scientist)  
W. B. Pollution Control Board  
Operation & Execution Cell

### 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                       |
|         | <b>Total</b>                      | <b>11100</b>              |

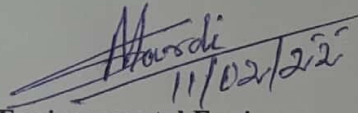
  
11/02/2025  
**Sr. Environmental Engineer**  
**West Bengal Pollution Control Board**

**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

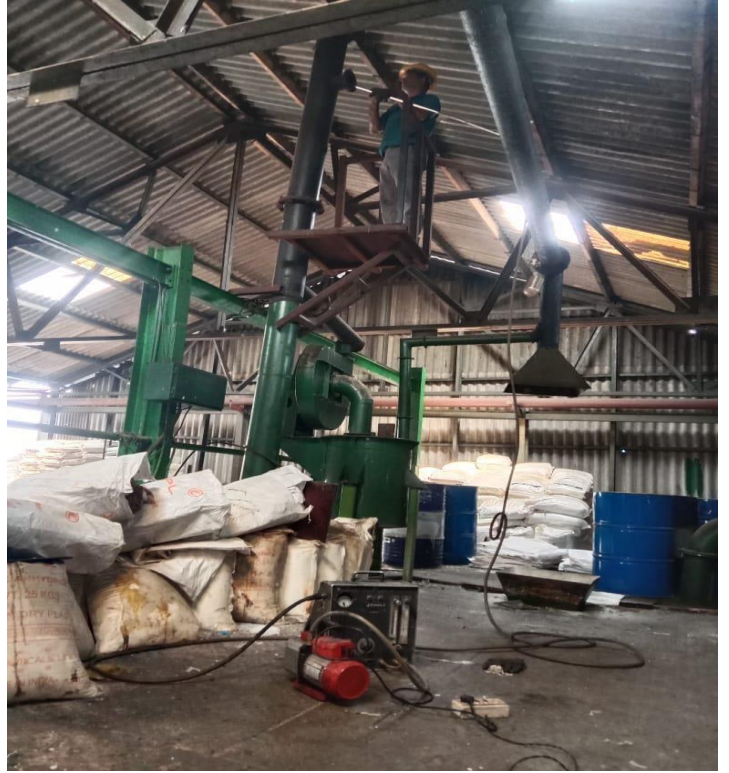
1. The unit shall abide by all other condition as mentioned in Environmental Clearance (EC) issued vide no. 1951/EN/T-II-1/042/2015 dated 05.09.2016 and NOC (CO79295) issued vide memo no.03-2N-14/2011 ( E ) dated 02.01.2019 in favour of the expansion project.
2. The unit should obtain all the statutory 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

