Gmail ORISSA METALIKS <orissametalikspvtltd@gmail.com>

Six Monthly (JUNE-2024) Compliance Report for Period October 2023 to March 2024 for Induction Furnace 15 x 20 T (0.9 MTPA) with matching LRF & CCM, Rolling Mill 0.84 MTPA (Hot Rolling Mill-0.65 MTPA + Cold Rolling Mill-0.19 MTPA) with Captive Power Plant 45 MW (45 MW Dolochar-coal mix based) by M/s Orissa Metaliks Private Limited, at Mouza-Mathurakismat & Amba, Village-Gokulpur, P.O.-Shyamraipur, District-Paschim Midnapore (W.B.)

1 message

ORISSA METALIKS <orissametalikspvtltd@gmail.com> Tue, May 21, 2024 at 4:39 PM
To: "roez.bsr-mef@nic.in" <roez.bsr-mef@nic.in>, iro.kolkata-mefcc@gov.in, ms@wbpcb.gov.in, "wbpcbnet@wbpcb.gov.in" <wbpcbnet@wbpcb.gov.in>
Bcc: Biswanath Sharma <biswanath@rashmigroup.com>, bijayen.srivastava@rashmigroup.com, ompl1.environment@rashmigroup.co.in

Dear Sir,

With reference to the above, we are hereby submitting the six monthly compliance reports for period from October 2023 to March 2024 for expansion EC under clause 7(II) of EIA Notification vide EC No-3311/EN/T-II-I/016/2018 dated 03.10.2018 for Induction Furnace 15 x 20 T (0.9 MTPA), Rolling Mill 0.84 MTPA (Hot Rolling Mill-0.65 MTPA + Cold Rolling Mill-0.19 MTPA) with Captive Power Plant 45 MW (45 MW Dolochar-coal mix based) in soft copy vide mail issued in suppression of earlier EC No-2707/EN/T-TT-I/074I2015 dated 07.12.16.

We assured that we will comply with all the conditions laid down in the consent letter and also abide to follow all the Rules & Regulations.

Hope you will find the same in order

With warm Regards,

Authorised Signatory

M/s. Orissa Metaliks Private Limited

1, Garstin Place, 'Orbit House', Room No-3B, Kolkata-700001

Tel : 91 33-22894255/ 56
Fax : 91 33-22894254

Mbl. No-07044070948

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OMPL
ORISSA METALIKS PRIVATE LIMITED
CIN: U27109WB2006WPTC111146 www.orissametaliks.com
☎ +91-33-2243 8517-20 +91-33-2243 8517 sc_ompl@orissametaliks.com

Ref. OMPL/ENV COMPL / JUNE-2024 Date:-21.05.2024

To,

a) **Regional Office,**
Ministry of Environment, Forests & Climate Change, Bhubaneswar
A/3 Chandersekharpur,
Bhubaneswar – 751023, Odisha

b) **Sub Office, Kolkata**
Regional Office, Bhubaneswar,
Ministry of Environment, Forest and Climate Change,
IB-198, Sector-III, Salt Lake City,
Kolkata – 700 106

Sub. **Six Monthly (JUNE-2024)** Compliance Report for Period **October 2023 to March 2024** for Induction Furnace 15 x 20 T (0.9 MTPA) with matching LRF & CCM, Rolling Mill 0.84 MTPA (Hot Rolling Mill-0.65 MTPA + Cold Rolling Mill-0.19 MTPA) with Captive Power Plant 45 MW (45 MW Dolochar-coal mix based) by **M/s Orissa Metaliks Private Limited**, at Mouza-Mathurakismat (J.L. No. 114) & Amba (J.L. No. 115), Village-Gokulpur, P.O.-Shyamraipur, P.S.- Kharagpur, District-Paschim Midnapore (W.B.)

Ref: - EC No-3311/EN/T-II-I/016/2018 dated 03.10.2018

Dear Sir,

With reference to the above, we are hereby submitting the six monthly compliance reports for period from October 2023 to March 2024 for expansion EC under clause 7(II) of EIA Notification vide EC No-3311/EN/T-II-I/016/2018 dated 03.10.2018 for Induction Furnace 15 x 20 T (0.9 MTPA), Rolling Mill 0.84 MTPA (Hot Rolling Mill-0.65 MTPA + Cold Rolling Mill-0.19 MTPA) with Captive Power Plant 45 MW (45 MW Dolochar-coal mix based) in soft copy vide mail issued in suppression of earlier EC No-2707/EN/T-TT-I/074I2015 dated 07.12.16. The same have also been uploaded on parivesh portal (copy attached).

Here, we would like to inform that the last six monthly compliance report for the period April, 2023-September 2023 was submitted to concerned department vide mail & letter no-OMPL/ENV_COMPL/Dec-2023 dated 27.11.2023 on parivesh portal vide Compliance ID: 26345878 dated 27.11.2023.

We assured that we will comply all the conditions laid down in the consent letter and also abide to follow all the Rules & Regulations.

Hope you will find the same in order.

Yours Faithfully,

For **M/s Orissa Metaliks Private Limited**

Authorized Signatory

C.C:-

1. **The Member Secretary**, West Bengal Pollution Control Board, Parivesh Bhawan, 10A Block – LA, Sector – III, Kolkata – 700091
2. **The Member Secretary,** State Environment Impact Assessment Authority **(SEIAA),** Department of Environment, Govt. of West Bengal, 5th Floor, Pranisampad Bhawan, Block LB-II, Salt lake, Sector-III, Bidhannagar, Kolkata-700106

Enclosures:-

1. Compliance Report for subject EC
2. Fugitive Monitoring Report is enclosed as Annexure-I.
3. Stack Monitoring Report as Annexure-II.

Enclosures:-

4. Online Stack Monitoring Report (OCEMS) as Annexure-III.
5. Copy of AAQ Monitoring Report as Annexure-IV.
6. CAAQMS data from 04 stations as Annexure-V.
7. TCLP test for SMS slag as Annexure-VI.
8. Copy of Noise (Ambient & Work Zone) as Annexure-VII.
9. OHS record is enclosed as Annexure-VIII.
10. Drinking water Analysis Report as Annexure-IX.

SIX MONTHLY COMPLIANCE REPORT (JUNE-2024) FOR

Project Name- Induction Furnace 15 x 20 T (0.9 MTPA), 0.84 MTPA Rolling Mill (Hot Rolling Mill-0.65 MTPA + Cold Rolling Mill-0.19 MTPA) with Captive Power Plant 45 MW (45 MW Dolochar-coal mix based)

EC No-3311/EN/T-II-I/016/2018 dated 03.10.2018

Location: - Village-Gokulpur, P.O-Shyamraipur, District-Paschim Midnapore (W.B.)

ORISSA METALIKS PRIVATE LIMITED

OMPL
ORISSA METALIKS PRIVATE LIMITED

M/s ORISSA METALIKS PRIVATE LIMITED

1, GRASTIN PLACE, ORBIT HOUSE

3rd FLOOR, ROOM NO -3B KOLKATA – 700 001

WEST BENGAL

Ph No.–033 – 22438518

Email id-orissametalikspvtltd@gmail.com

Name of the Project: - Induction Furnace 15 x 20 T (0.9 MTPA), 0.84 MTPA Rolling Mill (Hot Rolling Mill-0.65 MTPA + Cold Rolling Mill-0.19 MTPA) with Captive Power Plant 45 MW (45 MW Dolochar-coal mix based) by M/s Orissa Metaliks Pvt. Ltd.

Clearance Letter/s No. and date: - EC No- 3311/EN/T-II-I/016/2018 dated 03.10.2018

Period of Compliance Report - October 2023 to March 2024

<table>
<tr><th>S.No</th><th>CONDITION</th><th>COMPLIANCE STATUS</th></tr>
<tr><td>1</td><td>Existing project as per EC: - Induction Furnace 15 X 20 T (0.9 MTPA), Rolling Mill 0.84 MTPA with 45 MW CPP.</td><td>Noted</td></tr>
<tr><td>2</td><td>Project after proposed expansion and change in product mix & configuration of plant :- Induction Furnace 15 X 20 T (0.9 MTPA) with matching LRF & CCM, Rolling Mill 0.84 MTPA (Hot Rolling Mill-0.65 MTPA + Cold Rolling Mill-0.19 MTPA) with 45 MW Coal Dolochar Mix based Captive Power Plant</td><td>Noted</td></tr>
<tr><td>3</td><td>Project Location: - Mouza-Mathurakismat (J.L. no. 114) & Amba (J.L. No. 115), Village- Gokulpur, P.O-Shyamraipur, P.S-Kharagpur, Dist.-Paschim Medinipur, West Bengal.
Latitude: 22°22'36.54" N, Longitude: 87°17'05.15" E</td><td>Noted</td></tr>
<tr><td>4</td><td>
<table>
<tr><td></td><td>Unit</td><td>Existing</td><td>Additional</td><td>Total</td></tr>
<tr><td rowspan="4">Main plant</td><td>Induction Furnace with matching LRF and CCM</td><td>10 X 20 T</td><td>5 X 20 T</td><td>15 X 20 T</td></tr>
<tr><td rowspan="2">Rolling Mill</td><td rowspan="2">0.55 MTPA</td><td>Hot Rolling Mill-2,50,000 TPA</td><td rowspan="2">8,40,000 TPA</td></tr>
<tr><td>Cold Rolling Mill-40,000 TPA</td></tr>
<tr><td>Captive Power Plant</td><td>45 MW – (1 X 200 TPH-Coal Dolochar Based)</td><td>-</td><td>45 MW (1 X 200 TPH-Coal Dolochar Based)</td></tr>
<tr><td rowspan="5">Products</td><td>Product</td><td>Existing Permission</td><td>Additional</td><td>Total</td></tr>
<tr><td>MS Billet</td><td>6,00,000 TPA</td><td>3,00,000 TPA</td><td>9,00,000 TPA</td></tr>
<tr><td rowspan="2">TMT bars, wire & Wire Rod</td><td rowspan="2">0.55 MTPA</td><td>TMT bars, Wire & Wire Rod-2,50,000 TPA</td><td>6,50,000 TPA</td></tr>
<tr><td>Wire/Coil, Flat Sheet & Nails-40,000 TPA</td><td>1,90,000 TPA</td></tr>
<tr><td>Captive Power Plant (CFBC Based)</td><td>45 MW (Coal Dolochar Mix based)</td><td>-</td><td>45 MW (coal Dolochar Mix Based)</td></tr>
</table>
</td><td>Noted</td></tr>
<tr><td>5</td><td>Total Raw Materials Requirement: - Sponge Iron: 7,91,000 TPA, Steel Scrap/Pig Iron: 2,60,000 TPA, Lime Stone/Dolomite: 52,000 TPA, Ferro Alloy: 7,300 TPA, Coal; 1,12,200 TPA & Dolochar: 2,00,000</td><td>Noted</td></tr>
</table>

<table>
<tr><td></td><td>TPA</td><td></td></tr>
<tr><td>6</td><td>Land: - Existing Plant area is 30 Acres. The expansion / modification will be within the existing plant premises only. Greenery will be developed in 11.22 acres (37 %).</td><td>In the financial year 2023-24 from October 2023 to March 2024 297 nos trees planted. Total 1,100 nos. of trees were planted in Fy 2023-24 and the survival rate is 96.0%. Total area covered in green belt is 33%. The Green Belt details for period October 2023 to March 2024 are as follows:
<table>
<tr><th>Sl. No.</th><th>Species Planted</th><th colspan="6">Quantity in Numbers</th></tr>
<tr><td>1</td><td>Gulmohar</td><td colspan="6">60</td></tr>
<tr><td>2</td><td>Mahogany</td><td colspan="6">77</td></tr>
<tr><td>3</td><td>Kadam</td><td colspan="6">120</td></tr>
<tr><td>4</td><td>Tabebuia rose</td><td colspan="6">40</td></tr>
<tr><td colspan="2">Survival of plantation</td><td>Before 2019</td><td>2019-2020</td><td>2020-2021</td><td>2021-2022</td><td>2022-2023</td><td>2023-2024</td></tr>
<tr><td colspan="2">Total Seedling/ Plantation (No.)</td><td>4,000</td><td>1,000</td><td>4,000</td><td>4,000</td><td>4,000</td><td>1,100</td></tr>
<tr><td colspan="2">Survival Trees (No) as on date from date of EC</td><td>2,500</td><td>960</td><td>3,840</td><td>3,840</td><td>2,500</td><td>1056</td></tr>
<tr><td colspan="2">TOTAL SURVIVAL TREES/ SAPLING TILL DATE</td><td colspan="6">13,750</td></tr>
<tr><td colspan="2">Area Covered (Acres)</td><td colspan="6">14.50</td></tr>
</table>


 </td></tr>
<tr><td>7</td><td>Project Cost: project cost 290 Crores as per earlier EC. Project Cost remains same as investment for proposed proposal as 25 MW CPP will not be installed and its place 05 no. I.F. with Rolling Mill is proposed.
Pollution Control Cost: no change in project Cost</td><td>Noted
Adequate fund provision (Rs 20 Crores capital cost & Rs 2.0 Crores Annual cost) is already being earmarked for environmental protection measures and will not be diverted to other purpose. The detail about the Recurring Cost on</td></tr>
</table>

<table>
<tr><td></td><td>because of proposed proposal. Capital cost: Rs. 20.00 Crores; recurring cost: Rs. 2.00 Crores/ Annum remain same.</td><td>Environmental Safeguard for current operational plant is :
<table>
<tr><th>Year</th><th>Particulars</th><th>Narration</th><th>Amount</th></tr>
<tr><td rowspan="4">FY 2023-2024

(Oct.23 to Mar.24)</td><td>Green Belt Development</td><td>Maintenance, labour cost etc.</td><td>22,700</td></tr>
<tr><td>House Keeping</td><td>Labour charges, Drainage Cleaning and other materials</td><td>2,22,000</td></tr>
<tr><td>Analysis & Monitoring of Environmental Parameters</td><td>Stack, Fugitive, Ambient, Water etc. Monitoring & Analysis, In-house Analysis</td><td>1,17,500</td></tr>
<tr><td>O & M on A.P.C Devices</td><td>Operation & Maintenance cost, Electricity consumption etc. on A.P.C Device installed.</td><td>8,20,000</td></tr>
<tr><td colspan="3">TOTAL (INR)</td><td>11,82,200</td></tr>
</table></td></tr>
<tr><td>8</td><td>Make-up water Consumption: make up water requirement is 2712 KLD.

Source: Existing Bore well/ Rainwater Harvesting Pond.</td><td>Noted

Orissa Metaliks Private Limited has already obtained sufficient permission for Ground water withdrawal & Surface water (from river Kansabati) from SWID West Bengal.</td></tr>
<tr><td>9</td><td>Manpower : Total- 350</td><td>Noted</td></tr>
<tr><td>10</td><td>Air pollution Control device Detail
<table>
<tr><th>Unit Name</th><th>Configuration</th><th>APC & Stack Detail</th></tr>
<tr><td>Induction furnace with LRF & CCM</td><td>15 X 20 T</td><td>03 no Bag Filter with 03 no. stack of 35 meter</td></tr>
<tr><td>Hot Rolling Mill with induction heater</td><td>6,50,000 TPA</td><td rowspan="2">----</td></tr>
<tr><td>Cold Rolling Mill with Annealing heater</td><td>1,90,000 TPA</td></tr>
<tr><td>45 MW- CFBC based CPP (Dolochar Coal mix based)</td><td>1 x 200 TPH</td><td>ESP Stack. 1 no., 75 m</td></tr>
</table></td><td>Noted and being complied with by holding & subsidiary company both.

<u>Bag Filter Connected with 5 × 20 T Induction Furnace & 1 × 20 T LRF</u>
  </td></tr>
</table>

Bag Filter Connected with 5 × 20 T Induction Furnace

11	Solid waste	**Sl. No**	**Solid Waste**	**Revised Quantity generation (TPA)**	**Solid Waste management**	Noted and being complied with Slag is being used for Road Construction. Low land levelling & paver Bock making. Solid waste (dust as collected in the de-dusting System) from SMS is used in the pellet plant as palletisation mix. Environmental statement for financial year 2022-23 in prescribed format has been submitted to WBPCB vide letter no-OMPL/ENV_Statement/2023-2024 dated 21.09.2023 and OMIPL/ENV_Statement/2023-2024 dated 27.09.2023
		1	Slag and Dust from Induction Furnace	1,71,125	Slag to be used for Road Construction. Low land-filling & paver Bock making after recovering metal from slag crushing unit. Solid waste (dust as collected in the Dedusting System) from SMS will be used in the pellet plant as palletisation mix.	
		2	Mill scale and scraps from Rolling Mill & CCM	34,800	Used as raw material in SMS Plant	
		3	Fly Ash	96,15	Used as a	

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				0	raw material for cement manufacturing / brick manufacturing.	
		4	Bottom Ash	55,730	Used for land filling/road construction purpose.	
12	Power requirement: 157 MW					Noted
13	Applicability of EIA Notification 2006: Category B1 [3 (a): metallurgical Industry (ferrous & Non Ferrous) & 1 (d) Thermal power Plant]					Noted

SL. NO	SPECIFIC CONDITION	COMPLIANCE STATUS
1	The gaseous emissions from various process units should conform to the load/mass-based standards prescribed by the Ministry of Environment & Forests and the State Pollution Control Board from time to time. At no time the emission level should go beyond the prescribed standards.	Being complied SMS with matching LRF, CCM & rolling mill are in operation and rest of the facilities are yet to be implemented. Necessary measures have been adopted by the management for preventing gaseous emission for operational plant. Load/mass-based standards for the financial year 2022-2023 has been submitted in the prescribed format with Environmental Statement to the West Bengal Pollution Control vide letter no-OMPL/ENV_Statement/2023-2024 dated 21.09.2023 and OMIPL/ENV_Statement/2023-2024 dated 27.09.2023 Fugitive emission analysis is being done on regular basis by M/s Qualissure Laboratory Services, West Bengal which is NABL accredited laboratory. The analysis data as per report (April 2024) are: **Parameter** / **Near SMS Area** / **Near Truck Parking Area** SPM (µg/m³) / 266 / 257 Fugitive monitoring reports are attached as **Annexure No.-I.**
2	Induction furnaces should be provided with fume extraction and dedicated pollution control systems consisting of Swivelling Hood, Spark Arrestor cum Cyclone separator, Bag Filter, ID Fan etc. and stack of height 30m from G.L. as proposed. Secondary fume extraction system with adequate side suction should be provided to prevent fugitive emission during charging. Adequate dust extraction system to be provided with re-heating furnace of rolling mills. Stack emission (PM) should not exceed 50 mg/Nm³. Stack emissions should be monitored at regular intervals and records should be maintained.	Being complied 24 x 7 continuous emission monitoring system have been installed as per CPCB guideline at process stacks to monitor stack emission and the data are being transferred to CPCB online server. Existing SMS with LRF are equipped with bag filters, hood and I.D. Fans. All bag houses are design to meet the emission below CTO standard limit. Stack monitoring of the currently operating units is carried out on regular basis by W.B.P.C.B/ NABL/ MoEF&CC authorized laboratories. Stack monitoring report is enclosed as **Annexure-II.** Also, as per CPCB guidelines OCEMS (Particular Matter) is installed and data is continuously being transferred to CPCB server. Six monthly data of OCEMS is enclosed as **Annexure-III.**

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<table>
<tr><td>3</td><td>Dust collection from Bag filter should be done through pneumatic control system. Collected dust is to be sold for land filling subject to the condition that it does not fall under the Hazardous wastes (Management, Handling and Transboundary Movement) Rules, 2008.</td><td>Being Complied

As stated earlier SMS with matching LRF, CCM & rolling mill are in operation and rest of the facilities are yet to be implemented. For the operational plant, dust collection from Bag filter is done through pneumatic control system and is used for levelling, in pellet making etc.

For the proposed remaining units same will be adopted.</td></tr>
<tr><td>4</td><td>High efficiency ESPs should be installed in CPP to ensure that particulate emission does not exceed 50 mg/Nm^3. Adequate dust extraction system and water spray system in dust prone areas such as coal handling plant & ash handling plant & ash handling plant/ points, transfer areas and other vulnerable areas shall be provided. Space for FGD is to be provided as submitted.</td><td>Will be complied with

SMS with matching LRF, CCM & rolling mill are in operation and rest of the facilities are yet to be implemented. The APC dust from SMS is used in pellet plant.

The CPP project has not been started till date. The stipulated conditions will be complied in parallel with implementation of the project.</td></tr>
<tr><td>5</td><td>Regular monitoring of the air quality shall be carried out in and around the plant and records shall be maintained.</td><td>Being Complied

Ambient Air Quality Monitoring (AAQM) is being done on regular basis by WBPCB/ MoEF&CC/ NABL accredited laboratories.

Ambient Air Quality (AAQ) are monitored at two locations viz., Near Plant Main Gate and Latibpur Village by third party monitoring agency M/s. Qualissure Laboratory Services which is NABL/ WBPCB accredited laboratory. As per monitoring reports for the month of March 2024 the emission levels are as follows:

<table>
<tr><th>Parameter</th><th>Near Plant Main Gate</th><th>Latibpur Village</th></tr>
<tr><td>PM_{10} ($\mu g/m^3$)</td><td>75.0</td><td>52.0</td></tr>
<tr><td>$PM_{2.5}$ ($\mu g/m^3$)</td><td>35.0</td><td>38.0</td></tr>
<tr><td>SO_2 ($\mu g/m^3$)</td><td>7.8</td><td>5.4</td></tr>
<tr><td>NO_2 ($\mu g/m^3$)</td><td>32.7</td><td>23.4</td></tr>
<tr><td>CO ($\mu g/m^3$)</td><td>652</td><td>595</td></tr>
</table>

AAQM reports are attached for your ready reference as Annexure No.-IV.

Also after taking into consideration the interest and financial share cost from associate company of the Group, for monitoring the Ambient Air quality around industrial units of the Group, 04 nos. Continuous Ambient Air Quality Monitoring Station (USEPA/ MCERT approved) is installed covering upwind, downwind and crosswind directions after getting site approval from WBPCB. CAAQMS data is enclosed as Annexure-V.</td></tr>
<tr><td>6</td><td>Adequate measures to be adopted for control of fugitive emission. Regular water sprinkling should be done to control the fugitive emission. Bag filter of adequate capacity to be provided to the raw material handling section.</td><td>Being Complied With and will continue to be complied. Adequate Measures have been taken for reducing the RSPM levels in the ambient air like

1. Fixed water sprinklers are provided in the potential internal roads, plant area and raw materials handling areas.

2. One number of Mobile water sprinkler tanker and one number of water mist cannon have been</td></tr>
</table>

		engaged for regular water sprinkling in the haul roads of construction areas for control of fugitive dust emission. 3. Frequency of Mechanical Street sweeping machine with vacuum cleaning has been increased (from 2 times a days to 04 times a day). 4. Adequate dust suppression and extraction system are provided in material storage areas, material unloading and transfer points for controlling fugitive emission and the dust from APC devices are collected and reused in the process. 5. Movable water mist fog system is being used.
7	Water meter to be installed at every inlet point of fresh water uptake and also at circulation points and regular records to be maintained.	Being complied with Water meter at the bore well is installed and daily log book are maintained. Also Online continuous telemetry system is provided to all the bore wells and the data is transferred to SWID, West Bengal.
8	Groundwater should not be abstracted without obtaining permission from the competent authority as per The West Bengal Ground Water Resources (Management, Control and Regulation) Act, 2005. Water requirement for the proposed expansion project should be met from DVC as per permission obtained.	Being complied with Sufficient water extraction permission from SWID, Government of West Bengal has been obtained.
9	Sponge iron and Pig iron should be used as major raw material in Induction Furnace (at least 70% of the total input). Use of galvanized iron scrap as raw material is not permitted.	Being Complied Sponge iron and pig iron are used as major raw material in operational Induction Furnaces.
10	Covered storage yard for raw materials to be provided. Loading and unloading operations should not be carried out in open areas.	Being Complied Covered storage yard for raw materials is provided. Loading and unloading operations for operational unit is not carried out in open areas.  
11	As proposed, the unit must develop storage facilities to harvest rain water of capacity 900 KL so as to use the stored water for plantation, fire fighting, washing & cleaning etc. Recharging of ground water is not permitted. ORISSA METALIKS PRIVATE LIMITED	Being Complied Storage facilities to harvest rain water of capacity 900 KL is in place and water is used for plantation, fire fighting, washing & cleaning etc. 

<table>
<tr><td>12</td><td>Process effluent discharge is not permitted. Cooling water should be recycled.</td><td>Being Complied

SMS with matching LRF, CCM & rolling mill are in operation and rest of the facilities are yet to be implemented. It has been stated that the conditions were considered in the design of the project. Plant is designed as Zero Discharge plant. Water analysis report is enclosed as Annexure-IX. As per the report the values are within the permissible limit.</td></tr>
<tr><td>13</td><td>Solid wastes are generated in the form of scrap and slag. Scrap should be recycled in the proposed plant as proposed. Slag may be used for road construction and land filling; however, indiscriminate dumping is not permitted under any circumstances.</td><td>Being Complied/

SMS Slag is used for road construction and land filling after maximum recovery of metal. TCLP test for SMS slag is enclosed as Annexure-VI. The detail of solid waste generated and its management practice adopted for SMS & rolling mill is:

<table>
<tr><th>S. No.</th><th>Particulars</th><th>Disposal Scheme</th></tr>
<tr><td>1.</td><td>Slag from SMS Slag</td><td>Slag to be used for road construction, Low land levelling & paver block making after recovering metal from slag crushing unit and doing TCLP test. Solid waste (dust as collected in the de-dusting system) from SMS will be used in the pellet plant as pelletization mix</td></tr>
<tr><td>2</td><td>Mill scale & Scrap / End cuts from Rolling mill</td><td>Used as raw material in SMS plant.</td></tr>
</table>
</td></tr>
<tr><td>14</td><td>Ambient noise level should not exceed the permissible limit. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dB(A) Leq (daytime) and 70 dB (A) Leq (night-time) and 70 dB(A) Leq (night time) and its subsequent amendments.</td><td>Being Complied

SMS with matching LRF, CCM & rolling mill are in operation and rest of the facilities are yet to be implemented. Noise Monitoring is being done on regular basis by M/s. Qualissure Laboratory Services NABL accredited laboratory at three locations viz. Plant Main gate, Amba Village & Near SMS Area and noise levels are as follows:

<table>
<tr><th>Parameter</th><th colspan="2">Near Plant Main gate</th><th colspan="2">Latibpur Village</th><th colspan="2">SMS Area</th></tr>
<tr><td></td><td>Day</td><td>Night</td><td>Day</td><td>Night</td><td>Day</td><td>Night</td></tr>
<tr><td>Leq (dBA)</td><td>62.7</td><td>50.7</td><td>53.5</td><td>43.8</td><td>61.1</td><td>54.1</td></tr>
</table>

The Ambient & Work Zone Noise quality monitoring reports are attached as Annexure – VII.</td></tr>
<tr><td>15</td><td>At least 5000 nos. of recommended species to be planted in the green belt area of 10.22 acres. Indicative list of species is given at Annexure-I. Green belt compromising of three rows of trees with thick canopy should be developed all along the periphery of the plant.</td><td>Being Complied

As mentioned in point no-6, In the financial year 2023-24 from October 2023 to March 2024 297 nos trees planted. Total 1,100 nos. of trees were planted in Fy 2023-24 and the survival rate is 96.0%. Total area covered in green belt is 33%.</td></tr>
</table>

16	All internal roads should be concreted /pitched. Proper lighting and proper pathway inside the factory premises should be constructed to ensure safe vehicular movement. Provision of separate pathway for entry and exit of vehicles should be considered. Vehicles should conform to pollution under control (PUC) norms. Proper housekeeping shall be maintained within the premises. Solar lighting should be used as far as practicable.	Being/Will be Complied Concreting of internal road with proper drainage system is going on and balance will be done in parallel with implementation of project. Proper lighting and proper pathway inside the factory premises are constructed to ensure safe vehicular movement. Provision of separate pathway for entry and exit of vehicles is in place. Vehicles conforming to pollution under control (PUC) norms are only allowed inside the plant premises. For effective housekeeping following steps are adopted by the management: • Fixed water sprinklers are provided in the potential internal roads, plant area and raw materials handling areas. • One number of Mobile water sprinkler tanker and one number of water mist cannon have been engaged for regular water sprinkling in the haul roads of construction areas for control of fugitive dust emission. • Frequency of Mechanical Street sweeping machine with vacuum cleaning has been increased (from 2 times a days to 04 times a day). • Adequate dust suppression and extraction system are provided in material storage areas, material unloading and transfer points for controlling fugitive emission and the dust from APC devices are collected and reused in the process. • Movable water mist fog system is being used. Engaged more numbers of dedicated Housekeeping team with proper training and equipment. • Regular painting and cleaning / whitewashing of wall. Scraps are stored in proper demarcated area with proper marking. • Hazardous wastes are stored in dedicated HZW store. • Regular cleaning of drain systems is done. 

ORISSA METALIKS PRIVATE LIMITED

		
17	Health and safety of workers should be ensured. Workers should be provided with adequate personnel protective equipment and sanitation facilities. Occupational Health Surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Agreed and Being Complied With Our management is very much concerned about Health & Safety of workers & as per the WB Factories Rules 1958, Safety Committee meeting is conducted once in every Month, various Safety & Environment Awareness Programme is being observed,   Occupational health surveillance of the workers is being periodically accessed and records are being maintained as per the Factories Act 1948. OHS record is enclosed as **Annexure-VIII.**
18	Adequate measures to be adopted to ensure	Being Complied

	industrial safety. Proper fire detection & protection systems to be provided to control fire and explosion hazards.	Regular mock drills are carried out to create awareness among employees about necessary safety measures to be taken at any unforeseen circumstances. Hydrants, medium velocity spray system, portable fire extinguishers of various capacities containing agents such as CO_2, DCP etc. are located at strategic points of the plant to control fire and explosion hazards.
19	The implementation and monitoring of Environmental Management Plan should be carried out, as proposed.	Being Complied Adequate funds have been deployed in CAPEX and OPEX and an itemised action plan has been drawn for implementing the stipulated conditions. The detail about the Recurring Cost on Environmental Safeguard for current operational plant is discussed in **point no-7.**
20	Trucks carrying coal and other raw material shall be covered with tarpaulin to prevent spreading of dust during transportation.	Being Complied Trucks carrying coal and other raw material are covered with tarpaulin to prevent spreading of dust during transportation.
21	Haulage road shall be sprinkled with water at regular intervals for which tankers with sprinkler arrangement are deployed. Regular sweeping of roads shall be practiced with vacuum sweeping machine or water flushing to minimize dust.	Being Complied With One number of dedicated water spraying tankers on haul roads for dust suppression is in use. Also 10 nos. water sprinkler/ water gun along the roadside covering 0.5 km have been installed to reduce fugitive emission. Regular sweeping of roads is practiced with vacuum sweeping machine to minimize dust.
22	At least 5 MW of solar power to be generated and utilized to reduce coal consumption.	Noted In order to reduce the consumption of non-renewable source of energy (coal), power requirement of the existing operational unit is made from Waste Heat Recovery Boiler (WHRB) attached with DRI Kilns of Orissa Metaliks (P) Ltd Unit-I. But in near future if power requirement increases necessary arrangement will be made for incorporating Solar power.
23	Rain water harvesting pond of area 1.389 acres to create as proposed for surface storage of rain water.	Being Complied One number of rain water harvesting pond on 1.389 acres is in place and harvested rain water is used in plant for green belt development and dust suppression.
24	Rain water to be harvested at least to the extent of 20000 cum/annum and should be utilized in all plant requirement and limit ground water abstraction below 0.6 MGD.	Being Complied Common rainwater harvesting pond of 50,000 KL capacity is in place and harvested rain water is used in plant for green belt development and dust suppression.
25	CSR schemes identified based on public hearing issues and need based assessment shall be implemented in consultation with District Administration starting from the development of project itself.	Being Complied M/s Orissa Metaliks Private Limited has well-defined CSR policy under which OMPL Carry out social development and welfare measures in the surrounding villages. In financial year 2023-24, the company has spent total Rs.35, 65,333 under the head of CSR/CER. The recent CSR/CER photograph are as:

		 Construction of Hanuman Temple at Kantapal  Free Distribution of Blankets among the marginal woman workmen working with OMPL years together has been organized in the Factory Premises

SL. NO.	GENERAL CONDITION	COMPLIANCE STATUS
1	The environmental clearance accorded shall be valid for a period of 7 years for the proposed project.	Noted As per Ministry O.M. issued vide File No.-1A3-22/28/2022-1A.111[E 181584] dated 13th December 2022, the validity of environment clearance is increased to 10 years and is further extendable for another 01 year.
2	Prior Consent-to-Establish (NOC) for the proposed expansion project must be obtained from WBPCB before commencement of construction. All other statutory clearances should be obtained by project proponent from the competent authorities.	Complied The Consent to Establish (NOC) permissions for project were awarded by WBPCB vide NOC no-147019 dated 12.04.2017, amendment dated 15.05.2017 and NOC no-159390 dated 26.07.2019.
3	The project proponent shall comply with all the environmental protection measures and safeguards recommended. Further, the unit must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.	Being Complied As stated, earlier M/s Orissa Metaliks Private Limited has well-defined CSR policy under which OMPL Carry out social development and welfare measures in the surrounding villages.
4	All the conditions, liabilities and legal provisions contained in the EC shall be equally applicable to the successor management of the project in the event of the project proponent transferring the	Noted and Being Complied

<table>
<tr><td></td><td>ownership, maintenance of management of the project to any other entity.</td><td></td></tr>
<tr><td>5</td><td>Provision should be made for the supply of kerosene or cooking gas to the labourers during construction phase. All the labourers to be engaged for construction works should be screened for health and adequately treated before issue of work permits. Environmental sanitation should be ensured for the workers.</td><td>Noted

We have provided housing for construction labour outside the site with cooking, toilets, drinking water, medical health care etc.
   </td></tr>
<tr><td>6</td><td>The project proponent should make financial provision in the total budget of the project for implementation of the environmental safeguards. The project authorities will provide requisite funds both recurring and non-recurring to implement the conditions stipulated by the SEIAA, West Bengal along with the implementation schedule for all the conditions stipulated herein. The funds so provided should not be diverted for any other purpose.</td><td>Being Complied

Adequate fund provision (Rs 20 Crores capital cost & Rs 2.0 Crores Annual cost) is already being earmarked for environmental protection measures and will not be diverted to other purpose.

The detail about the Recurring Cost on Environmental Safeguard for current operational plant is enclosed as point no-7.</td></tr>
<tr><td>7</td><td>No further expansion or modification in the plant should be carried out without prior approval of the State Level Environmental Impact Assessment Authority, West Bengal. In the case of any changes(s) in the scope of the project, the project would require a fresh appraisal by the SEIAA, West Bengal.</td><td>Noted and Agreed

In compliance to this point an application is made to the SEIAA for 'Splitting of Environment Clearance' - 10 x 20 T (0.6 MTPA) Induction Furnace with matching LRF & CCM and Cold Rolling Mill-0.19 MTPA as M/s Orissa Metaliks Private Limited and remaining 05 x 20T (0.3 MTPA) Induction Furnace with matching LRF & CCM, Hot Rolling Mill–0.65 MTPA and 45 MW Coal Dolochar Based Captive Power Plant as M/s Orissa Metallurgical Industry Private Limited at Village-Gokulpur, P.O-Shyamraipur, P.S-Kharagpur (L), Dist. Paschim Medinipur, West Bengal and presentation provided vide Proposal No :SIA/WB/IND1/459037/2024 and File No :2N-45/2016(E) dated 04.05.2024. Approval from the SEIAA/ SEAC West Bengal is awaited. Additional recommendation/ specific condition stipulated will be complied by individual company in the upcoming half yearly compliances.</td></tr>
<tr><td>8</td><td>The West Bengal Pollution Board, who would be monitoring the implementation of environmental safeguards, should be given full cooperation, facilities and documents/ data by the project proponents during their inspection. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to the WBPCB regularly. A complete set of all the documents should also be forwarded to the State level Environment Impact Assessment Authority, West Bengal and also to Regional Office of MoEF&CC, Bhubaneswar.</td><td>Being Complied and will continued to be complied

Regular reports of Monitoring and compliance are submitted to the State Level Environment Impact Assessment Authority, West Bengal & WBPCB regularly. The recent five year details of submission are enclosed here with.

<table>
<tr><th>Sr. No</th><th>Year</th><th>Period Up To</th><th>Submission Date</th></tr>
<tr><td rowspan="2">1</td><td rowspan="2">2018-2019</td><td>Ist Dec 2018</td><td>21.11.2018</td></tr>
<tr><td>Ist June 2019</td><td>23.05.2019</td></tr>
<tr><td rowspan="2">2</td><td rowspan="2">2019-2020</td><td>Ist Dec 2019</td><td>18.11.2019</td></tr>
<tr><td>Ist June 2020</td><td>27.05.2020</td></tr>
</table></td></tr>
</table>

		3	2020-2021	1st Dec 2020	01.12.2020
				Ist June 2021	28.05.2021
		4	2021-2022	1st Dec 2021	01.12.2021
				1st June 2022	26.05.2022
		5	2022-2023	1st Dec 2022	19.11.2022
				1st June 2023	26.05.2023
		6	2023-2024	1st Dec 2023	27.11.2023
9	The State Level Environment Impact Assessment Authority, West Bengal reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act. 1986, to ensure effective implementation of the suggested safeguards measures in a time-bound and satisfactory manner.	Noted			
10	The project Proponent should inform the public that the project has been accorded environmental clearance by the SEIAA, West Bengal and copies of the clearance letter are available with the West Pollution Control Board and may also be seen at Website of the SEIAA, West Bengal (http://environmentwb.gov.in). This should be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned.	Complied The management of OMPL had advertised information regarding grant of Expansion EC in two local newspaper. Details of the said conditions were already furnished with the previous Half Yearly Compliance submitted vide EC compliance letter no – OMPL/ENV COMPL/December 2018 dated 21.11.2018.			
11	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. The criteria pollutant levels namely; PM10, PM2.5, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Complied Monitoring of criteria pollutants level namely; PM_{10}, $PM_{2.5}$, SO_2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters is done by third party monitoring agency M/s. Qualissure Laboratory Services, Kolkata which is NABL accredited laboratory. Emission levels of pollutants of different units is being displayed on board maintained as per CPCB format issued vide File no-B-29016 NGT/C-10/2020/ WM II/Div./ Dated 20th January 2020 outside the main gate of the plant for disclosure to the public and also uploaded on the website of the company **https://orissametaliks.com/qehs.html** Electronic display board has been installed at plant main gate and online stack emission data is also being displayed.			
12	The Project Authorities should inform the State Pollution Control Board as well as the SEIAA, West Bengal, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work/project implementation.	Noted Private Company, no finance is needed from outside.			
13	The above stipulations would be enforced along with those under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the	Noted			

<table>
<tr><td></td><td>Hazardous wastes (Management, Handling and Trans boundary Movement) Rules, 2009, the Public Liability Insurance Act, 1991, the Environment Impact Assessment Notification 2006 and their amendments.</td><td></td></tr>
<tr><td>14</td><td>The contact details of the proponent and the name of the consultant are given below:
<table>
<tr><td>Name of the Contact person with Designation</td><td>Mr. Bijayen Srivastava, Manger-Environment & Pollution</td></tr>
<tr><td>Address</td><td>1, Grastin Place, 3rd Floor, Kolkata-700001</td></tr>
<tr><td>Telephone Number, Fax Number</td><td>033 22438518;
Fax no. 033 2243 8517;
7044070948 (M)</td></tr>
<tr><td>Email</td><td>orissametalikspvtltd@gmail.com</td></tr>
<tr><td>Name of the Environmental Consultant</td><td>Kalyani laboratories Private Limited</td></tr>
</table></td><td>Agreed</td></tr>
<tr><td colspan="3">F. No. IA3-22/8/2021-IA.III [E 150512] dated 18.07.2022</td></tr>
<tr><td>I)</td><td>Sensitization of project proponents on implementation of ban on Single Use Plastic (SUP).</td><td>In order to create awareness among the employees about the harm/ impact of Single Use Plastic on environment, banner and flex are displayed at suitable place like work place, canteen, parking area etc.</td></tr>
</table>

****

ANNEXURE-I

Qualissure Laboratory Services

361, Prantick Pally, 45/361, Bose Pukur Road, Kolkata -700107
Email : qualissure@gmail.com; info@qualissure.com ; Mob.No. 98312 87086 ; 9830093976

TC-6271

DOC NO : QLS/SAMP/08-A/00

TEST REPORT

Name & Address Of the Customer : **M/s. Orissa Metaliks Pvt. Ltd.** Mouza-Mathurakismat, Vill- Gokulpur, P.O- Shyamraipur, P.S- Kharagpur (L), Paschim Medinipur, West Bengal.	Report No. Date Sample No. Sample Description Date of performance Ref No. & Date	: QLS/P-183/23-24/C/03 : 19.04.2024 : QLS/P-183/23-24/03-04 : Fugitive Air : 21.03.2024-23.03.2024 : O124379380, 20.02.2024

Analysis Result of Fugitive Air

Sampling Done by: C.Sahoo

Environmental Condition : Clear & Sunny

Sampling done as per : CPCB Guidelines (Volume-1)

Sample No.	Location	Date of Sampling	Total Suspended Particulate Matter in µg/m³
03	Near SMS Area	19.03.2024	266
04	Near Truck Parking Area		257

NOTE: Fugitive emission Standard - 2000 µg/m³ as per Environment (Protection) rules, 1986

Report Prepared By:

R. Sharma

for **Qualissure Laboratory Services**
Reviewed & Authorized By

Benimadhab Gorai, Chemist
(Authorized Signatory)

------End of the Report------

ANNEXURE-II

WEST BENGAL POLLUTION CONTROL BOARD
Haldia Regional Laboratory
Raghunathchak, P.O.-Barghasipur, P.S.-Bhabanipur
Haldia, Purba Medinipur – 721 657
Tel: (03224) 291292

Analysis Report of Gaseous Emission

Sample ID : 260520230086

1.	Name of Industry	:	*M/s. Orissa Metaliks Pvt. Ltd. (Unit-I)*
2.	Address	:	Vill-Gokulpur, Shyamraipur, Kharagpur, Paschim Medinipur
3.	Category & Type	:	Red/Integrated Steel Plant
4.	Sampling Date	:	24/05/2023
5.	Sampled collected by	:	S. Mukherjee(JEE), HRO
6.	Thimble Number	:	**448**
7.	Name of WBPCB Recognized Laboratory	:	M/s. R. V. Briggs & Co. (P) Ltd.
8.	Duration of Sampling	:	38 min
9.	Height of Stack from ground (m)	:	35.0
10.	Cross section of stack at sampling point (m^2)	:	0.7857
11.	Stack connected to	:	Induction Furnace (6 to10) (5x20 MT each) attached with Common Stack, all furnace were running condition
12.	Emission source (Furnace / Boiler)	:	Melting of Pig Iron and Sponge Iron
13.	Average operational hours of boiler/furnace (per month)	:	720 hr./month
14.	APC System (if any)	:	Bag Filter
15.	Working load of source (MT/hr.)	:	5x20 MT each (all furnace were running in the time of sampling)
16.	Fuel used	:	-
17.	Rated Fuel consumption (Kg or L /hr.)	:	-
18.	Working Fuel consumption (Kg or L /hr.)	:	-
19.	Nature of Furnace / Boiler	:	Induction furnace
20.	Flue Gas Temp (^0C)	:	46.0
21.	Flue gas velocity (m/sec)	:	14.37
22.	Volume of Flue gas drawn in lit (m^3)	:	1.064
23.	Corrected flue gas volume (Nm^3)	:	0.9153
24.	Percentage CO_2 and or O_2	:	CO_2 -0.2% & O_2-19.8%
25.	To be compensated at (%, if required)	:	-
26.	Initial weight of Thimble (g)	:	1.4803
27.	Final weight of Thimble (g)	:	1.4815
28.	Weight of Particulate Matter (mg)	:	1.20
29.	**Particulate Matter (mg/Nm^3)**	:	**1.31**
30.	Barometric Pressure Head in mm of Hg	:	756 mm of Hg
31.	Diameter of the nozzle (mm)	:	6.35 mm
32.	Others	:	-

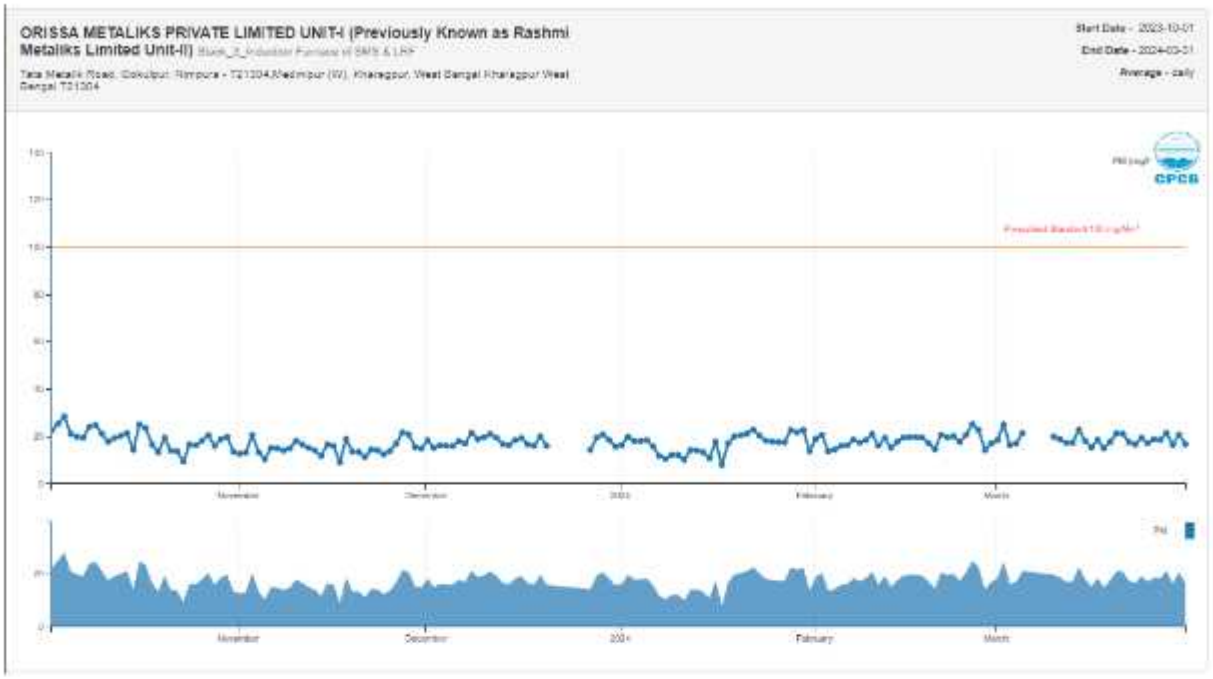
Scientist | Senior Scientist

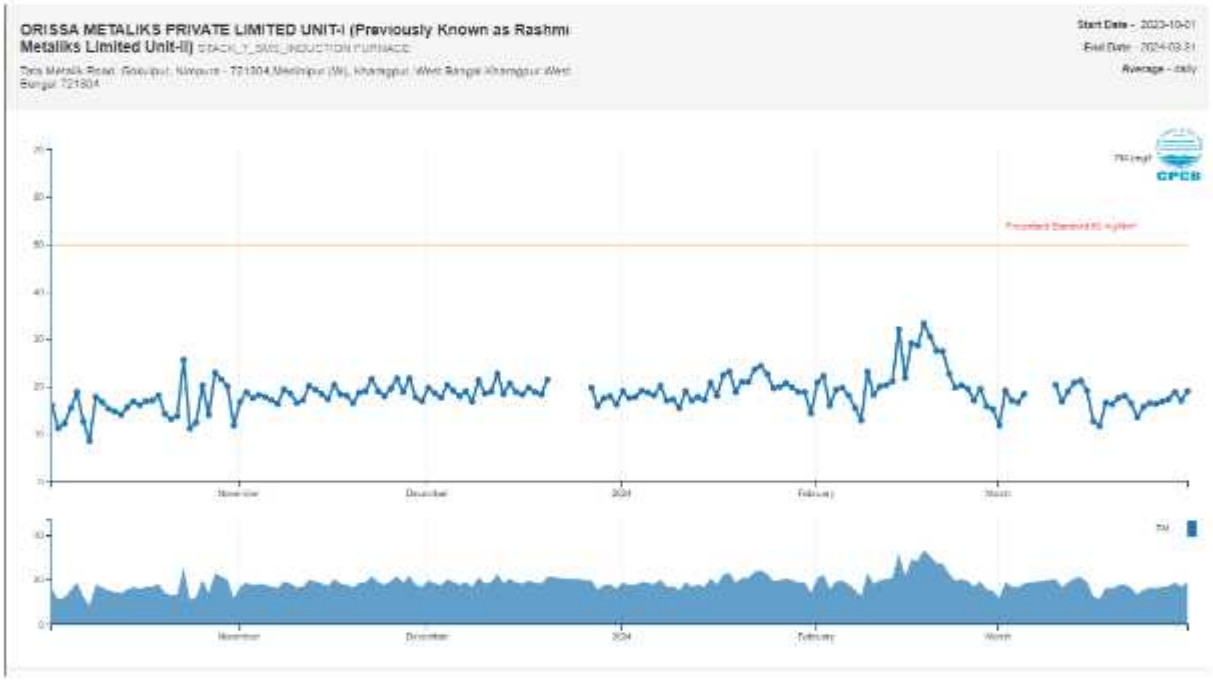
Date of Reporting : 30/05/2023

Copy to :
1. Chief Engineer (O&E)
2. Chief Engineer (Planning)
3. Chief Scientist
4. Haldia Regional Office (2 copies)

ANNEXURE-III

ONLINE CONTINUOUS MONITORING SYSTEM





ANNEXURE-IV

Qualissure Laboratory Services

361, Prantick Pally, 45/361, Bose Pukur Road, Kolkata -700107
Email : qualissure@gmail.com; info@qualissure.com ; Mob.No. 98312 87086 ; 9830093976

TC-6271

DOC NO : QLS/SAMP/08-A/00

TEST REPORT

Name & Address Of the Customer :	Report No.	: QLS/P-183/23-24/C/01
M/s. Orissa Metaliks Pvt. Ltd.	Date	: 19.04.2024
Mouza-Mathurakismat, Vill- Gokulpur,	Sample No.	: QLS/P-183/23-24/01
P.O- Shyamraipur, P.S- Kharagpur (L),	Sample Description	: Ambient Air
Paschim Medinipur, West Bengal.	Date of performance	: 21.03.2024-23.04.2024
	Ref No. & Date	: O124379380, 20.02.2024

Analysis Result

Location : Near Plant Main Gate	Date of sampling : 19-20.03.2024
Sampling Done by: C.Sahoo	Sampling done as per : CPCB Guidelines (Volume-1)
Environmental Condition : Clear & Sunny	

Sl. No.	Pollutants	Result	LIMIT	Method of Test Reference
1	Particulate matter (<10µm) in µg/m³	75	100	IS: 5182 (Part-23) (RA-2017)
2	Particulate matter (<2.5µm) in µg/m³	35	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO_2) in µg/m³	7.8	80	IS: 5182 (Part-2)-2001, (RA-2017)
4	Nitrogen dioxide (NO_2) in µg/m³	32.7	80	IS: 5182 (Part- 6)- (RA-2017)
5	Carbon Monoxide (CO) in µg/m³	652	2000	IS: 5182 (Part- 10)- (RA-2017)

NOTE: Limit as per CPCB notification, New Delhi, 18th November 2009, for Ambient air quality.

Report Prepared By:

R. Sharma

for **Qualissure Laboratory Services**
Reviewed & Authorized By

Benimadhab Goral, Chemist
(Authorized Signatory)

------End of the Report------

Qualissure Laboratory Services

361, Prantick Pally, 45/361, Bose Pukur Road, Kolkata -700107
Email : qualissure@gmail.com; info@qualissure.com; Mob.No. 98312 87086 ; 9830093976
TC-6271

DOC NO : QLS/SAMP/08-A/00

TEST REPORT

Name & Address Of the Customer :	Report No.	: QLS/P-183/23-24/C/02
M/s. Orissa Metaliks Pvt. Ltd.	Date	: 19.04.2024
Mouza-Mathurakismat, Vill- Gokulpur,	Sample No.	: QLS/P-183/23-24/02
P.O- Shyamraipur, P.S- Kharagpur (L),	Sample Description	: Ambient Air
Paschim Medinipur, West Bengal.	Date of performance	: 21.03.2024-23.04.2024
	Ref No. & Date	: O124379380, 20.02.2024

Analysis Result

Location : Latibpur Village	Date of sampling : 19-20.03.2024
Sampling Done by: C.Sahoo	Sampling done as per : CPCB Guidelines (Volume-1)
Environmental Condition : Clear & Sunny	

Sl. No.	Pollutants	Result	LIMIT	Method of Test Reference
1	Particulate matter (<10µm) in µg/m³	52	100	IS: 5182 (Part-23)-(RA-2017)
2	Particulate matter (<2.5µm) in µg/m³	38	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO_2) in µg/m³	5.4	80	IS: 5182 (Part-2)-2001, (RA-2017)
4	Nitrogen dioxide (NO_2) in µg/m³	23.4	80	IS: 5182 (Part- 6)- (RA-2017)
5	Carbon Monoxide (CO) in µg/m³	595	2000	IS: 5182 (Part- 10)- (RA-2017)

NOTE: Limit as per CPCB notification, New Delhi, 18th November 2009, for Ambient air quality.

Report Prepared By:

R. Sharma

for **Qualissure Laboratory Services**
Reviewed & Authorized By

Benimadhab Goral, Chemist
(Authorized Signatory)

-----End of the Report------

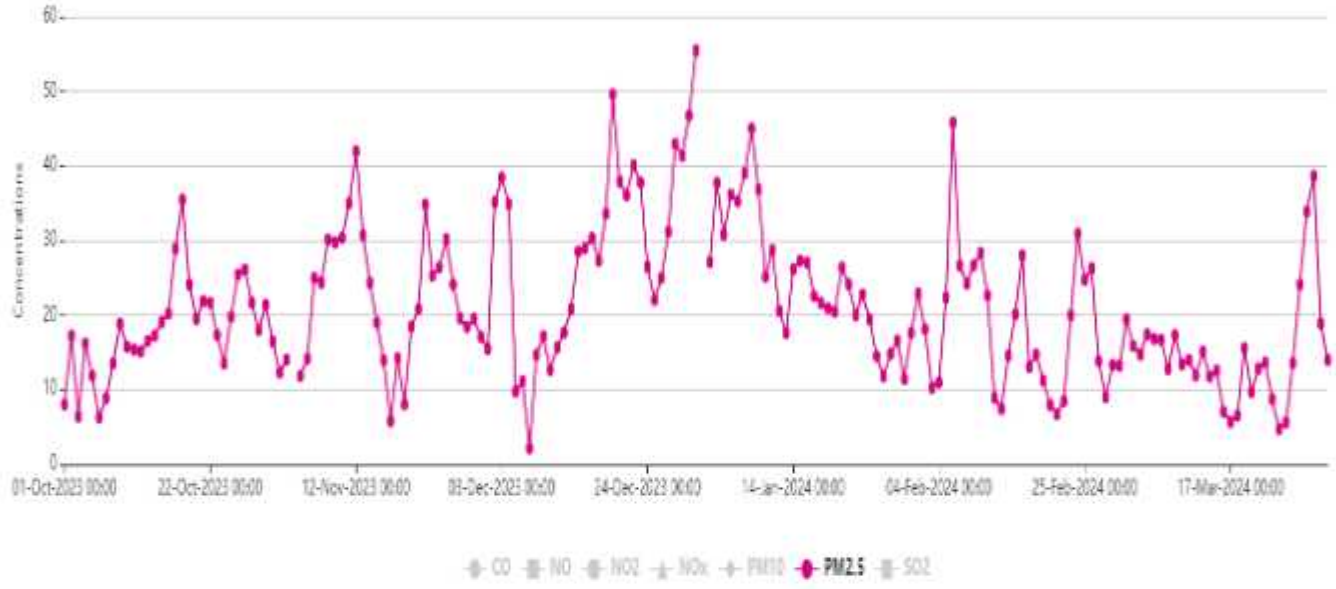
- ***The results relate only to the item(s) tested.***
- ***This Test Report shall not be reproduced without the permission of Qualissure Laboratory Services.***
- ***The reserved part of sample(s), except perishable sample(s), shall be retained for 30 days from the date of issue of the Test Report.***

ANNEXURE-V

CAAQMS DATA (OCOBER 2023 to MARCH 2024)

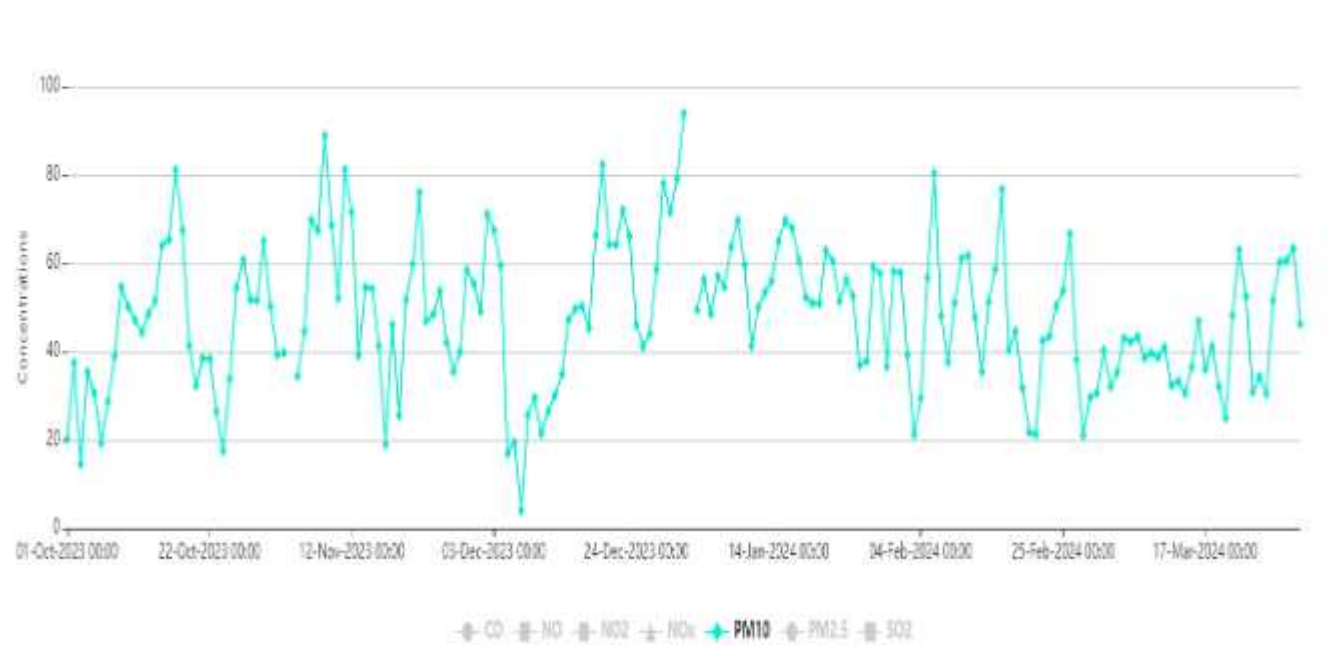
LOCATION : KALYANPUR VILLAGE

Parameters : PM 2.5



LOCATION : KALYANPUR VILLAGE

Parameters : PM 10



ANNEXURE-V

LOCATION : KALYANPUR VILLAGE

Parameters : SO2

LOCATION : KALYANPUR VILLAGE

Parameters : NOx

ANNEXURE-V

LOCATION : RAJOGRAM

Parameters : PM2.5

LOCATION : RAJOGRAM

Parameters : SO2

ANNEXURE-V

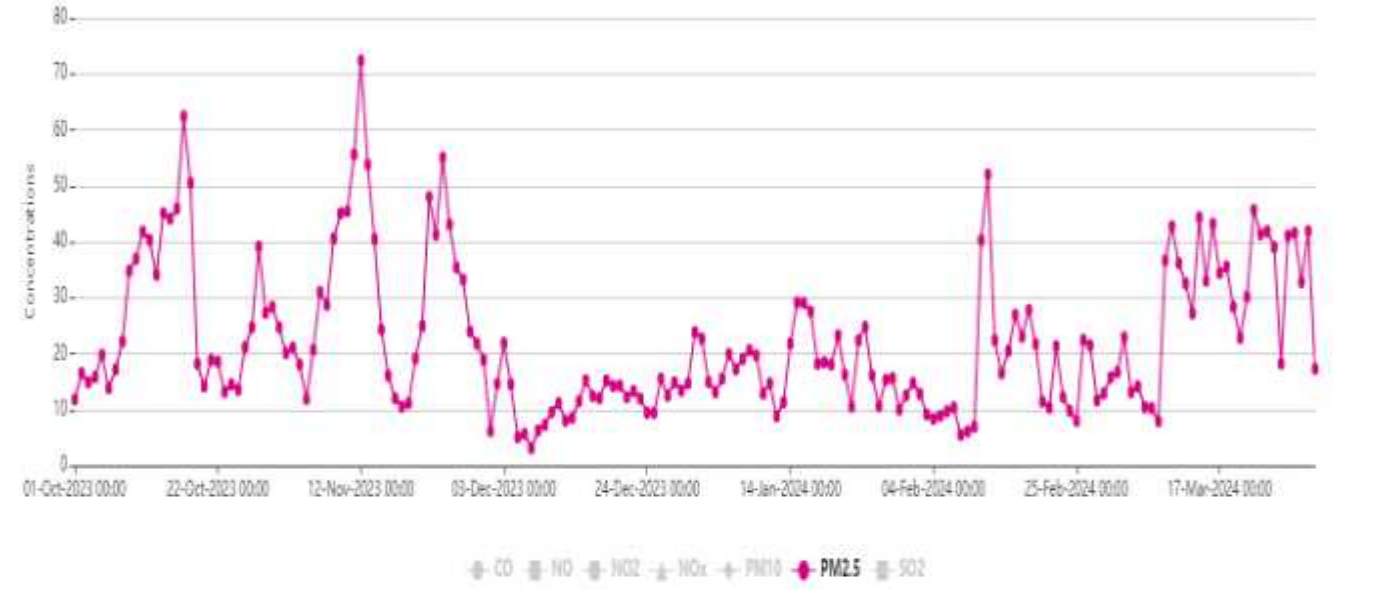
LOCATION : RAJOGRAM

Parameters : NOx

ANNEXURE-V

LOCATION : BARKOLA

Parameters : PM2.5



LOCATION : BARKOLA

Parameters : SO2

ANNEXURE-V

LOCATION : BARKOLA

Parameters : NOx

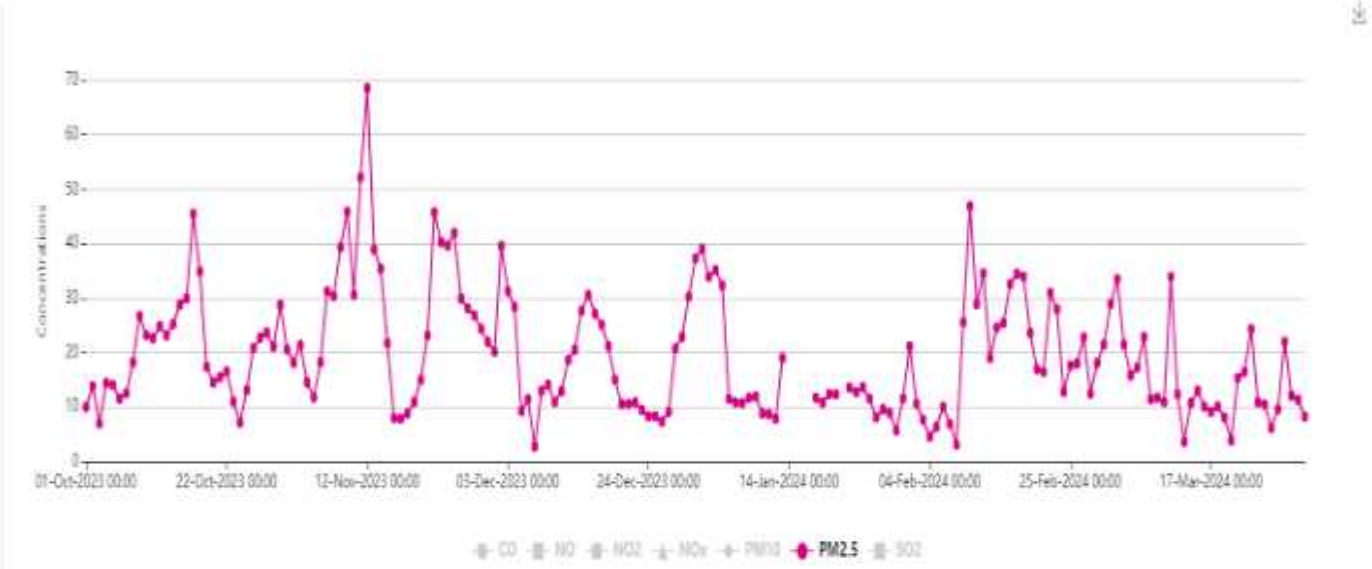
LOCATION : BARKOLA

Parameters : CO

ANNEXURE-V

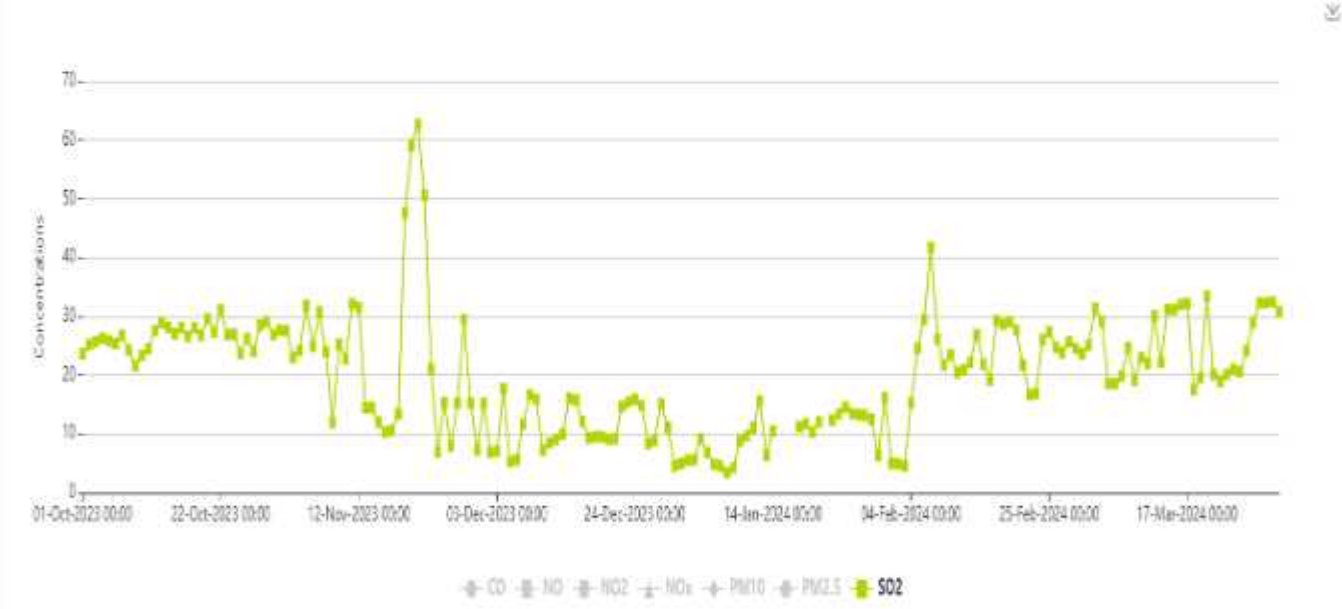
LOCATION : PANCHRULIA

Parameters : PM 2.5



LOCATION : PANCHRULIA

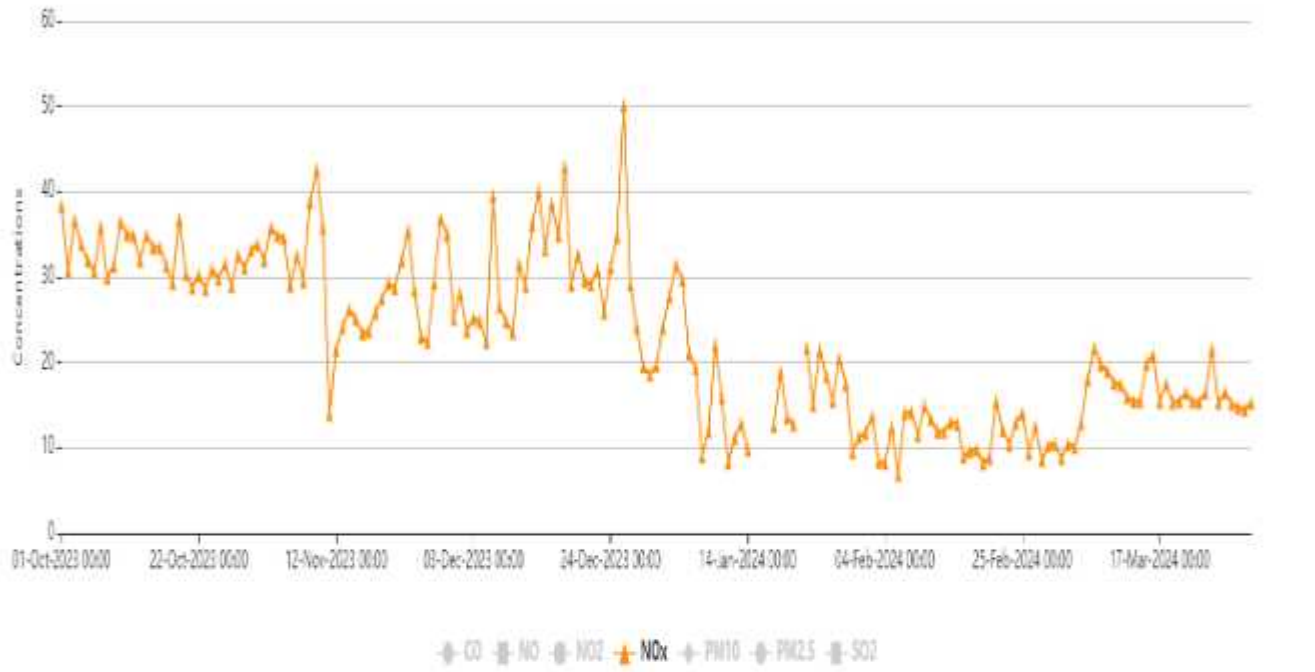
Parameters : SO2



ANNEXURE-V

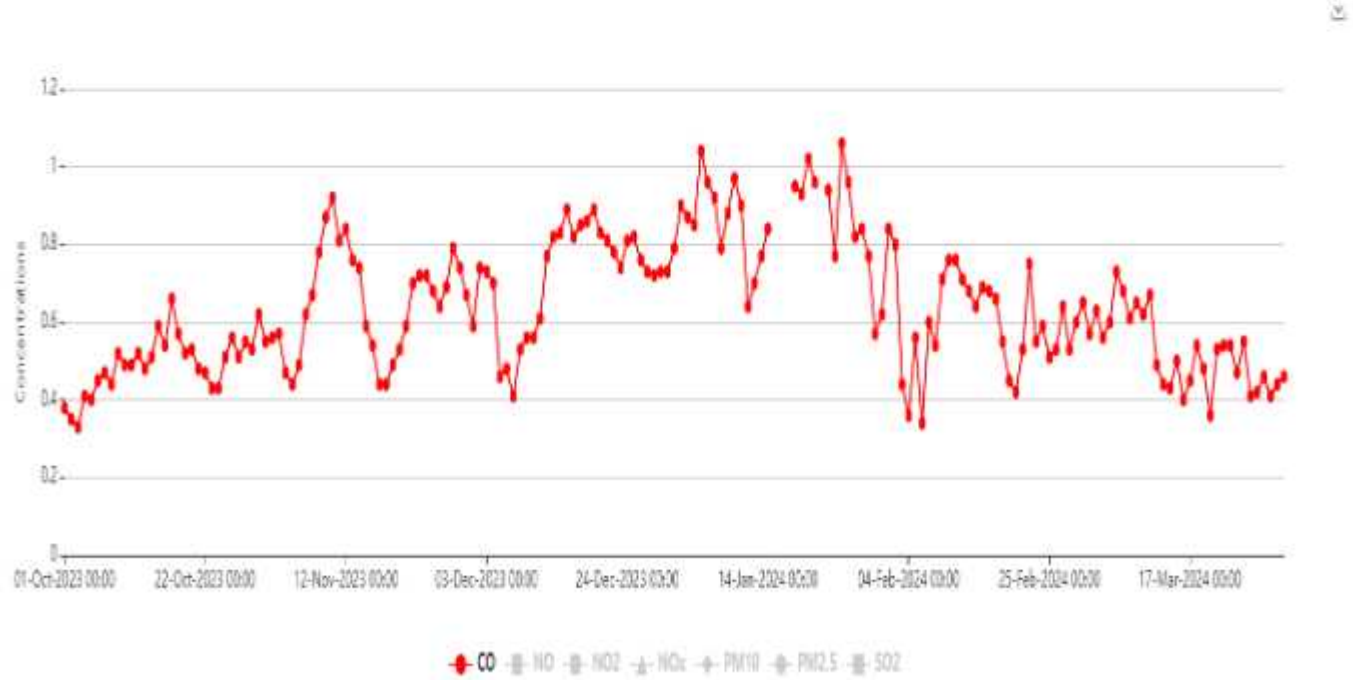
LOCATION : PANCHRULIA

Parameters : NOx



LOCATION : PANCHRULIA

Parameters : CO

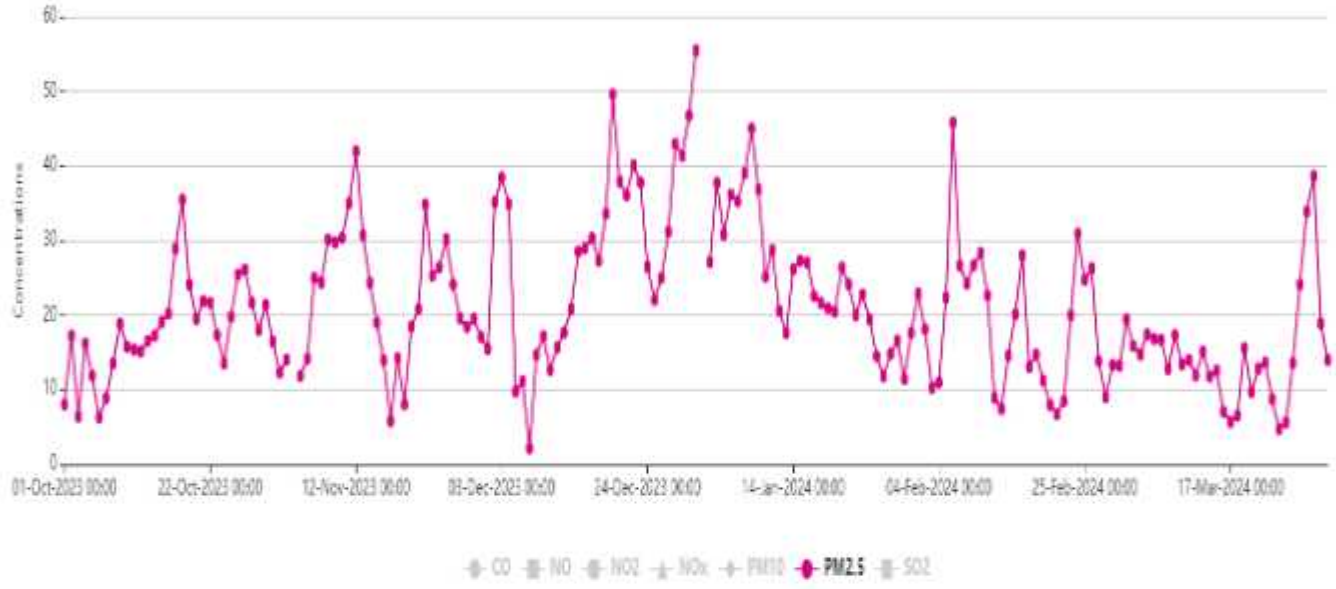


ANNEXURE-V

CAAQMS DATA (OCOBER 2023 to MARCH 2024)

LOCATION : KALYANPUR VILLAGE

Parameters : PM 2.5



LOCATION : KALYANPUR VILLAGE

Parameters : PM 10

ANNEXURE-V

LOCATION : KALYANPUR VILLAGE

Parameters : SO2

LOCATION : KALYANPUR VILLAGE

Parameters : NOx

ANNEXURE-V

LOCATION : RAJOGRAM

Parameters : PM2.5

LOCATION : RAJOGRAM

Parameters : SO2

ANNEXURE-V

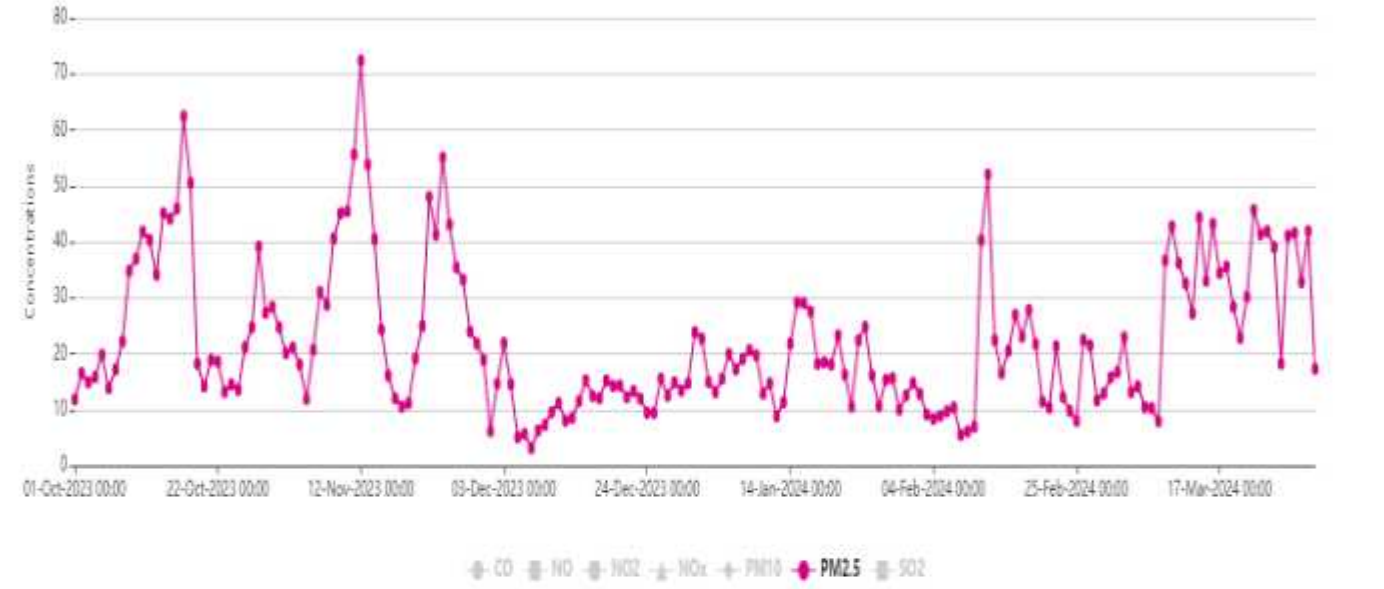
LOCATION : RAJOGRAM

Parameters : NOx

ANNEXURE-V

LOCATION : BARKOLA

Parameters : PM2.5



LOCATION : BARKOLA

Parameters : SO2

ANNEXURE-V

LOCATION : BARKOLA

Parameters : NOx

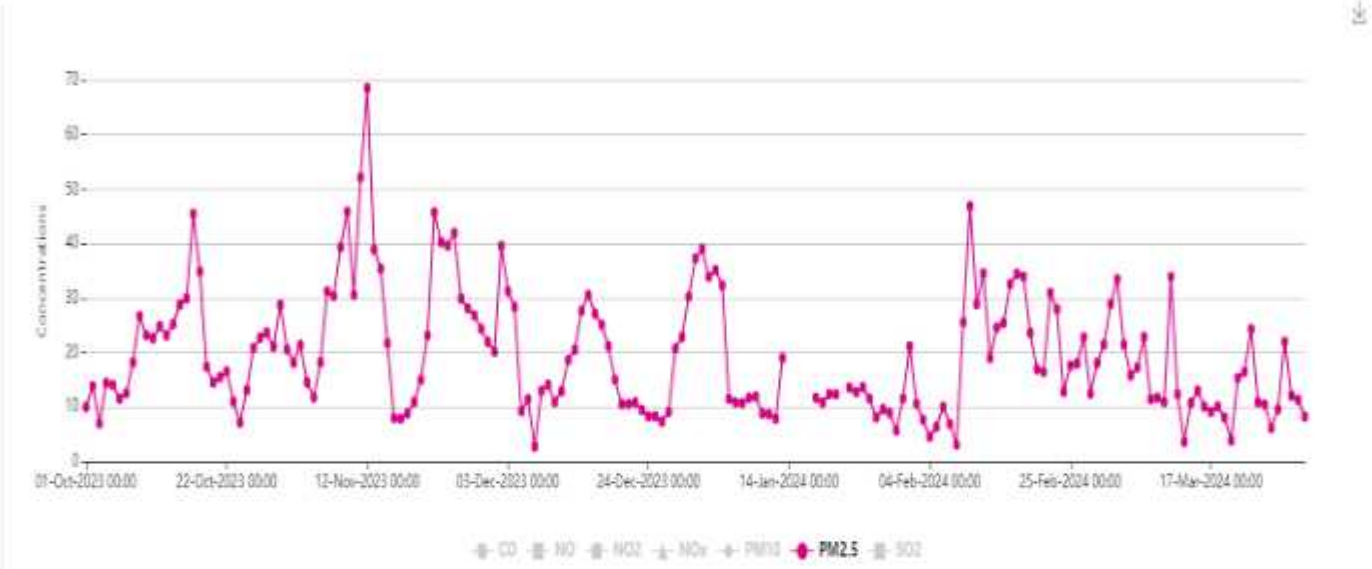
LOCATION : BARKOLA

Parameters : CO

ANNEXURE-V

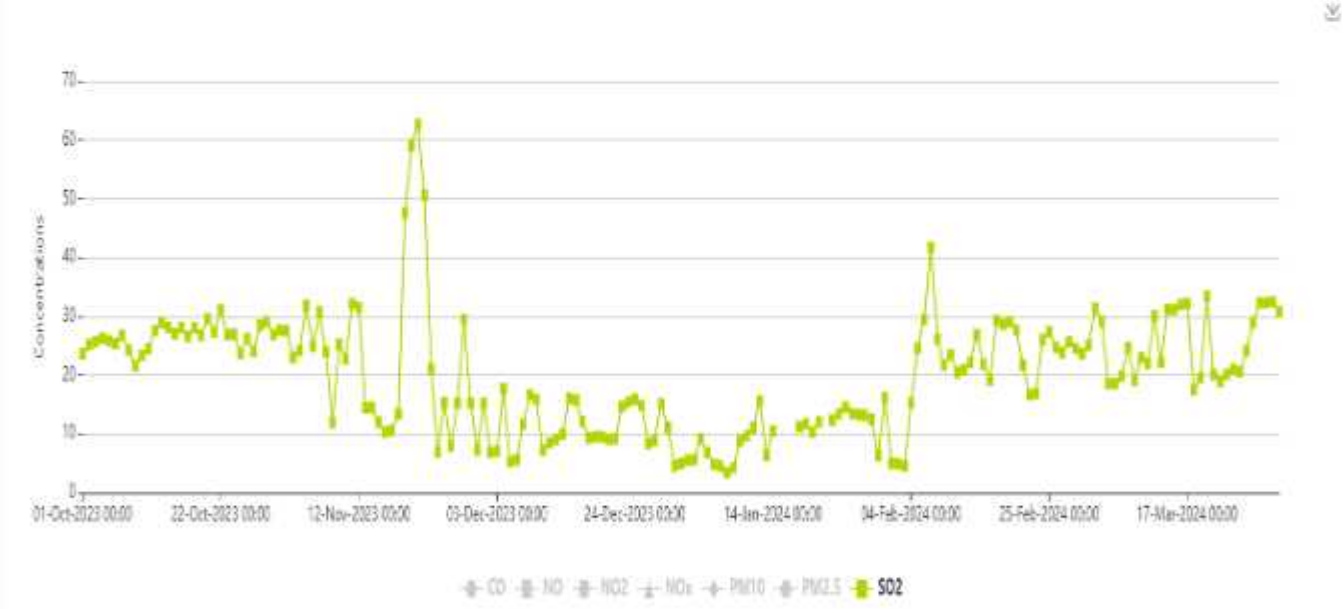
LOCATION : PANCHRULIA

Parameters : PM 2.5



LOCATION : PANCHRULIA

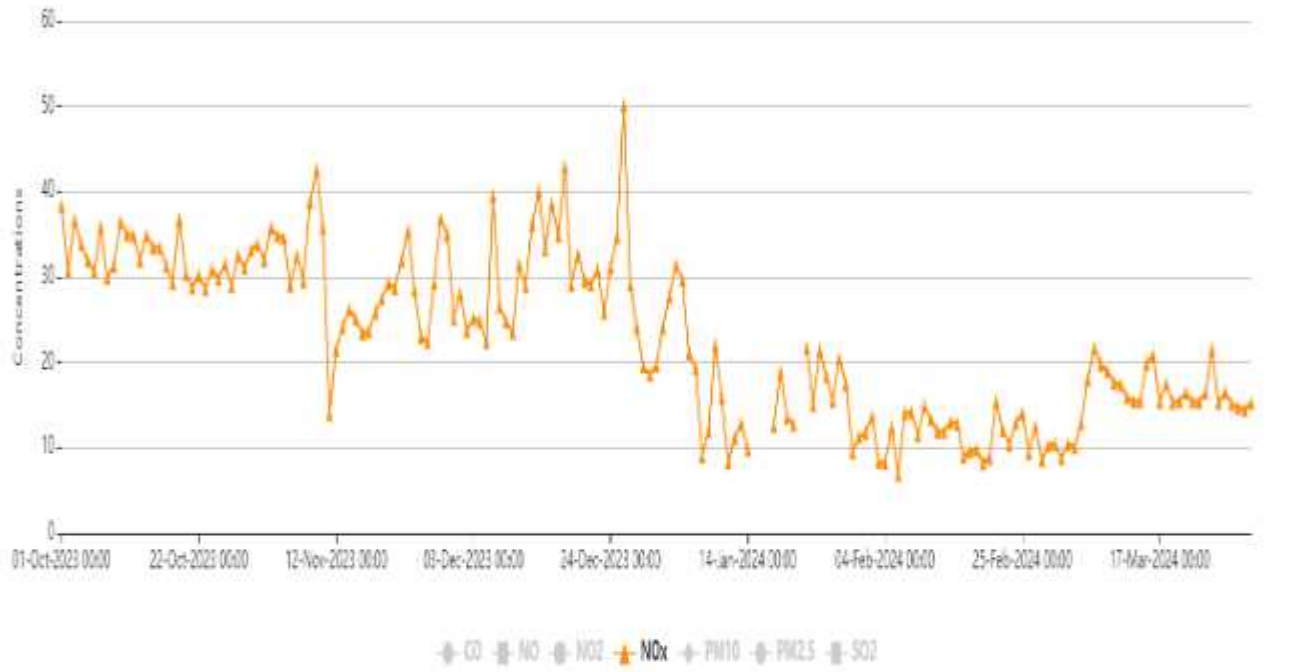
Parameters : SO2



ANNEXURE-V

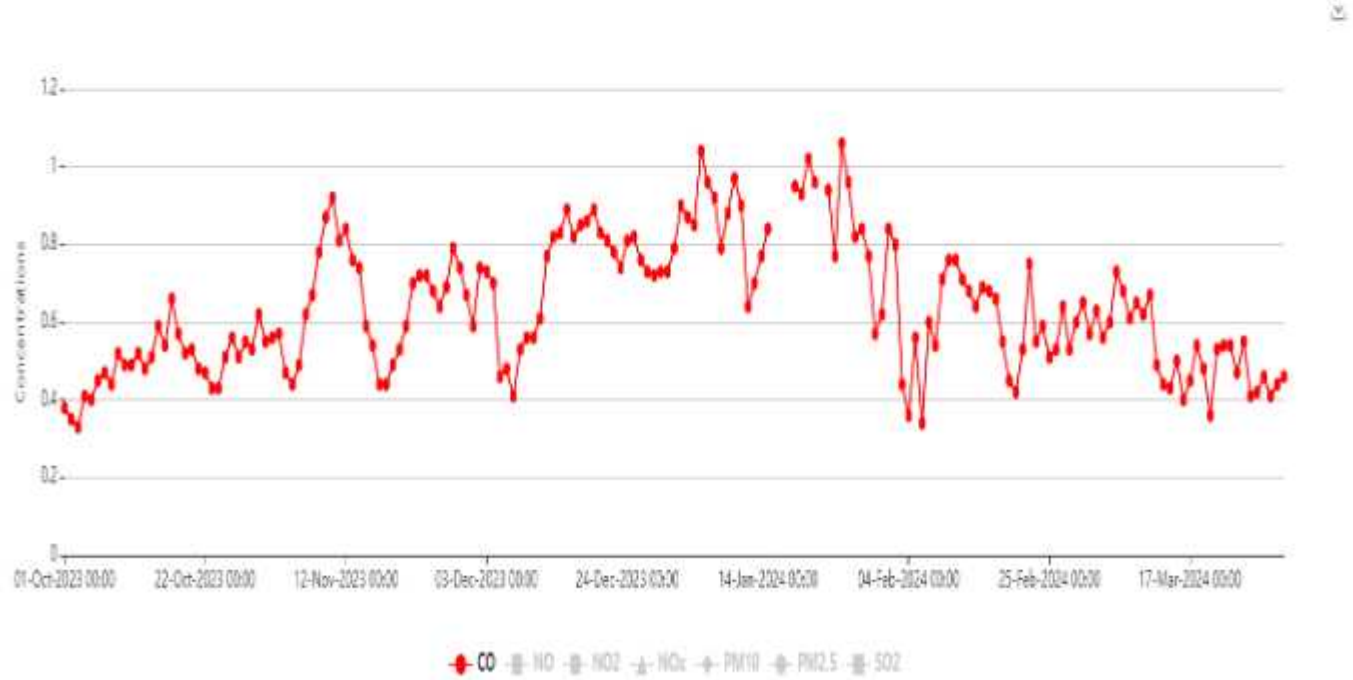
LOCATION : PANCHRULIA

Parameters : NOx



LOCATION : PANCHRULIA

Parameters : CO



ANNEXURE-VI

Qualissure Laboratory Services

361, Prantick Pally,
45/361, Bose Pukur Road,
Kolkata - 700107
Email : qualissure@gmail.com
Mob. No. : 9831287086
9830093976

DOC NO : QLS/SAMP/08-M/00

TEST REPORT

Name & Address Of the Customer : **M/s. Orissa Metaliks Pvt. Ltd.** Mouza-Mathurakismat, Vill- Gokulpur, P.O- Shyamraipur, P.S- Kharagpur (L), Paschim Medinipur, West Bengal.	Report No. Date Sample No. Sample Description Sample Mark Date of Performance Sample Drawn On Ref No. & Date	: QLS/P-183/23-24/C/08 : 27.04.2024 : QLS/P-183/23-24/08 : Slag : SMS Slag : 23.03.2024-03.04.2024 : 20.03.2024 : O124379380 On 20.02.2024

Analysis Result

Sl. No.	Parameters	Test Method	TCLP Test Result	Limit as per Hazardous & Other waste (management and Transboundary Movement Rules) Schedule-2
1.	Zinc (as Zn) in mg/l	EPA 3050 B	0.55	250
2.	Lead (as Pb) in mg/l	EPA 3050 B	0.21	5.0
3.	Copper (as Cu) in mg/l	EPA 3050 B	0.29	25.0
4.	Cobalt (as Co) in mg/l	EPA 3050 B	0.11	80.0
5.	Nickel (as Ni) in mg/l	EPA 3050 B	0.57	20.0
6.	Arsenic (as As) in mg/l	EPA 3050 B	<0.01	5.0
7.	Mercury (as Hg) in mg/l	EPA 3050 B	<0.001	0.2
8.	Total Chromium (as Cr) in mg/l	EPA 3050 B	0.29	5.0
9	Manganese (as Mn) in mg/l	EPA 3050 B	0.71	10.0

Report Prepared By:

for **Qualissure Laboratory Services**
Reviewed & Authorized By

Bishnupriya Banerjee, Chemist
(Authorized Signatory)

----End of the Report----

- *The results relate only to the item(s) tested.*
- *This Test Report shall not be reproduced without the permission of Qualissure Laboratory Services*
- *The reserved part of sample(s). except perishable sample(s), shall be retained for 30 days from the date of issue of the Test Report*

ANNEXURE-VII

Qualissure Laboratory Services

361, Prantick Pally, 45/361, Bose Pukur Road, Kolkata -700107
Email : qualissure@gmail.com; info@qualissure.com ; Mob.No. 98312 87086 ; 9830093976

TC-6271

DOC NO : QLS/SAMP/08-A/00

TEST REPORT

Name & Address Of the Customer : **M/s. Orissa Metaliks Pvt. Ltd.** Mouza-Mathurakismat ,Vill- Gokulpur, P.O- Shyamraipur, P.S-Kharagpur (L), Paschim Medinipur -721301, West Bengal.	Report No. : QLS/P-183/23-24/C/05 Date : 19.04.2024 Sample No. : QLS/P-183/23-24/05 Sample Description : Noise Monitoring Date of performance : 21.04.2023-23.04.2024 Ref No.& Date : O124379380, 20.02.2024

Monitoring Result of Noise

Sampling Done By: C.Sahoo
Sampling Guideline : As per IS: 9876: 1981 (RA-2001)
Location : SMS Area
Date of Monitoring : 19-20.03.2024

Time	Leq-dB(A)	L-Max dB	L-Min-dB
11.00-12.00	52.3	48.5	50.5
12.00-13.00	52.7	47.5	50.5
13.00-14.00	55.6	53.2	54.7
14.00-15.00	57.2	52.3	55.3
15.00-16.00	60.1	54.1	57.9
16.00-17.00	63.2	59.8	61.5
17.00-18.00	66.7	60.5	64.3
18.00-19.00	62.5	51.2	55.8
19.00-20.00	66.3	64.1	65.2
20.00-21.00	66.0	61.0	63.7
21.00-22.00	65.3	59.8	62.7
22.00-22.00	61.7	54.2	59.0
23.00-0.00	63.2	54.1	59.2
0.00-1.00	62.5	53.0	58.2
1.00-2.00	61.2	58.0	59.1
2.00-3.00	57.1	51.2	55.1
3.00-4.00	59.6	56.0	57.2
4.00-5.00	58.6	55.2	56.3
5.00-6.00	57.6	54.1	55.3
6.00-7.00	56.3	48.1	52.5
7.00-8.00	55.2	51.6	53.1
8.00-9.00	54.2	50.5	52.1
9.00-10.00	53.1	49.6	51.1
10.00-11.00	52.2	49.1	50.3

Leq dB Day Time	*Leq dB Night Time*	*Average dB*
61.1	*54.1*	*56.7*

Report Prepared By:

R. Sharma

for **Qualissure Laboratory Services**
Reviewed & Authorized By

Benimadhab Gorai, Chemist
(Authorized Signatory)

-----End of the Report-----

- ***The results relate only to the item(s) tested.***
- ***This Test Report shall not be reproduced without the permission of Qualissure Laboratory Services.***
- ***The reserved part of sample(s), except perishable sample(s), shall be retained for 30 days from the date of issue of the Test Report.***

Qualissure Laboratory Services

361, Prantick Pally, 45/361, Bose Pukur Road, Kolkata -700107
Email : qualissure@gmail.com; info@qualissure.com ; Mob.No. 98312 87086 ; 9830093976

TC-6271

DOC NO : QLS/SAMP/08-A/00

TEST REPORT

Name & Address Of the Customer : **M/s. Orissa Metaliks Pvt. Ltd.** Mouza-Mathurakismat ,Vill- Gokulpur, P.O- Shyamraipur, P.S-Kharagpur (L), Paschim Medinipur -721301, West Bengal.	Report No. : QLS/P-183/23-24/C/06 Date : 19.04.2024 Sample No. : QLS/P-183/23-24/06(A-B) Sample Description : Noise Monitoring Date of performance : 21.03.2024-24.03.2024 Ref No.& Date : O124379380, 20.02.2024

Monitoring Result of Noise

Sampling Done By: C.Sahoo

Sampling Guideline : As per IS: 9876: 1981 (RA-2001)

Sample No.	Date of Monitoring	Location	L-Max dB	L-Min-dB	Avg dB(A)	Leq dB Day	Leq dB Night
06A	19-20.03.2024	Near Plant Main Gate	73.4	41.2	57.1	62.7	50.7
06B		Latibpur Village	60.9	36.8	49.2	53.5	43.8

Report Prepared By:

R. Sharma

for Qualissure Laboratory Services
Reviewed & Authorized By

Benimadhab Gorai, Chemist
(Authorized Signatory)

-----End of the Report-----

FORM NO.17(A)

ANNEXURE-VIII

Record of Eye Examination

SL NO.	DEPARTMENT/WORK	NAME OF WORKER	SEX	AGE(on last birthday)	OCCUPATION		EXAMINATION OF EYE SIGHT		SIGNATURE OF OPHTHALMOLOGIST	REMARKS
					Nature	Date of Employment	Date	Result		
1	CHARGING	KUMAR GOURAV JANA	M	41	INCHARGE	09-05-17	30-09-23	N/6		Ok
2	ELECTRICAL	TAPAN LOHAR	M	23	JR. ENGINEER	11-02-22	30-09-23	6/6	Sandip Sen	Ok
3	ELECTRICAL	SOURAV BANERJEE	M	25	ASST. ENGINEER	11-01-22	30-09-23	6/6	Dr. Sandip Sen M.B.B.S. (CAL) D.O. (CAL) REGD No-48141 (WBMC)	Ok
4	MECHANICAL	RAMESH TIWARI	M	34	CRANE OPERATOR	25-05-18	30-09-23	6/6		Ok
5	MECHANICAL	DIPANKAR SARKAR	M	26	BELT JOINTER	23-12-21	30-09-23	6/6		Ok
6	MECHANICAL	SHAMBHU SINGH	M	32	FITTER	21-09-21	30-09-23	6/6		Ok
7	MECHANICAL	GOPAL SARKAR	M	37	FITTER	11-01-20	30-09-23	6/6	Sandip Sen	Ok
8	MECHANICAL	SUNIL MARDI	M	34	WELDER	08-06-21	30-09-23	6/6	Dr. Sandip Sen M.B.B.S. (CAL) D.O. (CAL) REGD No-48141 (WBMC)	Ok
9	MECHANICAL	SHAKTI KUMAR	M	48	FOREMAN	03-05-18	30-09-23	N/6		Ok
10	AUTOMOBILE	ISLAM ANSARI	M	32	HYVA DRIVER	10.09.20	30-09-23	6/6		Ok
11	AUTOMOBILE	MANIK ORANG	M	48	HYVA DRIVER	05.01.18	30-09-23	N/6		Ok
12	AUTOMOBILE	KRISHNA HASDA	M	39	HYVA DRIVER	11.05.18	30-09-23	6/6	Sandip Sen	Ok
13	AUTOMOBILE	MADHUSUDHAN ORANG	M	51	HYVA DRIVER	10.09.18	30-09-23	N/6		Ok

FORM NO.17(A)

Record of Eye Examination

SL NO.	DEPARTMENT/WORK	NAME OF WORKER	SEX	AGE(on last birthday)	OCCUPATION		EXAMINATION OF EYE SIGHT		SIGNATURE OF OPHTHALMOLOGIST	REMARKS
					Nature	Date of Employment	Date	Result		
14	AUTOMOBILE	HIMANSHU MAHATO	M	37	HYVA DRIVER	19.05.20	30-09-23	6/6		Ok
15	AUTOMOBILE	MALIK MARANDI	M	32	HYVA DRIVER	13.08.20	30-09-23	6/6	Saudip Sen	Ok
16	AUTOMOBILE	SUBHASH RAJOWAR	M	55	HYVA DRIVER	02.08.20	30-09-23	N/6	Dr. Saudip Sen M.B.B.S. (CAL) D.O (CAL) REGD No-48141 (WBMC)	Ok
17	AUTOMOBILE	MANOJ KUMAR BAURI	M	30	HYVA DRIVER	15.09.20	30-09-23	6/6		Ok
18	AUTOMOBILE	SUKHRAM LAGURI	M	22	HYVA DRIVER	08.03.18	30-09-23	6/6		Ok
19	AUTOMOBILE	TAPAN RAJWAR	M	46	HYVA DRIVER	23.05.21	30-09-23	N/6	Saudip Sen	Ok
20	CCM	GOPAL JI YADAV	M	28	INCHARGE	15-09-23	30-09-23	6/6		Ok
21	CCM	KOMOLESH KR ROY	M	35	SHIFT INCHARGE	08.03.2019	30-09-23	6/6	Dr. Saudip Sen M.B.B.S. (CAL) D.O (CAL) REGD No-48141 (WBMC)	Ok
22	CRANE OPERATOR	RAMJAN ANSARI	M	37	CRANE OPERATOR	11-06-20	30-09-23	6/6		Ok
23	ELECTRICAL	SANTOSH DAS	M	39	MANAGER	20-01-23	30-09-23	6/6		Ok
24	ELECTRICAL	AMRIT MAITY	M	33	ASST. MANAGER	21-12-22	30-09-23	6/6	Saudip Sen	Ok
25	ELECTRICAL	SWARNENDU BHATTACHARYA	M	31	SR.ENGINEER	20-11-19	30-09-23	6/6		Ok
26	ELECTRICAL	BALWANT SINGH	M	28	AC. TECHNICIAN	23-09-19	30-09-23	6/6		Ok

FORM NO.17(A)

Record of Eye Examination

SL NO.	DEPARTMENT/WORK	NAME OF WORKER	SEX	AGE(on last birthday)	OCCUPATION		EXAMINATION OF EYE SIGHT		SIGNATURE OF OPHTHALMOLOGIST	REMARKS
					Nature	Date of Employment	Date	Result		
27	ELECTRICAL	MUKESH KR.GUPTA	M	39	FOREMAN	09.09.2019	30-09-23	6/6		Ok
28	IF	PRAFULLA SAHOO	M	55	INCHARGE	02-02-18	01-10-23	N6	Sandip Sen	Ok
29	LAB	GAUTAM KUMAR	M	29	CHEMIST	24-08-23	01-10-23	6/6	Dr. Sandip Sen M.B.B.S (CAL) D.O (CAL) REGD No-48141 (WBMC)	Ok
30	LAB	SANJAY KR. DUTTA	M	41	ASST.MANAGER	11-04-19	01-10-23	N6		Ok
31	MECHANICAL	SOURAV BERA	M	23	JR.ENGINEER	12-04-23	01-10-23	6/6		Ok
32	MECHANICAL	SUBHAJIT RANA	M	25	DET	20-01-23	01-10-23	6/6		Ok
33	MECHANICAL	ANAND KR. THAKUR	M	26	ENGINEER	09-04-20	01-10-23	6/6	Sandip Sen	Ok
34	MECHANICAL	AKASHDIP PAUL	M	26	DET	17-04-23	01-10-23	6/6	Dr. Sandip Sen M.B.B.S. (CAL) D.O (CAL) REGD No-48141 (WBMC)	Ok
35	OPERATION	RAJU RAI	M	38	SHIFT INCHARGE	20-02-18	01-10-23	6/6		Ok
36	OPERATION	PREDEEP JHA	M	37	SHIFT INCHARGE	06.04.2022	01-10-23	6/6		Ok
37	PRODUCTION	RAJKUMAR RAY	M	40	INCHARGE	09-02-18	01-10-23	N6		Ok
38	STORE	DHARMENDRA NATH PANDEEY	M	49	STORE ASSISTANT	05-02-18	01-10-23	N6	Sandip Sen	Ok
39	STORE	SWARUP SINGHA MAHAPTRA	M	30	STORE ASSISTANT	05-07-18	01-10-23	6/6		Ok

FORM NO. 17

HEALTH REGISTER

[Prescribed under Rules 63 & 94 of The West Bengal Factories Rules, 1958 as amended vide Notification No. 1183-LW-IR-I/91 dated 27th Nov. 1991]

No. 16

1. Serial No. in the Register of adult worker : empl.
2. Name of worker : Sibsankar Pehari
3. Sex : M
4. Date of Birth : 15/5/1976

								Medical examination and the results thereof			If declared unfit for work				
Department/ works	Name of hazardous process	Dangerous process/ operation	Nature of job or occupation	Raw materials, products or by-products likely to be exposed to	Date of posting	Date of leaving transfer to other work	Reason for discharge/ transfer to other work	Signs and symptoms observed during examination	Nature of tests & results thereof	Result Fit/Unfit	Period of Temporary withdrawal from that work	Reasons for such withdrawal	Date of declaring him unfit for that work	Date of issuing fitness Certificate	Signature with date of the Factory Medical Officer / the Certifying Surgeon
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Security / Security officer					12/7/2023				Weight 78kg Height 5'7" B/P 115/80 P/R 74 BMI-27.24 Abdomen N- Group (B+ve)	Fit					DR. DEBASISH DEY SARKAR MBBS, FCCS (SINGAPORE) Reg. No-61136 (WBMC) (Factory Medical Officer)

Notes — 1. Separate page should be maintained for individual worker.
2. Fresh entry should be made for each examination.

FORM NO. 17

HEALTH

REGISTER

[Prescribed under Rules 63 & 94 of The West Bengal Factories Rules, 1958

as amended vide Notification No. 1183-LW-IR-4/91 dated 27th Nov. 1991]

No. 32

1. Serial No. in the Register of adult worker : OMP2—
2. Name of worker : Anish Km. Gaddi
3. Sex : male 4. Date of Birth : 23-2-1997

Department/ work	Name of hazardous process	Dangerous process/ operation	Nature of job or occupation	Raw materials, products or by-products likely to be exposed to	Date of joining	Date of leaving/ transfer to other work	Reason for discharge/ transfer to other work	Medical: Signs and symptoms observed during examination
1	2	3	4	5	6	7	8	9
Staff nurse					24.7.23			
Std/Attendant								

Examination and the results thereof		If declared unfit for work				Signature with date of the Factory Medical Officer / the Certifying Surgeon
Nature of tests & results thereof	Result Fit/unfit	Period of Temporary unfitness for such work	Reasons for such withdrawal	Date of declaring him unfit for that work	Date of issuing fitness Certificate	
10	11	12	13	14	15	16
WBC 7.2×4 HB- 5.6	FIT					DR. DEBADUTTA DEY SARKAR MBBS, FCGS SINGAPORE) Reg. No-67146(WBMC) (Factory Medical Officer)
BP-115/70, PR-76						
Amino. Acid Bmp- 27.4						
Blood Group- B+VE						

Notes — 1. Separate page should be maintained for individual worker.
2. Fresh entry should be made for each examination.

FORM NO. 17

HEALTH REGISTER

[Prescribed under Rules 63 & 94 of The West Bengal Factories Rules, 1958 as amended vide Notification No. 1183-LW-IR-4/91 dated 27th Nov. 1991]

No. 15

1. Serial No. in the Register of adult worker : emp2
2. Name of worker : Suvajit Rajak
3. Sex : Male 4. Date of Birth : 03-02-2002

Department/ wing	Name of hazardous process	Dangerous process operation	Nature of job or occupation	Raw materials, products or by-products likely to be exposed to	Date of posting	Date of leaving/ transfer to other work	Reason for discharge/ transfer to other work	Medical: Signs and symptoms observed during examination
1	2	3	4	5	6	7	8	9
GEN/BE					9.9.23			
"								

Examination and the results thereof: Nature of tests & results thereof	Result Fit/unfit	If declared unfit for work: Period of temporary admittance from that work	Reasons for such withdrawal	Date of declaring him unfit for that work	Date of issuing fitness Certificate	Signature with date of the Factory Medical Officer / the Certifying Surgeon
10	11	12	13	14	15	16
WBT- 54 Kg, HT- 5'5"	Fit					
BP- 115/80, PR- 76						DR. DEB[illegible] SARKAR MBBS, (CGE & HCAPORE) Reg. Num. F-8, WBMC) [illegible] Medical Officer)
Anemia -ve, BMI- 19.80						
Blood group- O+VE						

Notes :– 1. Separate page should be maintained for individual worker.
2. Fresh entry should be made for each examination.

FORM NO. 17

HEALTH

[Prescribed under Rules 63 & 94 of The West Bengal Factories Rules, 1958

REGISTER

as amended vide Notification No. 1183-LW-IR-1/91 dated 27th Nov. 1991]

No. 16

1. Serial No. in the Register of adult worker : EMP2
2. Name of worker : Subham Basak
3. Sex : Male 4. Date of Birth : 03-05-2000

Department/ work	Name of hazardous process	Dangerous process/ operation	Nature of job or occupation	Raw materials, products or by-products likely to be exposed to	Medical											
					Date of passing	Date of leaving/ transfer to other work	Reason for discharge/ transfer to other work	Signs and symptoms observed during examination	Nature of tests & results thereof	Result Fit/Unfit	Period of temporary restriction from that work	Reasons for such restriction	Date of ceasing from unfit for that work	Date of issuing fitness Certificate	Signature with date of the Factory Medical Officer / the Certifying Surgeon
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
GEN/MED					6-2-23				WBP. 71 Hg, RBT- 6	Fit.					DR. DEB[illegible]Y SARKAR MBBS, FCGP, S'PORE] Reg. No.6[illegible] WBMC] [illegible]
RS.									ABP. 120/80. PP- Nil						
									Anaemia-Nil, RBM- 25.2L						
									Blood Group- O+VE						

Notes : 1. Separate page should be maintained for individual worker.
2. Fresh entry should be made for each examination.

FORM NO. 17

HEALTH REGISTER

[Prescribed under Rules 63 & 94 of The West Bengal Factories Rules, 1958 as amended vide Notification No. 1181-LW/IR-1/91 dated 27th Nov. 1991]

No. 47

1. Serial No. in the Register of adult worker : O m P2
2. Name of worker : Samir Kumar Samanta
3. Sex : male 4. Date of Birth : 11-02-1979

Department works	Name of hazardous process	Dangerous process operation	Nature of job or occupation	Raw materials, products or by-products likely to be exposed to	Date of posting	Date of leaving or transfer to other work	Reason for discharge/ transfer to other work	Medical examination and the results thereof: Signs and symptoms observed during examination	Nature of tests & results thereof	Result Fit/Unfit	If declared unfit for work: Period of temporary withdrawal from that work	Reasons for such withdrawal	Date of declaring him unfit for that work	Date of issuing fitness certificate	Signature with date of the Factory Medical Officer / the Certifying Surgeon
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
MC/CDT					8.8.23				WPL- 54kg Ht- 5'6"	FIT					[signature] DR. DEB... SARKAR MBBS, FCCT (SINGAPORE) Reg. No. ... (WBMC) Factory Medical Officer
&P.									BP-115/75, PR-76						
									Anemia-nil, BMI-19.21						
									Bloodgroup- B+ve						

Notes — 1. Separate page should be maintained for individual worker.
2. Fresh entry should be made for each examination.

FORM NO. 17

HEALTH

REGISTER

[Prescribed under Rules 63 & 94 of The West Bengal Factories Rules, 1958

as amended vide Notification No. 1183-LW-IR-1/91 dated 27th Nov. 1991]

No. 48

1. Serial No. in the Register of adult worker : EMP2
2. Name of worker : Pankaj Singh
3. Sex : Male 4. Date of Birth : 12-10-1984

Department/ works	Name of hazardous process	Dangerous persons/ operation	Nature of job/ occupation	Raw materials, products or by-products likely to be exposed to	Date of joining	Date of leaving/ transfer to other work	Reason for discharge/ transfer to other work	Medical: Signs and symptoms observed during examination
1	2	3	4	5	6	7	8	9
Shunter					9.9.13			
Shf/operator								

Particulars and the results thereof		If declared unfit for work				
Nature of tests & results thereof	Result Fit/unfit	Period of temporary withdrawal from that work	Reasons for such withdrawal	Date of removing from unfit for that work	Date of issuing Fitness Certificate	Signature with date of the Factory Medical Officer / the Certifying Surgeon
10	11	12	13	14	15	16
WBC 8.5K Hb. 15	Fit					
BP-120/80, SP. 77						DR. DEEPAK [illegible] MBBS, ACCS, D.N.(AIIMS) Reg. No. [illegible] (WBMC) [illegible] Medical Officer
Anemia-nil, Bm-20.17						
Blood group- B+ve						

Notes – 1. Separate page should be maintained for individual worker.
2. Fresh entry should be made for each examination.

FORM NO. 17

HEALTH REGISTER

[Prescribed under Rules 63 & 94 of The West Bengal Factories Rules, 1958 as amended vide Notification No. 1183-LW-IR-I/91 dated 27th Nov. 1991]

No. 26

1. Serial No. in the Register of adult worker : OMP2
2. Name of worker : Pappu Kumar Singh
3. Sex : Male
4. Date of Birth : 01-01-1977

Department/works	Name of hazardous process	Dangerous process/operation	Nature of job or occupation	Raw materials, products or by-products likely to be exposed to	Date of posting	Date of leaving/transfer to other work	Reason for discharge/transfer to other work	Medical examination and the results thereof: Signs and symptoms observed during examination	Nature of tests & results thereof	Result Fit/Unfit	If declared unfit for work: Period of temporary withdrawal from that work	Reasons for such withdrawal	Date of declaring him unfit for that work	Date of issuing fitness certificate	Signature with date of the Factory Medical Officer / the Certifying Surgeon
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Chemical Smp...					21-8-23				Wt-73 Kg, Ht-5'6" BP-120/80, PR-78 Anaemia-Nil, BMI-25.97 Blood Grp-B+ve	FIT					[signature] DEBASISH DEY SARKAR MBBS, PGDF-SINGAPORE Reg. No. ... (WBMC)

1. Separate page should be maintained for individual worker.
2. Fresh entry should be made for each examination.

FORM NO. 17

HEALTH REGISTER

[Prescribed under Rules 63 & 94 of The West Bengal Factories Rules, 1958 as amended vide Notification No. 1183-LW-IR-I/91 dated 27th Nov. 1991]

No. 33

1. Serial No. in the Register of adult worker : OMPL—
2. Name of worker : Gautam Kumar
3. Sex : male
4. Date of Birth : 07-02-1994

Department works	Name of hazardous process	Dangerous process operation	Nature of job or occupation	Raw materials, products or by-products likely to be exposed to	Date of posting	Date of leaving/ transfer to other work	Reason for discharge/ transfer to other work	Medical examination and the results thereof: Signs and symptoms observed during examination	Medical examination and the results thereof: Nature of tests & results thereof	Result Fit/Unfit	If declared unfit for work: Period of Temporary withdrawal from that work	If declared unfit for work: Reasons for such withdrawal	If declared unfit for work: Date of declaring him unfit for that work	Date of issuing fitness Certificate	Signature with date of the Factory Medical Officer / the Certifying Surgeon
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Chemical Storage	[illegible]				14-9-23				Wt- 50 Kg, Ht- 5'4" BP- 116/70, PR- 98 Anemia-Nil, BMI- 18.91 Blood Group A+VE	Fit.					[signature] DR. DEBASISH DEY SARKAR MBBS, FCCS (SINGAPORE) Reg. No. [illegible] (WBMC) (Factory Medical Officer)

Notes :- 1. Separate page should be maintained for individual worker.
2. Fresh entry should be made for each examination.

FORM NO. 17

HEALTH REGISTER

[Prescribed under Rules 63 & 94 of The West Bengal Factories Rules, 1958 as amended vide Notification No. 1183-LW-IR-L9T dated 27th Nov. 1991]

No. 19

1. Serial No. in the Register of adult worker : 6072
2. Name of worker : G. SIVARAMAN
3. Sex : MALE 4. Date of Birth : 30-2-1973

Department/ works	Name of hazardous process	Dangerous process/ operation	Nature of job or occupation	Raw materials, products or by-products likely to be exposed to	Date of posting	Date of leaving/ transfer to other work	Reason for discharge/ transfer to other work	Medical: Signs and symptoms observed during examination
1	2	3	4	5	6	7	8	9
MANUFACTURE OF CARD					13-9-93			

Examination and the results thereof		If removed unfit for work				Signature with date of the Factory Medical Officer / the Certifying Surgeon
Nature of tests & results thereof	Result Fit/Unfit	Period of temporary withdrawal from that work	Reasons for such withdrawal	Date of declaring him unfit for that work	Date of issuing fitness Certificate	
10	11	12	13	14	15	16
WBP 72 Vg III 5'	FIT					
BP-120/80 P.P-74						
Anemia-Nil, BMI-31.99						
Blood Group B+ve						

Notes :- 1. Separate page should be maintained for individual worker.
2. Fresh entry should be made for each examination.

FORM NO. 17

HEALTH REGISTER

[Prescribed under Rules 63 & 94 of The West Bengal Factories Rules, 1958 as amended vide Notification No. 1183-LW-IR-1/91 dated 27th Nov. 1991]

No. 20

1. Serial No. in the Register of adult worker : [illegible]
2. Name of worker : M. [illegible]
3. Sex : Male
4. Date of Birth : 26 - 11 - 1980

Department works	Name of hazardous process	Dangerous process operation	Nature of job or occupation	Raw materials, products or by-products likely to be exposed to	Date of posting	Date of leaving transfer to other work	Reasons for discharge/ transfer to other work	Medical: Signs and symptoms observed during examination	Examination and the results thereof: Nature of tests & results thereof	Result Fit/Unfit	If declared unfit for work: Period of temporary withdrawal from that work	Reasons for such withdrawal	Date of declaring him unfit for that work	Date of issuing fitness certificate	Signature with date of the Factory Medical Officer / the Certifying Surgeon
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
[illegible]					[illegible]				[illegible]	Fit.					[illegible] (Factory Medical Officer)
[illegible]									[illegible]						
									[illegible]						
									[illegible]						

Notes :- 1. Separate page should be maintained for individual worker.
2. Fresh entry should be made for each examination.

ANNEXURE-IX

Qualissure Laboratory Services

361, Prantick Pally, 45/361, Bose Pukur Road, Kolkata -700107
Email : qualissure@gmail.com; info@qualissure.com ; Mob.No. 98312 87086 ; 9830093976

TC-6271

DOC NO : QLS/SAMP/08-D/00

TEST REPORT

Name & Address Of the Customer : **M/s. Orissa Metaliks Pvt. Ltd.** Mouza - Mathurakismat, Vill- Gokulpur, P.O- Shyamraipur, P.S- Kharagpur (L), Paschim Medinipur, West Bengal	ULR No. : TC627124000000578F Report No. : QLS/P-183/23-24/C/07 Date : 04.05.2024 Sample No. : QLS/P-183/23-24/C/07 Sample Description : Ground Water Sample Mark : Tap Near SMS Area Sample Drawn On : 20.03.2024 Date of performance : 23.03.2024-03.04.2024 Ref No. Date : O124379380; Dated-20.02.2024

Analysis Result

(A) Microbiological Analysis

Sl. No.	Characteristic	Limit as perIS 10500; 2012 Amd. 2	Test Method	Result
1.	Total Coliform Bacteria/100ml	Not Detectable	IS 15185-2016 (RA 2021)	Not Detected
2.	E. Coli/100ml	Not Detectable	IS 15185-2016 (RA 2021)	Not Detected

(B) Chemical Analysis

Sl. No.	Test Parameter	Test Method	IS 10500:2012 Amd. No. 1 & 2		Result
			Acceptable Limit	Permissible Limit	
1.	Colour in Hazen Units	IS 3025 (Part 4): 2021	5	15	<5
2.	Odour	IS 3025 (Part 5): 2022	Agreeable	Agreeable	Agreeable
3.	pH Value at 25°C	IS 3025 (Part 11): 2022	6.5-8.5	No Relaxation	7.30
4.	Turbidity in NTU	IS 3025 (Part 10): 2023	1	5	<1.0
5.	Total Dissolved Solids (as TDS) in mg/l	IS 3025 (Part 16): 2023	500	2000	316
6.	Aluminium (as Al) in mg/l	IS 3025 (Part 55): 2003 (RA 2019)	0.03	0.2	<0.01
7.	Ammonia as NH_3 in mg/l	IS 3025 (Part 34): 1988(RA 2019)	0.5	No Relaxation	<0.5
8.	Calcium(as Ca) in mg/l	IS 3025 (Part 40): 2023	75	200	53.3
9.	Chloride(as Cl) in mg/l	IS 3025 (Part 32): 1988 (RA 2019)	250	1000	48.9
10.	Copper(as Cu) in mg/l	IS 3025 (Part 42): 1992(RA 2019)	0.05	1.5	<0.02
11.	Fluoride(as F) in mg/l	APHA 24th Edition 2023, 4500 F D	1.0	1.5	<0.1
12.	Free Residual Chlorine in mg/l	IS 3025 (Part 26): 2021	0.2	1.0	<0.1
13.	Iron (as Fe) in mg/l	IS 3025 (Part 53): 1988(RA 2019)	1.0	No Relaxation	0.25
14.	Magnesium(as Mg) in mg/l	APHA 24th Edition 2023, 3500 Mg B	30	100	18.8
15.	Manganese (as Mn) in mg/l	IS 3025 (Part 59): 2023	0.1	0.3	<0.02
16.	Nitrate (as NO_3) in mg/l	IS 3025 (Part 34): 1988(RA 2019)	45	No Relaxation	<0.5
17.	Sulphate (as SO_4) in mg/l	IS 3025 (Part 24): Sec1, 2022	200	400	25.7
18.	Alkalinity(as $CaCO_3$)in mg/l	IS 3025 (Part 23): 2023	200	600	168.2
19.	Total Hardness (as $CaCO_3$) in mg/l	IS 3025 (Part 21): 2009 (RA 2019)	200	600	171.5
20.	Cadmium(as Cd) in mg/l	IS 3025 (Part 41): 2023	0.003	No Relaxation	<0.002
21.	Cyanide(as Cn) in mg/l	IS 3025 (Part 27): 1986(RA 2019)	0.05	No Relaxation	<0.02
22.	Lead(as Pb) in mg/l	IS 3025 (Part 47): 1994 (RA 2019)	0.01	No Relaxation	<0.01
23.	Mercury(as Hg) in mg/l	IS 3025 (Part 48): 1994(RA 2019)	0.001	No Relaxation	<0.001
24.	Arsenic(as As) in mg/l	IS 3025 (Part 37): 2022	0.01	No Relaxation	<0.01
25.	Zinc(as Zn) in mg/l	IS 3025 (Part 49): 1994 (RA 2019)	5	15	<0.02
26.	Total Chromium (as Cr) in mg/l	IS 3025 (Part 52): 2014 (RA 2019)	0.05	No Relaxation	<0.05

Report Prepared By:

for Qualissure Laboratory Services
Reviewed & Authorized By

S. Chakraborty
Soumy Chakraborty, Microbiologist
(Authorized Signatory)

for Qualissure Laboratory Services
Reviewed & Authorized By

Bishnupriya Banerjee, Chemist
(Authorized Signatory)

------End of the Report------

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