



**JAMSHEDPUR CHLOROCEM
PRIVATE LIMITED**

Manufacturer of Low Carbon Ferro Alloys
LC Ferro Manganese & Ferro Chrome Powder
CIN: U24220JH1999PTC008858

08 December, 2023

To,
The Regional Officer,
Jharkhand State Pollution Control Board,
Adityapur, Jamshedpur, Jharkhand - 831013

Subject: Regarding compliance of Environmental Clearance conditions.

Reference: Environmental Clearance from Ministry of Environment & Forest, New Delhi
vide F.No. IA-J-11011/459/2017-IA-II(I) Dated 24-12-2018

Sir,

We have obtained environment clearance and NOC/CTE from the concerned authorities prior to starting the work at site. All mandatory clearances, authorizations and permission obtained prior to commissioning and operation of the plant.

As per requirements of Environment (Protection) Act 1986 and various conditions of the above-mentioned Environmental Clearance we are submitting the six-monthly compliance reports with status for the period from 01st April 2023 to 30th September 2023 to the specified authorities. The same is enclosed for your information.

Thanking you,

Yours Faithfully,

For Jamshedpur Chlorochem Pvt. Ltd.

(Manoj Kumar Gutgutia)
Director



Enclosure: Compliance Report for the period 01.04.2023 to 30.09.2023 with Annexures



**JAMSHEDPUR CHLOROCEM
PRIVATE LIMITED**

Manufacturer of Low Carbon Ferro Alloys
LC Ferro Manganese & Ferro Chrome Powder
CIN: U24220JH1999PTC008858

08 December, 2023

To,
The Member Secretary,
Jharkhand State Pollution Control Board,
T.A. Division Building, Dhurwa,
Ranchi, Jharkhand - 834004

Subject: Regarding compliance of Environmental Clearance conditions.

Reference: Environmental Clearance from Ministry of Environment & Forest, New Delhi
vide F.No. IA-J-11011/459/2017-IA-II(I) Dated 24-12-2018

Sir,

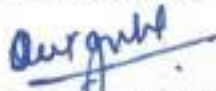
We have obtained environment clearance and NOC/CTE from the concerned authorities prior to starting the work at site. All mandatory clearances, authorizations and permission obtained prior to commissioning and operation of the plant.

As per requirements of Environment (Protection) Act 1986 and various conditions of the above-mentioned Environmental Clearance we are submitting the six-monthly compliance reports with status for the period from 01st April 2023 to 30th September 2023 to the specified authorities. The same is enclosed for your information.

Thanking you,

Yours Faithfully,

For Jamshedpur Chlorochem Pvt. Ltd.


(Manoj Kumar Gutgutia)
Director



Enclosure: Compliance Report for the period 01.04.2023 to 30.09.2023 with Annexures



**JAMSHEDPUR CHLOROCEM
PRIVATE LIMITED**

Manufacturer of Low Carbon Ferro Alloys
LC Ferro Manganese & Ferro Chrome Powder
CIN: U24220JH1999PTC008858

08 December, 2023

To,
Regional Director
CPCB, Kolkata
Southern Conclave, Block 502,
5th & 6th Floors, 1582
Rajdanga Main Road, Kolkata - 700107,

Subject: Regarding compliance of Environmental Clearance conditions.

Reference: Environmental Clearance from Ministry of Environment & Forest, New Delhi
vide F.No. IA-J-11011/459/2017-IA-II(I) Dated 24-12-2018

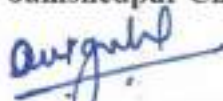
Sir,

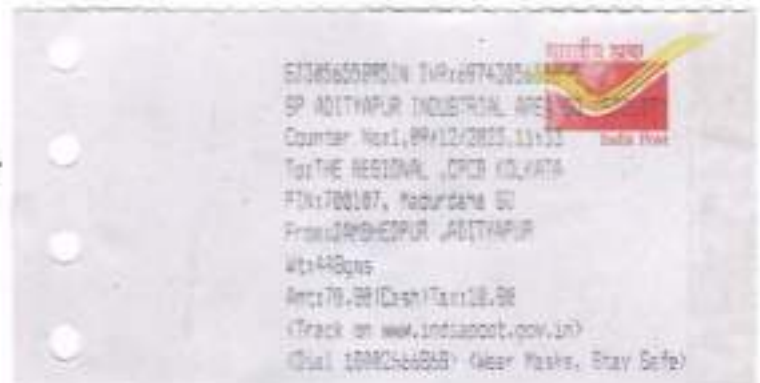
We have obtained environment clearance and NOC/CTE from the concerned authorities prior to starting the work at site. All mandatory clearances, authorizations and permission obtained prior to commissioning and operation of the plant.

As per requirements of Environment (Protection) Act 1986 and various conditions of the above-mentioned Environmental Clearance we are submitting the six-monthly compliance reports with status for the period from 01st April 2023 to 30th September 2023 to the specified authorities. The same is enclosed for your information.

Thanking you,

Yours Faithfully,
For Jamshedpur Chlorochem Pvt. Ltd.


(Manoj Kumar Gutgutia)
Director



Enclosure: Compliance Report for the period 01.04.2023 to 30.09.2023 with Annexures



**JAMSHEDPUR CHLOROCEM
PRIVATE LIMITED**

Manufacturer of Low Carbon Ferro Alloys
LC Ferro Manganese & Ferro Chrome Powder
CIN: U24220JH1999PTC008858

08 December, 2023

To,
The Scientist –D,
Ministry of Environment Forest & Climate Change
Integrated Regional Office,
2nd Floor, Jharkhand State Housing Board,
Harmu Chowk, Ranchi, Jharkhand - 834002

Subject: Regarding compliance of Environmental Clearance conditions.

Reference: Environmental Clearance from Ministry of Environment & Forest, New Delhi
vide F.No. IA-J-11011/459/2017-IA-II(I) Dated 24-12-2018

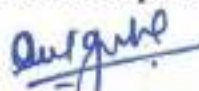
Sir,

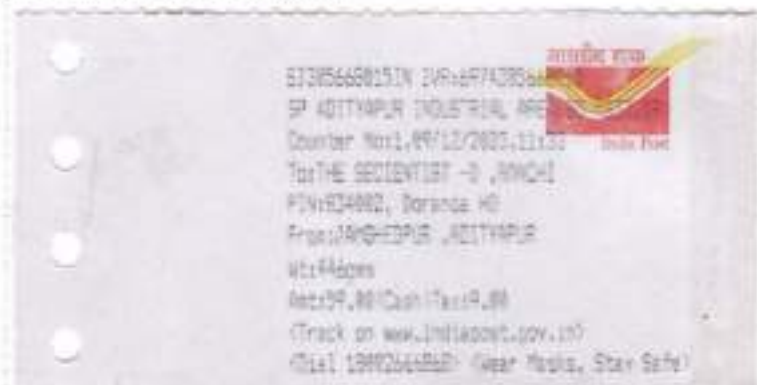
We have obtained environment clearance and NOC/CTE from the concerned authorities prior to starting the work at site. All mandatory clearances, authorizations and permission obtained prior to commissioning and operation of the plant.

As per requirements of Environment (Protection) Act 1986 and various conditions of the above-mentioned Environmental Clearance we are submitting the six-monthly compliance reports with status for the period from 01st April 2023 to 30th September 2023 to the specified authorities. The same is enclosed for your information.

Thanking you,

Yours Faithfully,
For Jamshedpur Chlorochem Pvt. Ltd.


(Manoj Kumar Gutgutia)
Director



Enclosure: Compliance Report for the period 01.04.2023 to 30.09.2023 with Annexures



**JAMSHEDPUR CHLOROCEM
PRIVATE LIMITED**

Manufacturer of Low Carbon Ferro Alloys
LC Ferro Manganese & Ferro Chrome Powder
CIN: U24220JH1999PTC008858

08 December, 2023

To,
The Director, IA-Division (Industry-1),
Indira Paryavaran Bhawan,
Ministry of Environment, Forest & CC,
Jorbagh Road, Lodhi Road, New Delhi-110003

Subject: Regarding compliance of Environmental Clearance conditions.

Reference: Environmental Clearance from Ministry of Environment & Forest, New Delhi
vide F.No. IA-J-11011/459/2017-1A-II(I) Dated 24-12-2018

Sir,

We have obtained environment clearance and NOC/CTE from the concerned authorities prior to starting the work at site. All mandatory clearances, authorizations and permission obtained prior to commissioning and operation of the plant.

As per requirements of Environment (Protection) Act 1986 and various conditions of the above-mentioned Environmental Clearance we are submitting the six-monthly compliance reports with status for the period from 01st April 2023 to 30th September 2023 to the specified authorities. The same is enclosed for your information.

Thanking you,

Yours Faithfully,

For Jamshedpur Chlorochem Pvt. Ltd.


(Manoj Kumar Gutgutia)
Director



Enclosure: Compliance Report for the period 01.04.2023 to 30.09.2023 with Annexures

M/s JAMSHEDPUR CHLOROCEM PRIVATE LIMITED																							
EC COMPLIANCE STATEMENT																							
Environment Clearance issued by MoEF & CC vide reference no F. No. IA-J-11011/459/2017-IA-II(I) Dated 24-12-2018																							
CONDITION	COMPLIANCE / STATUS (01.04.2023 to 30.09.2023)																						
(A) SPECIFIC CONDITIONS:																							
1	Only washed Ore shall be used for the Ferro-Chrome.	Being complied. Only washed/conc. ore is procured and used. No in-house washing done for any ore.																					
2	100% solid waste generated in the plant shall be utilized and no dumping shall be allowed either in the plant premises or outside area.	Only Slag is generated as solid waste during production which is reused either as lining for vessels or supply to other industries for use as a raw material. APCD dust is partly recycled in the process for Lining of Reactor Vessel & partly disposed thru TSDF (Adityapur Solid Waste Management)																					
3	The project proponent shall carry out decommissioning operations of existing hydrated lime unit by following the pollution control norms and the report on decommissioning shall be submitted to the Ministry's Regional Office, soon after its completion.	Existing hydrated lime unit has been decommissioned and dismantled. The report is sent to the Ministry's Regional Office, after its completion.																					
4	Additional 5000 trees shall be planted around the premises.	Plantation of 5920 trees completed in the vicinity of factory premises within approx 01 to 10 KM aerial distance from our plant as detailed below: <table border="1"> <thead> <tr> <th>Date</th> <th>No. Of Saplings</th> <th>Site</th> </tr> </thead> <tbody> <tr> <td>04.02.2022</td> <td>300</td> <td>Adityapur Auto Cluster</td> </tr> <tr> <td>23.08.2023</td> <td>2440</td> <td>JIADA, Adityapur Auto Cluster, IT Park & Itagarh.</td> </tr> <tr> <td>26.08.22</td> <td>550</td> <td>Adityapur Auto Cluster</td> </tr> <tr> <td>07.05.2023</td> <td>130</td> <td>Shamshan Kali Mandir, VIth Phase, Gamharia</td> </tr> <tr> <td>30.06.2023</td> <td>500</td> <td>Adityapur Auto Cluster</td> </tr> <tr> <td>30.09.2023</td> <td>2000</td> <td>Tirildih & Itagarh</td> </tr> </tbody> </table>	Date	No. Of Saplings	Site	04.02.2022	300	Adityapur Auto Cluster	23.08.2023	2440	JIADA, Adityapur Auto Cluster, IT Park & Itagarh.	26.08.22	550	Adityapur Auto Cluster	07.05.2023	130	Shamshan Kali Mandir, VI th Phase, Gamharia	30.06.2023	500	Adityapur Auto Cluster	30.09.2023	2000	Tirildih & Itagarh
Date	No. Of Saplings	Site																					
04.02.2022	300	Adityapur Auto Cluster																					
23.08.2023	2440	JIADA, Adityapur Auto Cluster, IT Park & Itagarh.																					
26.08.22	550	Adityapur Auto Cluster																					
07.05.2023	130	Shamshan Kali Mandir, VI th Phase, Gamharia																					
30.06.2023	500	Adityapur Auto Cluster																					
30.09.2023	2000	Tirildih & Itagarh																					
5	TCPL test shall be carried for Ferro chrome slag at a frequency of 6 months.	Being complied. Latest report attached as Annexure-1																					

JAMSHEDPUR CHLOROCEM PVT. LTD

Aut signed
DIRECTOR.

(B) General Condition	
I. Statutory compliance:	
1	<p>The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/Committee.</p> <p>Consent to Establish has been obtained from the Board vide Reference No. JSPCB/HO/RNC/CTE-4948936/2019/270 dt. - 2019-04-16 and consent to operate vide. Ref. No. - JSPCB/HO/RNC/CTO-8911700/2020/1735 Dated 2020.10.18 copies of same attached as Annexure - 2 & Annexure - 3, respectively.</p>
2	<p>The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.</p> <p>No water is used in the process except domestic purposes which is sourced from municipal supply of Industrial Area. Copy of same enclosed as Annexure -4</p>
3	<p>The project proponent shall obtain authorization under the Hazardous and other waste Management Rules, 2016 as amended from time to time.</p> <p>Authorization obtained. Attached as Annexure - 5</p>
II. Air quality monitoring and preservation:	
1	<p>The project proponent shall install 24x7 continuous emission monitoring system at process stacks emission with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R. 277 (E) dated 31st March 2012 (applicable to IF/EAF) as amended from time to time and connected to SPCB and CPCB Online servers and calibrate these system from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.</p> <p>Continuous monitoring system is purchased from Forbes Marshall and installed. The fume extraction system with cyclone separators and bag filters along with ID Fan and stack installed to meet the norms.</p>
2	<p>The project proponent shall monitor fugitive emission in the plant premises at least once in every quarter through laboratories recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.</p> <p>Monitoring done through NABL accredited laboratory and reports attached as Annexure-6.</p>
3	<p>The project proponent shall carryout Ambient Air Quality monitoring for common / criterion parameters relevant to the main pollutants released (e.g. PM₁₀ and PM_{2.5} in reference to PM emission, and SO₂ and NO_x in reference to SO₂ and NO_x emission) within and outside the plant area (at</p> <p>AAQ monitoring report attached as Annexure -6</p>

JAMSHEDPUR CHLORO CHEM PVT. LTD.

D. Singh
DIRECTOR.

	least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.	
4	The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and monitoring of air quality / fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.	Online monitoring system installed and under operation. Data is being transmitted online directly to the portal of Jharkhand State Pollution Control Board, Ranchi.
5	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources.	Multi cyclone dust collector with reactor vessels, dedicated bag filter with Pulverizer, Multi cyclone and bag filter with chrome ore pre heater installed.
6	Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/agglomeration.	The dust collected in APCD partly is reused for the lining of Reactor Vessel.
7	The project proponent shall use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.	Covered transportation is done.
8	The project proponent shall provide covered sheds for raw materials like scrap and sponge iron, lump ore, coke, coal, etc.	All raw materials are stored under shed with PCC floor and processing done under shed with PCC floor.
9	The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.	Being complied. Fume extractor with multicyclone and bag filter provided for the furnaces.
10	Design the ventilation system for adequate air changes as per ACGIH document for all tunnels, motor houses, Oil Cellars.	Adequate Air Ventilation System provided.
III. Water quality monitoring and preservation		
1	The project proponent shall carry effluent monitoring with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31st March 2012 (applicable to IF/EAF) as amended from time to time.	No effluent generated from the plant. No use of water in process. Domestic waste water routed to septic tank - soak pit combination.
2	The project proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at	No ground water extraction or discharge from the plant. Ground water quality Report attached as Annexure -6

JAMSHEDPUR CHLOROCEM PVT. LTD.

Signature
DIRECTOR.

	sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognised under Environment (Protection) Act, 1986 and NABL accredited laboratories.	
3	The project proponent shall submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional Office of MoEF& CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.	No effluent generated from the plant. No use of water in process. Domestic waste water routed to septic tank – soak pit combination.
4	Adhere to 'Zero Liquid Discharge.	Complied. No discharge of any water/wastewater from the premises.
5	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.	Sewage Treatment Plant not required as domestic waste water is very small in quantity. Domestic waste water routed to septic tank – soak pit combination.
6	The project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R 277 (E) 31st March 2012 (applicable to IF/EAF) as amended from time to time.	Not Applicable. No effluent generated from the plant. No use of water in process. There is no proposal of any rolling mill.
7	Garland drains and collection pits shall be provided for each stock pile to arrest the run off in the event of heavy rains and to check the water pollution due to surface run off	Storm water drains and collection pit constructed to collect the runoff water.
8	The project proponent shall practice rainwater harvesting to maximum possible extent	Rain water harvesting plant implemented as per guidelines of State Ground Water Directorate.
9	The project proponent shall make efforts to minimise water Consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.	No use of water in process. Water used only for domestic and environment protection measures.
IV. Noise monitoring and prevention		
1	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	Being Complied. Noise monitoring reports attached as Annexure –6.
2	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A)	Complied.

Autgub

	during day time and 70 dB(A) during night time.	
(5) Energy Conservation measures		
1	The project proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases of reheating furnaces.	Not applicable. No reheating furnace or Rolling mill envisaged or proposed.
2	Practice hot charging of slabs and billets/blooms as far as possible.	No reheating furnace or Rolling mill envisaged or proposed.
3	Ensure installation of regenerative type burners on all reheating furnaces.	Not applicable. No reheating furnace or system required.
4	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly.	No sufficient roof space available for installation of solar power. It will be complied to the extent possible.
5	Provide the project proponent for LED lights in their offices and residential areas.	LED Lights are installed in the entire premises.
VI. Waste Management		
1	Used refractories shall be recycled as far as possible.	Used refractories are utilized in house for relining of the reactor vessels.
2	Oily scum and metallic sludge recovered from rolling mills ETP shall be mixed, dried, and briquetted and reused melting Furnaces.	Not applicable. No oily scum and metallic sludge generated. No rolling mill envisaged.
3	100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.	No fly ash generation. Dust collected from bag filters used as raw material in the process.
4	The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.	Being complied
VII. Green Belt		

JAMSHEDPUR CHLORO CHEM PVT. LTD.

Autgub
DIRECTOR.

1	Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant	Tree plantation is in progress. Total plant area is very small(0.92Acres only). More than 120 Tress already planted in the premises& 300 trees already planted in the premises of Adityapur Auto Cluster at approx. 3 km from our plant.Additional 3650 trees have been planted in the premises of Itagarh Panchayat, Jharsthan under Itagarh Panchayat, Tirildih under Itagarh Panchayat & Auto Cluster, Phase VI, Adityapur at approx. 10 km from our plant. Additional plantation will be taken outside the premises as directed. Photographs attached in Annexure – 15
2	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.	This is a small-scale unit with batch process and no major foot print.
VIII. Public hearing and Human health issues		
1	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Emergency preparedness plan, HIRA and Disaster management plan is submitted to the Inspector of Factories, Seraikela for approval and shall be implemented.
2	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.	PPE as per the norms provided.
3	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, 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.	Construction completed and plant in operation.
4	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Occupational health check-up conducted for all workers and staff. Details attached in Annexure –7
XI. Corporate Environment Responsibility		
1	The project proponent shall comply with the provisions contained in this Ministry's OM vide F. No. 22-65/2017-IA.III dated 1st May 2018, as applicable.	CER is proposed as per norms and will be complied.And Additional CSR activity taken up like road making, drinking water, medical camp etc. Details attached in

JAMSHEDPUR CHLORO CHEM PVT. LTD.


DIRECTOR.

	regarding Corporate Environment Responsibility.	Annexure -8
2	The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest /wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF& CC as a part of six-monthly report.	Copy of corporate environmental policy attached as Annexure - 9
3	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.	Environmental cell created under the Director. Office Memorandum of same is attached along with as Annexure - 9.
4	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.	Being complied. EMP implementation being looked after by Environment Cell, headed by the Director. Details of expenses on EMP and Pollution Control from start till 30.09.2023 is attached as Annexure- 10.
5	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out	Agreed and will be complied. Environment Statement for the FY ending 31 st March 2023 is attached along with as Annexure - 11.
6	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Mineral Beneficiation plants shall be implemented.	No washing or mineral beneficiation envisaged or proposed.

JAMSHEDPUR CHLORO-CHEM PVT. LD.


DIRECTOR.

X. Miscellaneous		
1	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently	Information to 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 has been published in Hindustan (Hindi) and Hindustan Times dated 08.01.2019 and copies attached as Annexure - 12 & Annexure - 13. Copy of EC uploaded on company website.
2	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	Letter sent to concerned offices/bodies. Receiving of same attached as Annexure - 14
3	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	Environmental Clearance letter & Compliance of last half-yearly has been uploaded on the web site of the company.
4	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	Agreed and being complied
5	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	Being complied
6	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the	Environment Statement for the year ending 31 st March 2023 attached along with as Annexure -11.

JAMSHEDPUR CHLOROCEM PVT. LTD.

Signature
DIRECTOR.

	website of the company.	
7	The project proponent 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, commencing the land development work and start of production operation by the project.	Finance for the project has been approved by: 1. Bank of Baroda, Jamshedpur Main Branch, Jamshedpur on 23.01.2019 The unit has been installed with Consent to Establish under Reference No. JSPCB/HO/RNC/CTE-4948936/2019/270 dt: - 2019-04-16.
8	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Agreed to complied
9	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee	All the commitments and recommendation made in the EIA/EMP and commitments made during Public Hearing are under process of compliance.
10	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	We confirm that no expansion or modification in the plant shall be carried out without prior approval of MoEF&CC.
11	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986	Noted and agreed
12	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted and agreed
13	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions	Noted and agreed
14	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring	Agreed and full cooperation will be made to the authorities.

JAMSHEDPUR CHLOROCEM PVT. LTD.


DIRECTOR.

	reports.	
15	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 and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.	All the statutory compliances are being followed by the management.
16	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted.

JAMSHEDPUR CHLORO-CHEM PVT. LTD

Ausgnit
DIRECTOR.



KALYANI LABORATORIES PVT. LTD.

PLOT NO-28/94, MILLENIUM CITY PALM, BHUBANESWAR-751032, ODISHA

TEST REPORT



NABL ULR NO : TC704323000015910P
Test Report No : 1662 | KLPL/2/23/ENVN/02151
Amendment No : -
Reference : -
Customer Name : JAMSHEDPUR CHLOROCEM PVT. LTD.
Address : PLOT NO. NS-88,VITH PHASE ,ADITYAPUR IND AREA,GAMHARIA-832108
Date of receipt : 22-Feb-2023 **Commenced On** : 22-Feb-2023 **Completion On** : 01-Mar-2023
Sample Name : LOW CARBON FERRO CHROME SLAG
Sample Condition : SEALED
Quantity : 500G
Ref.To Sampling Procedure : -

On 01-03-2023

Issue Date : 01-Mar-2023

Amendment Date : -

Parameters	Unit	Standard Value**	Results	Test Method
Location & Date	-	-	-	-
Chromium Hexavalent	mg/l	5.0	4.7	TCLP Criteria of hazardous waste characterization procedure and for extraction of leachable constituents, USEPA Test Method 1311
Copper (as Cu)	mg/l	25.0	0.031	TCLP Criteria of hazardous waste characterization procedure and for extraction of leachable constituents, USEPA Test Method 1311
Chromium (as Cr)	mg/l	5.0	2.86	TCLP Criteria of hazardous waste characterization procedure and for extraction of leachable constituents, USEPA Test Method 1311
Zinc (as Zn)	mg/l	150	0.083	TCLP Criteria of hazardous waste characterization procedure and for extraction of leachable constituents, USEPA Test Method 1311
Cadmium (As Cd)	mg/l	1.0	<0.001	TCLP Criteria of hazardous waste characterization procedure and for extraction of leachable constituents, USEPA Test Method 1311
Lead (Pb)	mg/l	5.0	0.012	TCLP Criteria of hazardous waste characterization procedure and for extraction of leachable constituents, USEPA Test Method 1311
Mercury (as Hg)	mg/l	0.2	<0.0005	TCLP Criteria of hazardous waste characterization procedure and for extraction of leachable constituents, USEPA Test Method 1311
Iron (as Fe)	mg/l	--	1.27	TCLP Criteria of hazardous waste characterization procedure and for extraction of leachable constituents, USEPA Test Method 1311
Nickel (Ni)	mg/l	20.0	0.03	TCLP Criteria of hazardous waste characterization procedure and for extraction of leachable constituents, USEPA Test Method 1311
Fluoride (as F)	mg/l	180	<0.05	TCLP Criteria of hazardous waste characterization procedure and for extraction of leachable constituents, USEPA Test Method 1311

Remarks : ** According to Hazardous and other Wastes (Management and Transboundary Movement) Rule 2021 - Schedule II.

Any unusual feature observed during determination

End of Test Report

D Asyika
 Analysed By
 For Kalyani Laboratories Pvt. Ltd.



Asyika
 Authorized Signatory
 For Kalyani Laboratories Pvt. Ltd.

3E261591037046

KLPL-360217A

ANNEXURE-2



JHARKHAND STATE POLLUTION CONTROL BOARD

TOWNSHIP ADMINISTRATION BUILDING, HEC COMPLEX, DHURWA, RANCHI 834004
Telephone: 0651-2400850 (Fax)/ 2400851/2400852/2401847/2400979/2400139

Ref No.: JSPCB/HO/RNC/CTE-4948936/2019/270

Dated : 2019-04-16

Consent to Establish (CTE) under section 25 /26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981

1. Reference: Application (s) No.- 4948936 / dated : 15/03/2019 of JAMSHEDPUR CHLOROCEM PVT. LTD, MANOJ KUMAR GUTGUTIA for consent under section 25 /26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981

2. **Documents Relied Upon:**

(i) The contents of N.O.C. application, Project report and the documents furnished in support of application.

(ii) The related provisions of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and the Environment (Protection) Act, 1986.

(iii) The content of Registered land agreement no. 64/62/2000 dated 11.12.2000;

(v) The content of affidavit for surrender of CTE & CTO for Hydrated Lime-1200 TPA & dismantling the existing unit for new plant;

(vi) The content of Self-declaration for procuring raw material from valid source,

(vii) The content of affidavit for implementation of environment management plan and pollution control measures with budgetary provision for implementation;

(viii) The content of Environmental Clearance granted by MoEF&CC, GoI vide ref. no. J-11011/459/2017-I(A).II(1), dated 24.12.2018 for LC Ferro Chrome & LC Ferro Manganese-3600 TPA, Ferro Molybdenum-1200 TPA, Ferro Vanadium-1200 TPA;

(iv) The content of inspection report (IR) vide Ref. No. 551 dated 25.03.2019 regarding forest distance.

3. The consent is granted under section 25 / 26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 to establish the project in Mauza- GAMHARIA, P S -GAMHARIA, District-SERAIKELA KHARSAWAN as follows:

Project	Site-Area		Investment (Rs)/ Year	Product & Capacity	Period of CTE
	Plot Nos.	Area			

Before Expansion	Plot no. NS-88, VIth Phase, AIA, Gamaharia, Seraikela-Kharsawa	40000 sq.ft.	200 Lac	LC Ferro Chrome & LC Ferro Manganese-3600 TPA, Ferro Molybdenum-1200 TPA, Ferro Vanadium-1200 TPA	Six months from date of issue
------------------	--	--------------	---------	---	-------------------------------

(A) Specific Conditions:

- (1) That, the proponent shall obtain consent to operate from State Pollution Control Board under section 25 & 26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 prior to commissioning of the plant;
- (2) That, the proponent shall obtain authorization under the Hazardous Waste (Management , Handling and Trans Boundary) Rules, 2008;
- (3) That, the proponent shall abide by the provisions of the Environment (Protection) Act, 1986 and submit the reports of effluent, emission, ambient air quality and noise level monitored before and after commissioning of the plant in compliance of the standards prescribed in the Environment (Protection) Rules, 1986;
- (4) That, the proponent shall collect and treat the effluent in foolproof latest system and shall recycle treated effluent for re-use and shall ensure no discharge of effluent outside the premises;
- (5) That, the proponent shall make stack(s) of the height and with the provision(s) of emission monitoring port hole(s), ladder(s) and platform(s) as prescribed by Central Pollution Control Board;
- (6) That, the proponent shall ensure continuous and uninterrupted power supply with provision of separate energy meters for the pollution control systems to enable the pollution control systems to function uninterruptedly;
- (7) That, the proponent shall use D.G. set of 200 KVA having specification as prescribed in the Environment (Protection) Rules, 1986 and shall house it in integral acoustic enclosure and shall keep the height of exhaust pipe as per Central Pollution Control Board norms;
- (8) That, the proponent shall dispose of hazardous wastes in the manner as specified under Hazardous Waste Management Rules, 2016;
- (9) That, the proponent shall do tree plantation in 33% of vacant spaces within the premises. Selection of plant species shall be as per CPCB guidelines in consultation with local DFO;
- (10) That, the proponent shall implement plan of rainwater harvesting with establishment of the project. Rain Water Harvesting plan must be approved by Ground Water Directorate, Govt. of Jharkhand;
- (11) That, the proponent shall make all inside and approach (within the control of the proponent) roads pucca and shall maintain a good housekeeping by regular cleaning and wetting of the premises and dust prone areas;

- (12) That, the proponent shall store all raw materials and products under shed and shall as far as practicable do their processing and transfer under foolproof cover(s);
- (13) That, the proponent shall use fly ash and or fly ash bricks in construction of the project;
- (14) That, the proponent shall use all solid wastes as resource as a raw material or a product;
- (15) That, the proponent shall submit compliance report of Environmental Clearance granted by Ministry of Environment and Forest, Govt. of India, New Delhi, as per the requirement of Environmental Clearance to the Board accordingly;
- (16) That, the proponent shall submit the compliance report of consent order granted to the existing unit vide memo No. B-2144 dated 17-08-2011 as per the consent order;
- (17) That, the proponent shall install install Wet Scrubber and Venturi Scrubber System for control of SO₂ and dust from the chimney. and stack attached to it of a height of at least 110' ft from the ground level to control the dusts and gaseous emissions;
- (18) That, the proponent shall make proper arrangement for disposal of all the solid wastes to be generated during production of pencil ingots;
- (19) That, this consent to establish is subject to statutory and other clearances from Govt. of Jharkhand or Ministry of Environment & Forest, Govt. of India as and when applicable.

(B) General Conditions :

- (1) That, the occupier shall construct pucca (i) minimum ten feet high boundary wall and (ii) approach road and internal roads and shall keep the premises neat and clean and tidy.
- (2) That, the occupier shall install comprehensive enclosure (s) to cover the places of unloading of raw materials, the equipments of their processing & transferring, the places of loading of products, by products and wastes for prevention of fugitive emission and shall install such automatic inbuilt system(s) that in house dust/ gases collect(s) and undergo (es) cleaning and clean air goes out.
- (3) That, the occupier shall install such automatic inbuilt system(s) that process flue gas(es) / process gas(es) and undergo(es) cleaning and clean air go(es) out through the chimney(s), having height(s) as per Central Pollution Control Board norm.
- (4) That, the occupier shall have D G Set(s) of the standard as laid in the Environment (protection) Rules, 1986 and shall install it (them) within acoustic enclosure (s) and shall keep the height(s) of exhaust pipe(s) as per Central Pollution Control Board norm .
- (5) That, the occupier shall impart treatment as per Central Pollution Control Board text to wastewater and shall keep process effluent in close-circuit and effluent from other sources in conformity with the standard (s).
- (6) That, the occupier shall install Central Ground Water Board/ State Ground Water Directorate approved system of rain water harvesting-cum-ground water recharge.

(7) That, the occupier shall create new water body (ies) / remove deposit(s) of existing water body(ies) and nearby stream(s) and pond(s) and shall maintain the wholesomeness of water.

(8) That, the occupier shall grow greenery in the periphery and other available spaces and shall continue enhancing its plant density and biodiversity.

(9) That, this CTE is valid subjected to the validity of mining Lease / Mining Plan / Ecofriendly / Environmental Clearance, if applicable. In case of no renewal of Mining Lease/Mining Plan, this consent shall be treated as revoked automatically.

(10) That, this CTE is issued from the environmental angle only and does not absolve the occupier from other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility to comply with these conditions laid down in all other laws for the time being in force, rests with the industry/ unit/ occupier.

(11) That, this CTE shall not in any way, adversely affect or jeopardize the legal proceeding , if any, instituted in the past or that could be , instituted against you by the State Board for violation of the provisions of the Act or the Rules made there under.

(12) That, the occupier shall comply with all applicable provisions of the Water (Prevention & Control of Pollution) Act, 1974; the Water (Prevention & Control of Pollution) Cess Act, 1977; the Air (Prevention & Control of Pollution) Act, 1981; and the Environment (Protection) Act, 1986 and Rules there under.

4. **That, this CTE shall not absolve the occupier from making compliance of other statutory prescribed under any law or direction of courts or any other instrument for the time being in force.**
5. **That, this CTE is being issued on the basis of information/ documents/ certificate submitted by the unit. This CTE will be revoked if any of the information/ documents/ certificates/ undertaking given by the occupier is found false/fictitious/forged in future.**
6. **This order shall be valid subject to compliance of all other legal requirements applicable to the unit.**
7. **The State Board reserves the right to revoke, withdraw or make any reasonable variation / change / alteration in condition of this consent.**

This is issued with the approval of the competent authority

DINESH
PRASAD
SINGH

Digitally signed by
DINESH PRASAD SINGH
Date: 2019.04.16
15:48:48 +05'30'

**(Dinesh Prasad Singh)
Environmental Engineer**

Memo No. : JSPCB/HO/RNC/CTE-
4948936/2019/270

Dated : 2019-04-16

Copy to : M/s JAMSHEDPUR CHLOROCEM PVT. LTD., NS-88, 6TH-PHASE, AIA, Seraikela Kharsawan/ Chief Inspector of Factory, Doranda, Ranchi/ Director Industries, Govt. of Jharkhand, Ranchi/ Deputy Commissioner, Seraikela Kharsawan/ D.F.O, Seraikela Kharsawan/ Regional Office, J.S.P.C. Board, Jamshedpur for information and necessary action.

DINESH
PRASAD SINGH

Digitally signed by
DINESH PRASAD SINGH
Date: 2019.04.16
15:49:26 +05'30'

(Dinesh Prasad Singh)
Environmental Engineer

ANNEXURE-3



JHARKHAND STATE POLLUTION CONTROL BOARD

TOWNSHIP ADMINISTRATION BUILDING, HEC COMPLEX, DHURWA, RANCHI 834004
Telephone: 0651-2400850 (Fax)/ 2400851/2400852/2401847/2400979/2400139

Ref No. JSPCB/HO/RNC/CTO-8911700/2020/1735

Dated : 2020-10-18

Consent to operate (CTO) under section 25 /26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981

1. Application (s) dated 2020-09-14 of JAMSHEDPUR CHLORO-CHEM PVT. LTD, Occupier Name :MANOJ KUMAR GUTGUTIA for consent under section 25 (1)(b)/25 (1) (c)/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21(1) of the Air (Prevention & Control of Pollution) Act,1981..

2. **Documents Relied Upon:**

(i) The content of Consent to establish (CTE) vide Ref No. : JSPCB/HO/RNC/CTE-4948936/2019/270 Dated : 2019-04-16 for for LC Ferro Chrome & LC Ferro Manganese- 3600 TPA, Ferro Molybdenum-1200 TPA, Ferro Vanadium-1200 TPA;

(ii) The content of Consent to operate (CTO) vide Ref No. JSPCB/HO/RNC/CTO-6577790/2019/2350 Dated : 2019-11-19 for LC Ferro Chrome & LC Ferro Manganese 3600 TPA, Ferro Molybdenum- 1200 TPA, Ferro Vanadium-1200 TPA valid up to 30.09.2020 with compliance report;

(iii) The content of Registered land agreement no. 64/62/2000 dated 11.12.2000;

(iv) The content of affidavit for surrender of CTE & CTO for Hydrated Lime-1200 TPA & dismantling the existing unit for new plant;

(v) The content of Self-declaration for procuring raw material from valid source,

(vi) The content of affidavit for implementation of environment management plan and pollution control measures with budgetary provision for implementation;

(vii) The content of Environmental Clearance granted by MoEF&CC, Gov vide ref. no. J-11011/459/2017-1(A).II(I), dated 24.12.2018 for LC Ferro Chrome & LC Ferro Manganese-3600 TPA, Ferro Molybdenum-1200 TPA, Ferro Vanadium-1200 TPA;

(viii) The content of inspection report (IR) vide Ref. No. 933 dated 24.09.2020 regarding forest distance.

3. The consent is granted under section 25 / 26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 to operate the project in Mauza -GAMHARIA , P S -GAMHARIA , District -SERAIKELA KHARSAWAN , as follows:

Project	Site-Area		Investment (Rs)	Product & Capacity	Period of CTO
	Plot Nos.	Area			Date of issue To

Before Expansion	Plot no. NS-88, V1th Phase, AIA, Gamaharia, Seraikela Kharsawa	40000 sq.ft.	200 Lac	LC Ferro Chrome & LC Ferro Manganese 3600 TPA, Ferro Molybdenum 1200 TPA, Ferro Vanadium-1200 TPA	30/09/2025
------------------	--	--------------	---------	---	------------

(A) Specific Conditions:

1. That, the occupier shall do unloading of Coal in such a covered area that fugitive emissions shall be minimum and fixed type water sprinkling system must be installed in this area;
2. That, the occupier shall make Work area and transport roads concrete/ black top within two months of issue of this consent order failing which Consent to Operate shall be revoked.
3. That, the occupier shall purchase raw material only from valid source and shall maintain record of it and shall show the record to the Inspecting Officer during inspection;
4. That, the occupier shall inform to Regional Office-Cum- Lab, JSR and Head Office, JSPC Board, at Ranchi within 24 hrs from the time of closure or opening of the plant.
5. That, the occupier shall operate Pollution Control Device (APCD) i.e. wet scrubber regularly and shall maintain height of stack of at least 30 mtr from the ground level and maintain the standard of particulate matters/ dust concentration in stack emission of 150 mg/Nm³;
6. That, the occupier shall re-circulate the scrubbing water and reuse after proper settling and treatment and in no case it shall be discharged out of premises;
7. That, the occupier shall if be found violating the Consent to Operate at any point of time during inspection of the plant by the competent authority, the Consent to Operate shall be revoked as per provision of the acts.
8. That, the occupier shall submit online applications for renewal of consent under section 25 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 again 04 months prior to the date of expiry of this consent i.e. 30.09.2025 with documents showing compliance of all of the above conditions

(B) General Conditions :

- (1) That, the occupier shall maintain the **National Ambient Air Quality Standard** given below:

S N	Pollutant	Time Weighted Average	Concentration in Ambient Air	
			Industrial, Residential, Rural and Other Area	Ecologically Sensitive Area (notified by Central Govt.)
(1)	(2)	(3)	(4)	(5)
1.	Sulphur Dioxide (SO ₂), µg/m ³	Annual 24 hours	50 80	20 80
2.	Nitrogen Dioxide (NO ₂), µg/m ³	Annual 24 hours	40 80	30 80
3.	Particulate Matter (size less than 10 µm) or PM ₁₀ , µg/m ³	Annual 24 hours	60 100	60 100
4.	Particulate Matter (size less than 2.5 µm) or PM _{2.5} , µg/m ³	Annual 24 hours	40 60	40 60
5.	Ozone(O ₃), µg/m ³	8 hours 1 hour	100 180	100 180
6.	Lead (Pb) µg/m ³	Annual 24 hours	0.50 1.0	0.50 1.0
7.	Carbon Monoxide (CO) mg/m ³	8 hours 1 hour	02 04	02 04
8.	Ammonia (NH ₃) µg/m ³	Annual 24 hours	100 400	100 400
9.	Benzene (C ₆ H ₆) µg/m ³	Annual	05	05
10.	Benzo(a) Pyrene(BaP) Particulate Phase only ng/m ³	Annual	01	01
11.	Arsenic (As) ng/m ³	Annual	06	06
12.	Nickel (Ni) ng/m ³	Annual	20	20

**Note : Serial no. 1 to 4 – Mandatory
Serial no. 5 to 12 As applicable for specific type of industry.**

- (2) That, the occupier shall maintain the emission quality within the standard and the quantity, as follows:

S N	Parameter	Standard
1	Particulate Matter	100 mg/ Nm ³

- (3) That, the occupier shall keep process effluent in close-circuit and the quality of effluent from other sources in conformity with the standard (s) and the discharge quantity as below:

S N	Parameter	Standard
1	Total Suspended Solids	100 mg/L
2	BOD	30 mg/L
3	COD	250 mg/L
4	Oil & Grease	10 mg/L

- (4) That, the occupier shall dispose of solid wastes as follows:

S N	Waste Type	Mode of Disposal
1	Hazardous Carbonaceous Wastes	In co-processing in high temperature furnaces or kilns
2	Hazardous Non-Carbonaceous Wastes	In TSDF
3	Non-Carbonaceous Non-Hazardous solid wastes/ Mine Over Burden	As a substitute of Soil or Mineral

- (5) That, the occupier shall keep D G Set(s) within acoustic enclosure and shall keep the height(s) of exhaust pipe(s) as per Central Pollution Control Board norm.

- (6) That, the occupier shall install and maintain Central Ground Water Board/ State Ground Water Directorate approved system of rain water harvesting-cum-ground water recharge and submit the photographic view of the structures within a month.

- (7) That, the occupier shall grow and maintain greenery of the project in the periphery and other available spaces and shall continue enhancing its plant density and biodiversity.

- (8) That, the occupier shall submit environmental statement with supporting stoichiometric calculations analyses reports, every year latest by 30th September of the next financial year.

- (9) That, the occupier shall submit report(s) duly monitored and issued by an NABL accredited / ISO 9001:2008 and OHSAS 18001:2007 certified laboratory in compliance sub-para (2), (3), (4) and (5) of paragraph 3 of this CTO yearly at required periodicity.

- (10) That, this CTO is valid subjected to the validity of mining Lease/Mining Plan/Ecofriendly/Environmental Clearance, if applicable. In case of no renewal of Mining Lease/Mining Plan, this consent shall be treated as revoked automatically.
 - (11) That, this CTO is issued from the environmental angle only and does not absolve the occupier from other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility to comply with these conditions laid down in all other laws for the time-being in force, rests with the industry/ unit/ occupier.
 - (12) That, this CTO shall not in any way, adversely affect or jeopardize the legal proceeding , if any, instituted in the past or that could be , instituted against you by the State Board for violation of the provisions of the Act or the Rules made there under.
 - (13) That, the occupier shall comply with all applicable provisions of the Water (Prevention & Control of Pollution) Act, 1974; the Water (Prevention & Control of Pollution) Cess Act, 1977; the Air (Prevention & Control of Pollution) Act, 1981; and the Environment (Protection) Act, 1986 and Rules made there under.
4. That, this CTO shall not absolve the occupier from making compliance of other statutory prescribed under any law or direction of courts or any other instrument for the time being in force.
 5. That, this CTO is being issued on the basis of information/ documents/ certificate submitted by the unit. This CTO will be revoked if any of the information/documents/certificates/undertaking given by the occupier is found false/fictitious/forged in future.
 6. The Order shall be valid subject to compliance of all other legal requirements applicable to the unit.
 7. The State Board reserve the right to revoke, withdraw or make any reasonable variation / change / alteration in conditions of this consent.

This is issued with the approval of the Competent authority

DINESH Digitally signed
by DINESH
PRASAD PRASAD SINGH
Date: 2020.10.18
SINGH 13:02:45 +05'30'
(Dinesh Prasad Singh)
Environmental Engineer

Dated : 2020-10-18

Memo No. : JSPCB/HO/RNC/CTO-
8911700/2020/1735

Copy to: M/s JAMSHEDPUR CHLOROCEM PVT. LTD., NS-88, 6TH-PHASE, AIA, Seraikela Kharsawan/ Chief Inspector of Factory, Doranda, Ranchi/ Director Industries, Govt. of Jharkhand, Ranchi/ Deputy Commissioner, Seraikela Kharsawan/ D.F.O, Seraikela Kharsawan/ Regional Office, J.S.P.C. Board, Jamshedpur for information and necessary action.

DINESH Digitally signed
by DINESH
PRASAD PRASAD SINGH **(Dinesh Prasad Singh)**
Date: 2020.10.18 Environmental Engineer
SINGH 13:02:53 +05'30'

ADITYAPUR MUNICIPAL CORPORATION

WATER USER CHARGE

Payment Receipt

Receipt No. **497123-25202315859**

Date : 02-05-2023

Department / Section :

Ward No : 20

Account Description : Water Fees (User Charge), Fees, Other Charges & Deposits

Holding No : SAF NOT DONE

Consumer No : ADI130919014425200928

Old Consumer No :

M-215

Received From Shri / Smt.

M/S JAMSHEDPUR CHLOROCEM CO

NA

Address :

NS-88 SIXTH PHASE ADITYAPUR Mobile No

7004606657

A. Sum of Rs. 540.00

(in words) Five Hundred and Forty only

towards Water Fees (User Charges), Fees, Other Charges & Deposits vide CASH

WATER USES CHARGE DETAILS

Code of Amount	Account Description	Period/Units	Due Period	Amount
1405012	Water Fees (User Charge)(2023 - 2024)	01-04-2023 - 31-05-2023	2 Month(s)	540.00
1801003	Water Supply Deposits (Deposit Fortified)			
1404007	Disconnection Fees			
3402001	Water Connection Deposit(Refundable)			
1407004	Road Damage Recovery			
1718003	Interest on Water Tax Receivable			
			Total Billing Amount	540.00
			Amount Received	540.00
			Total Due	0.00

Signature of Tax Collector

Details Please Visit : udhd.jharkhand.gov.in
OR Call us at 18002586545

In Collaboration with
Sparrow Softech Pvt. Ltd.
H-117, Harmu Housing
Colony, Sajanand
Chowk, Ranchi

Print Date : 02-05-2023

NOTE : This is a Computer generated receipt. This receipt does not require physical signature.



ADITYAPUR MUNICIPAL CORPORATION



WATER USER CHARGE

Payment Receipt

Receipt No. **514442-572023141536**

Date : 05-07-2023

Department / Section :

Ward No : 20

Account Description : Water Fees (User Charge), Fees, Other Charges & Deposits

Holding No : SAF NOT DONE

Consumer No : ADI130910014425200928

Old Consumer No : M-215

Received From / Smt.

**M/S JAMSHEDPUR
CHLOROCEM**

C/O

NA

Address

**NS-88 SIXTH PHASE
ADITYAPUR**

Mobile No

7004606657

A Sum of Rs. **540.00**

(in words) **Five Hundred and Forty only.**

Amounts Water Fees (User Charges), Fees, Other Charges & Deposits via CASH

WATER USES CHARGE DETAILS

Code of Amount	Account Description	Period	Due Period	Amount
1405012	Water Fees (User Charge)(2023 - 2024)	01-06-2023 - 31-07-2023	2 Month(s)	540.00
1801003	Water Supply Deposits (Deposit Fortified)			
1404007	Disconnection Fees			
3402001	Water Connection Deposit(Refundable)			
1407004	Road Damage Recovery			
1718003	Interest on Water Tax Receivable			
			Total Billing Amount	540.00
			Amount Received	540.00
			Rebate Amount	0.00
			Total Due	0.00

हर वोट हे जरूरी।

मतदाता के रूप में आज ही पंजीकरण करावाए।

Every Vote matters.

Enroll Yourself as a Voter Today .



Signature of Tax Collector

For Details Please Visit : udhd.jharkhand.gov.in
OR Call us at 18002885545

Print Date : 05-07-2023

NOTE : This is a Computer generated receipt. This receipt does not require physical signature.

In Collaboration with
Sparrow Softtech Pvt. Ltd.
H-117, Harmu Housing
Colony, Sojanand
Chowk, Ranchi



ADITYAPUR MUNICIPAL CORPORATION



WATER USER CHARGE

Payment Receipt

Receipt No. **530235-69202311041**

Date : 06-09-2023

Department / Section :

Ward No : 20

Account Description : Water Fees (User Charge), Fees, Other Charges & Deposits

Holding No : SAF NOT DONE

Consumer No : AD113091901442520028

Old Consumer No : M-215

Received From She / Ent.

M/S JAMSHEDPUR
CHLOROCEM

C/D

NA

Address :

NS-83 SIXTH PHASE
ADITYAPUR

Mobile No

7004606657

A Sum of Rs. **540.00** (in words) **Five Hundred and Fourty only**

towards **Water Fees (User Charges), Fees, Other Charges & Deposits** via **CASH**

WATER USES CHARGE DETAILS

Code of Amount	Account Description	Period	Due Period	Amount
1405012	Water Fees (User Charge)(2023 - 2024)	01-08-2023 - 30-09-2023	2 Month(s)	540.00
1801003	Water Supply Deposits (Deposit Forfeited)			
1404007	Disconnection Fees			
3402001	Water Connection Deposit(Refundable)			
1407004	Road Damage Recovery			
1710003	Interest on Water Tax Receivable			
			Total Billing Amount	540.00
			Amount Received	540.00
			Rebate Amount	0.00
			Total Due	0.00

हर वोट है जरूरी।

मातापिता के रूप में आप ही परीक्षण करवाए।

Every Vote matters.

Enrol Yourself as a Voter Today.



Signature of Tax Collector

For Details Please Visit : adityapurhand.gov.in
OR Call us at 18002588545

Print Date : 06-09-2023

In Collaboration with
Sparrow Softtech Pvt. Ltd.
H-117, Namu Housing
Colony, Sajansand
Chowk, Ranchi

NOTE : This is a Computer generated receipt. This receipt does not require physical signature.

ANNEXURE - 5



JHARKHAND STATE POLLUTION CONTROL BOARD

T.A. DIVISION BUILDING (GROUND FLOOR), H.E.C., DHURWA, RANCHI -834004

Phone.:2400852, 2400851, Fax:0651- 2400850 www.jspcb.org

FORM 2

[See rule 6(2)]

FORM FOR GRANT OR RENEWAL OF AUTHORIZATION BY STATE POLLUTION CONTROL BOARD TO THE OCCUPIERS, RECYCLERS, REPROCESSORS, REUSERS, USER AND OPERATORS OF DISPOSAL FACILITIES

1. No. of authorization and date of issue: JSPCB/RO/JSR/HWM-9013202/2020/4 15/10/2020
2. Reference of application(No. and date): 9013202 24/09/2020
3. JAMSHEDPUR CHLOROCEM PVT. LTD of MANOJ KUMAR GUTGUTIA is hereby granted an authorisation based on the enclosed signed inspection report for generation, collection, reception, storage, transport, reuse, recycling, recovery, pre-processing, co-processing, utilisation, treatment, disposal or any other use of hazardous or other wastes or both on the premises situated at NS-88, 6TH-PHASE, ADITYAPUR INDUSTRIAL AREA, GAMHARIA, DIST.- SARAIKELA-KHARSAWAN, JHARKHAND

Details of Authorisation

Sl.No.	Category of Hazardous Waste as per the Schedules I, II and III of these rules	Authorised mode of disposal or recycling or utilisation or co-processing, etc.	Quantity(ton/annum)
1	Chromium compounds(VI), 7.1 & 7.4	M/s Adityapur Waste Management Pvt. Ltd. TSDf	36 Tone/Year

(1) The authorisation shall be valid for a period of Upto 23.09.2025

(2) The authorisation is subject to the following general and specific conditions (Please specify any conditions that need to be imposed over and above general conditions, if any):

A General conditions of authorisation:

1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.
3. The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.
4. Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.

5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.
6. The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty"
7. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
8. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
9. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
11. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
12. An application for the renewal of an authorisation shall be made as laid down under these Rules.
13. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
14. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.

B Specific conditions:

- (1) An application for the renewal of an authorization shall be made as laid down in SI. No. 5 (6) (II) of Hazardous waste (Management & Handling) Rules, 1989.
- (2) The quantities with categories and names of Hazardous wastes generated shall be submitted within one month.
- (3) Hazardous Wastes shall be kept in secured land and sent to authorized recycler.
- (4) The unit shall maintain records of collection, Reception, Treatment, Storage & Disposal of H/W in form-3 and submit annual return in form-4 as per the rules.
- (5) That, the unit shall install H.W. Display Board at main gate and update it from time to time.

Memo No:JSPCB/RO/JSR/HWM-9013202/2020/4
Date: 15/10/2020

SURESH PASWAN
Digitally signed by SURESH PASWAN
Date: 2020.10.15 16:54:50 +05'30'
(Suresh Paswan)
Regional Officer

Copy To:

M/s Jamshedpur Chlorochem Pvt. Ltd., NS-88, 6th-Phase, AIA, Gambaria, Dist- Saraikela Kharsawan/Deputy Commissioner, Saraikela Kharsawan/Factory Inspector, Saraikela Kharsawan/Regional Director, JIADA/The Member Secretary, Jharkhand State Pollution Control Board, Ranchi for information.

SURESH PASWAN
Digitally signed by SURESH PASWAN
Date: 2020.10.15 16:55:18 +05'30'
(Suresh Paswan)
Regional Officer

ANNEXURE-6



ENVIRONMENTAL LABORATORIES &

PLOT NO-30, MANSAROVAR ENCLAVE, TUPUDANA
HATIA, RANCHI-834003 (JHARKHAND)
GST NO:- 20AAECE9713D128

ENGINEERING SERVICES PVT. LTD.

Email: info@elespl.co.in, eles.ranchi@gmail.com

Phone no.: 0651-2290103

Website : www.elespl.co.in



CIN: U74999JH2018PTC021125

TEST REPORT

Test Report No. : ELES/RNC/2023/3468	Report Release Date : 13.09.2023
ULR No. : TC883923000002233F	

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: Jamshedpur Chlorochem Pvt. Ltd.	Sample Ref. No.	: ELES/RNC/2023/AA/3133
Address	: Plot No.- NS-88, VI th Phase	Location	: Near Transformer Room
	: Adityapur Industrial Area, Dist- Saraikela Kharsawan.	Sampling Date	: 02.09.2023 to 03.09.2023
Plant Status	: Operational	Sample Received Date	: 05.09.2023
		Type of Sample	: Ambient Air
Period of Analysis	: 05.09.2023 to 07.09.2023	Sampling Procedure	: ELES/DOC/SMPL/02
		Sample Drawn By	: ELES Pvt. Ltd.
		Sample Condition	: Sealed & Preserved

METEOROLOGICAL INFORMATION

1	Average Temperature (°C)	: 27	2	Barometric Pressure (mmHg)	: 749
3	Relative Humidity (%)	: 65	4	Weather Condition	: Partly Cloudy
5	Longitude	: 86°07'19.93"E	6	Latitude	: 22°47'50.85"N

NABL Accredited

Discipline: Chemical

Group: Atmospheric Pollution

Parameter	Unit	Test Protocol	Result	Regulatory Limit
Particulate Matter (PM10)	µg/m ³	IS 5182 (Part-23): 2006; RA2022	67	100 (24hrs)
Particulate Matter (PM2.5)	µg/m ³	IS 5182 (Part- 24): 2019	36	60 (24hrs)
Sulphur Di-Oxide (SO ₂)	µg/m ³	IS 5182 (Part-2): 2001; RA2022	9.1	80 (24hrs)
Nitrogen Di-Oxide (NO ₂)	µg/m ³	IS 5182 (Part-6): 2006; RA2022	22.5	80 (24hrs)
Ozone (O ₃)	µg/m ³	IS 5182 (Part-9): 1974; RA2019	<20.0	100 (8hrs)
Ammonia (NH ₃)	µg/m ³	IS 5182 (Part- 25): 2018	<10.0	400 (24hrs)
Carbon Monoxide (CO)	mg/m ³	IS 5182 (Part-10): 1999; RA2019	1.22	2 (8hrs)
Lead (Pb)	µg/m ³	IS 5182 (Part-22): 2004; RA2019	0.016	1 (24hrs)
Arsenic (As)	ng/m ³	IS 5182 (Part- 26): 2020	2.2	06 (Annual)
Nickel (Ni)	ng/m ³	ELES/AIR/SOP/01	<6.0	20 (Annual)



****End of Report****

Authorised Signatory

Dr. Deependra Kumar Sinha

Page 1 of 1

Dr. D. Environmental Group

ELES Pvt. Ltd. Technical Manager

The Document stated as Test Report, is issued by the Laboratory under General Terms and Conditions, only on Company's letter head or printed on its own paper. The results shown in the Test Report refer or relates only to the analysis done by the Laboratory only. The information stated on the Test Report reflects the findings done by the Laboratory at the time of involvement only and within the limits of client's instructions. The Laboratory is responsible for all the information or data provided on the report, except the information which is provided by the client. The Report cannot be reproduced except in full and any part of the report is not taken out of context, without prior written approval of the Laboratory. The Report in full or in part shall not be published, advertised, used for any legal actions unless prior permission has been obtained from the Management of the Laboratory. Attention is drawn to the limitation of liability, compensation and jurisdiction issues. Any unauthorized alteration or fabrication of the content or appearance of the Test Report is unlawful and offenders may be prosecuted to the fullest extent of the law. All the samples are retained for 30days from the Date of release/issue of the Test Report. The samples from Regulatory bodies are to be retained as specified. Any type of Observations or Complaints regarding the Reports shall be done within 15days from the Date of Test Report released/issued. After the time period stated before, no complaints will be accepted. The entire Time schedule mentioned in Test Report is in 24hours format. Abbreviation used: N/A (Not Applicable); BCL (Below Detection Limit); LDI (Lower Detection Limit).



ENVIRONMENTAL LABORATORIES &

PLOT NO-30, MANSAROVAR ENCLAVE, TUPUDANA
HATIA, RANCHI-834003 (JHARKHAND)
GST NO- 20AAECE97130124

ENGINEERING SERVICES PVT. LTD.

Email: info@elespl.co.in . eles.ranchi@gmail.com

Phone no.: 0651-2290103

Website : www.elespl.co.in

CIN: U74909JH2018PTC011129

TEST REPORT

Test Report No. : ELES/RNC/2023/3468	Report Release Date : 13.09.2023
--------------------------------------	----------------------------------

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: Jamshedpur Chlorochem Pvt. Ltd.	Sample Ref. No.	: ELES/RNC/2023/AA/3133
Address	: Plot No.- NS-88, VI th Phase	Location	: Near Transformer Room
	: Adityapur Industrial Area.	Sampling Date	: 02.09.2023 to 03.09.2023
	: Dist- Saraikela Kharsawan.	Sample Received Date	: 05.09.2023
Plant Status	: Operational	Type of Sample	: Ambient Air
Period of Analysis	: 05.09.2023 to 12.09.2023	Sampling Procedure	: ELES/DOC/SMPL/02
		Sample Drawn By	: ELES Pvt. Ltd.
		Sample Condition	: Sealed & Preserved

METEOROLOGICAL INFORMATION					
1	Average Temperature (°C)	: 27	2	Barometric Pressure (mmHg)	: 749
3	Relative Humidity (%)	: 65	4	Weather Condition	: Partly Cloudy
5	Longitude	: 86°07'19.93"E	6	Latitude	: 22°47'50.85"N

Parameter	Unit	Test Protocol	Result	Regulatory Limit
Benzene (C ₆ H ₆)*	µg/m ³	IS 5182 (Part-11)2006;RA2017	<1.0	05(Annual)
Benzo-(a)-Pyrene*	ng/m ³	IS 5182 (Part-12)2004;RA2019	<0.5	01(Annual)

Remarks: 1(*)-Parameters are outsourced to other Lab.



****End of Report****


Authorised Signatory
 Dr. Deependra Kumar Sinha
 Ph. D. Environmental Engg.
 ELES Pvt. Ltd. Technical Manager

The Document stated as Test Report, is issued by the Laboratory under General Terms and Conditions, only on Company letter head in pre-approved format. The results shown in the Test Report refer or relate only to the job/analysis done by the Laboratory only. The information stated on the Test Report reflects the findings done by the Laboratory at the time of involvement only and within the limits of client's instructions. The Laboratory is responsible for all the information or data provided on the report, except the information which is provided by the client. The Report cannot be reproduced except in full and any part of the report is not taken out of context, without prior written approval of the Laboratory. The Report in full or in part shall not be published, advertised, used for any legal actions unless prior permission has been secured from the Management of the Laboratory. Attention is drawn in the limitations of liability, compensation and jurisdiction issues. Any unauthorized alteration & fabrication of the content or appearance of the Test Report is unlawful and offenders may be prosecuted to the fullest extent of the law. All the samples are retained for 30days from the Date of release/issue of the Test Report. The samples from Regulatory bodies are to be retained as specified. Any type of Observations or Complaints regarding the Reports shall be done within 15days from the Date of Test Report released/issued. After the time period stated before, no complaints will be accepted. The entire Time schedule mentioned in Test Report is in 24hours format. Abbreviation used: N/A (Not Applicable), BDL (Below Detection Limit), LDR (Lower Detection Limit).



ENVIRONMENTAL LABORATORIES &

PLOT NO-50, MANSAROVAR ENCLAVE, TUPUDANA
HATIA, RANCHI-834003 (JHARKHAND)
GST NO:- 20AAECE571301L24

ENGINEERING SERVICES PVT. LTD.

Email: info@elespl.co.in, eles.ranchi@gmail.com

Phone no.: 0651-2290103

Website: www.elespl.co.in



TEST REPORT

Test Report No.	: ELES/RNC/2023/3469	Report Release Date	: 13.09.2023
ULR No.	: TC883923000002234F		

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: Jamshedpur Chlorochem Pvt. Ltd.	Sample Ref. No.	: ELES/RNC/2023/AA/3134
Address	: Plot No.- NS-88, VI th Phase	Location	: North East Corner of the Plant
	: Adityapur Industrial Area, Dist- Saraikela Khursawan.	Sampling Date	: 02.09.2023 to 03.09.2023
Plant Status	: Operational	Sample Received Date	: 05.09.2023
		Type of Sample	: Ambient Air
Period of Analysis	: 05.09.2023 to 07.09.2023	Sampling Procedure	: ELES/DOC/SMPL/02
		Sample Drawn By	: ELES Pvt. Ltd.
		Sample Condition	: Sealed & Preserved

METEOROLOGICAL INFORMATION					
1	Average Temperature (°C)	: 27	2	Barometric Pressure (mmHg)	: 749
3	Relative Humidity (%)	: 65	4	Weather Condition	: Partly Cloudy
5	Longitude	: 86°07'15.64"E	6	Latitude	: 22°47'49.76"N

NABL Accredited				
Discipline: Chemical			Group: Atmospheric Pollution	
Parameter	Unit	Test Protocol	Result	Regulatory Limit
Particulate Matter (PM10)	µg/m ³	IS 5182 (Part-23): 2006; RA2022	62	100 (24hrs)
Particulate Matter (PM2.5)	µg/m ³	IS 5182 (Part- 24): 2019	31	60 (24hrs)
Sulphur Di-Oxide (SO ₂)	µg/m ³	IS 5182 (Part-2): 2001; RA2022	7.7	80 (24hrs)
Nitrogen Di-Oxide (NO ₂)	µg/m ³	IS 5182 (Part-6): 2006; RA2022	19.2	80 (24hrs)
Ozone (O ₃)	µg/m ³	IS 5182 (Part-9): 1974; RA2019	<20.0	100 (8hrs)
Ammonia (NH ₃)	µg/m ³	IS 5182 (Part- 25): 2018	<10.0	400 (24hrs)
Carbon Monoxide (CO)	mg/m ³	IS 5182 (Part-10): 1999; RA2019	1.08	2 (8hrs)
Lead (Pb)	µg/m ³	IS 5182 (Part-22): 2004; RA2019	0.005	1 (24hrs)
Arsenic (As)	ng/m ³	IS 5182 (Part- 26): 2020	<2.0	06 (Annual)
Nickel (Ni)	ng/m ³	ELES/AIR/SOP/01	<6.0	20 (Annual)



****End of Report****

Dr. Deependra Kumar Sinha
Authorised Signatory
 Dr. Deependra Kumar Sinha
 P. O. Environmental Engg.
 ELES Pvt. Ltd. Technical Manager

Page 1 of 1

The Document stated as Test Report, is issued by the Laboratory under General Terms and Conditions, only on Company letter head in pre-approved format. The results shown in the Test Report refer or relates only to the job/analysis done by the Laboratory only. The information stated on the Test Report reflects the findings done by the Laboratory at the time of involvement only and within the limits of client's instructions. The Laboratory is responsible for all the information or data provided on the report, except the information which is provided by the client. The Report cannot be replicated except in full and any part of the report is not taken out of context, without prior written approval of the Laboratory. The Report in full or in part shall not be published, advertised, used for any legal actions unless prior permission has been received from the Management of the Laboratory. Attention is drawn to the limitation of liability, competence and jurisdiction issues. Any unauthorized alteration & falsification of the content or appearance of the Test Report is unlawful and offenders may be prosecuted to the fullest extent of the law. All the samples are retained for 30 days from the Date of release/issue of the Test Report. The samples from Regulatory bodies are to be retained as specified. Any type of Observations or Complaints regarding the Reports shall be done within 15 days from the Date of Test Report released/issued. After the time period stated before, no complaints will be accepted. The entire Time schedule mentioned in Test Report is in 24-hour format. Abbreviation used: N/A (Not Applicable), BDL (Below Detection Limit), L.DL (Lower Detection Limit).



ENVIRONMENTAL LABORATORIES &

PLOT NO-30, MANSAROVAR ENCLAVE, TUPUDANA
HATIA, RANCHI-834003 (JHARKHAND)
GST NO:- 20AAEECE97130124

ENGINEERING SERVICES PVT. LTD.

Email: info@elespl.co.in, eles_ranchi@gmail.com

Phone no.: 0651-2290103

Website: www.elespl.co.in

CIN: U74999JH2018PTL011125

TEST REPORT

Test Report No. : ELES/RNC/2023/3469	Report Release Date : 13.09.2023
--------------------------------------	----------------------------------

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: Jamshedpur Chlorochem Pvt. Ltd.	Sample Ref. No	: ELES/RNC/2023/AA/3134
Address	: Plot No.- NS-88, VI th Phase	Location	: North East Corner of the Plant
	: Adityapur Industrial Area, Dist- Saraikela Kharsawan.	Sampling Date	: 02.09.2023 to 03.09.2023
Plant Status	: Operational	Sample Received Date	: 05.09.2023
Period of Analysis	: 05.09.2023 to 12.09.2023	Type of Sample	: Ambient Air
		Sampling Procedure	: ELES/DOC/SMPL/02
		Sample Drawn By	: ELES Pvt. Ltd.
		Sample Condition	: Sealed & Preserved

METEOROLOGICAL INFORMATION					
1	Average Temperature (°C)	: 27	2	Barometric Pressure (mmHg)	: 749
3	Relative Humidity (%)	: 65	4	Weather Condition	: Partly Cloudy
5	Longitude	: 86°07'15.64"E	6	Latitude	: 22°47'49.76"N

Parameter	Unit	Test Protocol	Result	Regulatory Limit
Benzene (C ₆ H ₆)*	µg/m ³	IS 5182 (Part-11)2006;RA2017	<1.0	05(Annual)
Benzo-(a)-Pyrene*	ng/m ³	IS 5182 (Part-12)2004;RA2019	<0.5	01(Annual)

Remarks: 1(*)-Parameters are outsourced to other Lab.



****End of Report****


Authorized Signatory
 Dr. Deependra Kumar Sinha
 Ph. D. Environmental Engg.
 ELES Pvt. Ltd. Technical Manager

The Document stated as Test Report, is issued by the Laboratory under General Terms and Conditions, only on Company letter head in pre-approved format. The results shown in the Test Report refer or relate only to the job/analysis done by the Laboratory only. The information stated on the Test Report reflects the findings done by the Laboratory at the time of involvement only and within the limits of client's instructions. The Laboratory is responsible for all the information or data provided in the report, except the information which is provided by the client. The Report cannot be reproduced except in full and any part of the report is not taken out of context, without prior written approval of the Laboratory. The Report in full or in part shall not be published, advertise, used for any legal actions unless prior permission has been received from the Management of the Laboratory. Attention is drawn to the limitation of liability, compensation and jurisdiction issues. Any unauthorized alteration & fabrication of the content or appearance of the Test Report is unlawful and offenders may be prosecuted to the fullest extent of the law. All the samples are returned for 30days from the Date of release/issue of the Test Report. The samples from Regulatory bodies are to be returned as specified. Any type of Observations or Compliments regarding the Reports shall be done within 15days from the Date of Test Report release/issued. After the time period stated before, no complaints will be accepted. The entire Time schedule mentioned in Test Report is 24hours format. Abbreviation used: N/A (Not Applicable), BDL (Below Detection Limit), LDH (Lower Detection Limit).



ENVIRONMENTAL LABORATORIES &

PLOT NO-30, MANSAROVAR ENCLAVE, TUPUDANA
HATIA, RANCHI-834003 (JHARKHAND)
GST NO:- 20AAEE9V1J3D124

ENGINEERING SERVICES PVT. LTD.

Email: info@elespl.co.in, eles.ranchi@gmail.com
Phone no.: 0651-2290101
Website: www.elespl.co.in



CIN: U74909JH2011PTC011173

TEST REPORT

Test Report No. : ELES/RNC/2023/3470	Report Release Date : 13.09.2023
ULR No. : TC883923000002235F	

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: Jamshedpur Chlorochem Pvt. Ltd.	Sample Ref. No.	: ELES/RNC/2023/AA/3135
Address	: Plot No.- NS-88, VI th Phase Adityapur Industrial Area, Dist- Saraikela Kharsawan.	Location	: North West Corner of the Plant
		Sampling Date	: 02.09.2023 to 03.09.2023
Plant Status	: Operational	Sample Received Date	: 05.09.2023
Period of Analysis	: 05.09.2023 to 07.09.2023	Type of Sample	: Ambient Air
		Sampling Procedure	: ELES/DOC/SMPL/02
		Sample Drawn By	: ELES Pvt. Ltd.
		Sample Condition	: Sealed & Preserved

METEOROLOGICAL INFORMATION					
1	Average Temperature (°C)	: 27	2	Barometric Pressure (mmHg)	: 749
3	Relative Humidity (%)	: 65	4	Weather Condition	: Partly Cloudy
5	Longitude	: 86°07'16.85"E	6	Latitude	: 22°47'51.71"N

NABL Accredited				
Discipline: Chemical			Group: Atmospheric Pollution	
Parameter	Unit	Test Protocol	Result	Regulatory Limit
Particulate Matter (PM10)	µg/m ³	IS 5182 (Part-23): 2006; RA2022	69	100 (24hrs)
Particulate Matter (PM2.5)	µg/m ³	IS 5182 (Part-24): 2019	38	60 (24hrs)
Sulphur Di-Oxide (SO ₂)	µg/m ³	IS 5182 (Part-2): 2001; RA2022	10.5	80 (24hrs)
Nitrogen Di-Oxide (NO ₂)	µg/m ³	IS 5182 (Part-6): 2006; RA2022	24.9	80 (24hrs)
Ozone (O ₃)	µg/m ³	IS 5182 (Part-9): 1974; RA2019	<20.0	100 (8hrs)
Ammonia (NH ₃)	µg/m ³	IS 5182 (Part-25): 2018	<10.0	400 (24hrs)
Carbon Monoxide (CO)	mg/m ³	IS 5182 (Part-10): 1999; RA2019	1.12	2 (8hrs)
Lead (Pb)	µg/m ³	IS 5182 (Part-22): 2004; RA2019	0.009	1 (24hrs)
Arsenic (As)	ng/m ³	IS 5182 (Part-26): 2020	2.6	06 (Annual)
Nickel (Ni)	ng/m ³	ELES/AIR/SOP/01	<6.0	20 (Annual)



Reviewed by

****End of Report****

Authorised Signatory
Dr. Deependra Kumar Sinha

Ch. G. Srinivasulu Reddy
ELES Pvt. Ltd. Technical Manager

Page 1 of 1

The Document stated as Test Report, is issued by the Laboratory under General Terms and Conditions, only on Company letter head in pre-approved format. The results shown in the Test Report refer or relates only to the job/analysis done by the Laboratory only. The information stated on the Test Report reflects the findings done by the Laboratory at the time of involvement only and within the limits of client's instructions. The Laboratory is responsible for all the information or data provided on the report, except the information which is provided by the client. The Report cannot be reproduced except in full and any part of the report is not taken out of context, without prior written approval of the Laboratory. The Report in full or in part shall not be published, advertised, used for any legal actions unless prior permission has been received from the Management of the Laboratory. Attention is drawn to the limitation of liability, compensation and jurisdiction issues. Any unauthorized alteration & falsification of the content or appearance of the Test Report is unlawful and offenders may be prosecuted to the fullest extent of the law. All the samples are retained for 30 days from the Date of release/issue of the Test Report. The samples from Regulatory bodies are to be retained as specified. Any type of Observations or Complaints regarding the Reports shall be done within 15 days from the Date of Test Report release/issue. After the time period stated before, no complaints will be accepted. The entire time schedule mentioned in Test Report is in 24 hours format. Abbreviations used: N/A (Not Applicable), BDL (Below Detection Limit), LRL (Lower Detection Limit).



ENVIRONMENTAL LABORATORIES &

PLOT NO-30, MANSAROVAR ENCLAVE, TUPUDANA
HATIA, RANCHI-834003 (JHARKHAND)
GST NO:- 20AAECE9713D124

ENGINEERING SERVICES PVT. LTD.
Email: info@elespl.co.in , eles.ranchi@gmail.com
Phone no.: 0651-2290103
Website : www.elespl.co.in

CIN: U74999JH2018PTC011125

TEST REPORT

Test Report No. : ELES/RNC/2023/3470	Report Release Date : 13.09.2023
--------------------------------------	----------------------------------

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: Jamshedpur Chlorochem Pvt. Ltd.	Sample Ref. No.	: ELES/RNC/2023/AA/3135
Address	: Plot No.- NS-88, VI th Phase Adityapur Industrial Area, Dist- Saraikela Kharsawan.	Location	: North West Corner of the Plant
		Sampling Date	: 02.09.2023 to 03.09.2023
Plant Status	: Operational	Sample Received Date	: 05.09.2023
		Type of Sample	: Ambient Air
Period of Analysis	: 05.09.2023 to 12.09.2023	Sampling Procedure	: ELES/DOC/SMPL/02
		Sample Drawn By	: ELES Pvt. Ltd.
		Sample Condition	: Sealed & Preserved

METEOROLOGICAL INFORMATION					
1	Average Temperature (°C)	: 27	2	Barometric Pressure (mmHg)	: 749
3	Relative Humidity (%)	: 65	4	Weather Condition	: Partly Cloudy
5	Longitude	: 86°07'16.85"E	6	Latitude	: 22°47'51.71"N

Parameter	Unit	Test Protocol	Result	Regulatory Limit
Benzene (C ₆ H ₆)*	µg/m ³	IS 5182 (Part-11)2006;RA2017	<1.0	05(Annual)
Benzo(a)-Pyrene*	ng/m ³	IS 5182 (Part-12)2004;RA2019	<0.5	01(Annual)

Remarks: 1(*)-Parameters are outsourced to other Lab.



****End of Report****

Authorised Signatory
Dr. Deependra Kumar Sinha
Ph. D. Environmental Engg.
ELES Pvt. Ltd. Technical Manager

The Document stated as Test Report, is issued by the Laboratory under General Terms and Conditions, only on Company letter head in pre-approved format. The results shown in the Test Report refer or relates only to the job/analysis done by the Laboratory only. The information stated on the Test Report reflects the findings done by the Laboratory at the time of involvement only and within the limits of client's instructions. The Laboratory is responsible for all the information or data provided on the report, except the information which is provided by the client. The Report cannot be reproduced except in full and any part of the report is not taken out of context, without prior written approval of the Laboratory. The Report in full or in part shall not be published, advertised, used for any legal actions unless prior permission has been received from the Management of the Laboratory. Attention is drawn to the limitation of liability, compensation and jurisdiction issues. Any unauthorized alteration & falsification of the content or appearance of the Test Report is unlawful and offenders may be prosecuted to the fullest extent of the law. All the samples are retained for 30days from the date of release/issue of the Test Report. The samples from Regulatory bodies are to be retained as specified. Any type of Observations or Complaints regarding the Reports shall be done within 15days from the Date of Test Report released/issued. After the time period stated before, no complaints will be accepted. The entry Time schedule mentioned in Test Report is in 24hours format. Abbreviations used: N/A (Not Applicable), BDL (Below Detection Limit), LDL (Lower Detection Limit).



ENVIRONMENTAL LABORATORIES &

PLOT NO-30, MANSAROVAR ENCLAVE, TUPUDANA
HATIA, RANCHI-834003 (JHARKHAND)
GST NO:- 20AAECE9713D124

ENGINEERING SERVICES PVT. LTD.

Email: info@elespl.co.in, eles.ranchi@gmail.com

Phone no.: 0651-2290103

Website: www.elespl.co.in



CIN: U74901JH2018PTC011125

TEST REPORT

Test Report No.	: ELES/RNC/2023/3471	Report Release Date	: 13.09.2023
ULR No.	: TC883923000002236F		

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: Jamshedpur Chlorochem Pvt. Ltd.	Sample Ref. No.	: ELES/RNC/2023/AA/3136
Address	: Plot No.- NS-88, VI th Phase	Location	: Roof of the Office
	: Adityapur Industrial Area, Dist- Saraikela Kharsawan.	Sampling Date	: 02.09.2023 to 03.09.2023
Plant Status	: Operational	Sample Received Date	: 05.09.2023
Period of Analysis	: 05.09.2023 to 07.09.2023	Type of Sample	: Ambient Air
		Sampling Procedure	: ELES/DOC/SMPL/02
		Sample Drawn By	: ELES Pvt. Ltd.
		Sample Condition	: Sealed & Preserved

METEOROLOGICAL INFORMATION					
1	Average Temperature (°C)	: 27	2	Barometric Pressure (mmHg)	: 749
3	Relative Humidity (%)	: 65	4	Weather Condition	: Partly Cloudy
5	Longitude	: 86°07'16.98"E	6	Latitude	: 22°47'49.43"N

NABL Accredited				
Discipline: Chemical		Group: Atmospheric Pollution		
Parameter	Unit	Test Protocol	Result	Regulatory Limit
Particulate Matter (PM10)	µg/m ³	IS 5182 (Part-23): 2006; RA2022	58	100 (24hrs)
Particulate Matter (PM2.5)	µg/m ³	IS 5182 (Part-24): 2019	30	60 (24hrs)
Sulphur Di-Oxide (SO ₂)	µg/m ³	IS 5182 (Part-2): 2001; RA2022	7.2	80 (24hrs)
Nitrogen Di-Oxide (NO ₂)	µg/m ³	IS 5182 (Part-6): 2006; RA2022	17.3	80 (24hrs)
Ozone (O ₃)	µg/m ³	IS 5182 (Part-9): 1974; RA2019	<20.0	100 (8hrs)
Ammonia (NH ₃)	µg/m ³	IS 5182 (Part-25): 2018	<10.0	400 (24hrs)
Carbon Monoxide (CO)	mg/m ³	IS 5182 (Part-10): 1999; RA2019	1.02	2 (8hrs)
Lead (Pb)	µg/m ³	IS 5182 (Part-22): 2004; RA2019	0.005	1 (24hrs)
Arsenic (As)	ng/m ³	IS 5182 (Part-26): 2020	2.6	06 (Annual)
Nickel (Ni)	ng/m ³	ELES/AIR/SOP/01	<6.0	20 (Annual)



Reviewed by

****End of Report****

Authorised Signatory

Dr. Deependra Kumar Singh

Ph. D. Environmental Engg

ELES Pvt. Ltd. Technical Manager

Page 1 of 1

The Document stated in Test Report, is issued by the Laboratory under General Terms and Conditions, with all Company's terms and conditions. The results shown in the Test Report refer or relate only to the analysis done by the Laboratory only. The information stated on the Test Report reflects the findings done by the Laboratory at the rate of involvement only and within the limits of client's instructions. The Laboratory is responsible for all the information or data provided on the report, except the information which is provided by the client. The Report cannot be reproduced, advertised, used for any legal actions unless prior permission has been required from written approval of the Laboratory. The Report in full or in part shall not be published, advertised, used for any legal actions unless prior permission has been required from the Management of the Laboratory. Attention is drawn to the limitation of liability, compensation and jurisdiction issues. Any unauthorised alteration & falsification of the content or appearance of the Test Report is unlawful and offenders may be prosecuted to the fullest extent of the law. All the samples are retained for 30 days from the date of release/issue of the Test Report. The samples from Regulatory bodies are to be retained as specified. Any type of Observations or Complaints regarding the Reports shall be done within 15 days from the Date of Test Report released/issued. After the time period stated before, no complaints will be accepted. The entire Time schedule mentioned in Test Report is in 2 hours format. Abbreviation used: N/A (Not Applicable), BDL (Below Detection Limit), L/DL (Lower Detection Limit).



ENVIRONMENTAL LABORATORIES &

PLOT NO-30, MANSAROVAR ENCLAVE, TURPUDANA
HATIA, RANCHI-834003 (JHARKHAND)
GST NO.- 20AAECE9713D124

ENGINEERING SERVICES PVT. LTD.

Email: info@elespl.co.in, eles.ranchi@gmail.com

Phone no.: 0651-2290103

Website : www.elespl.co.in

CIN: U74999JH2018PPY011229

TEST REPORT

Test Report No. : ELES/RNC/2023/3471	Report Release Date : 13.09.2023
--------------------------------------	----------------------------------

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: Jamshedpur Chlorochem Pvt. Ltd.	Sample Ref. No.	: ELES/RNC/2023/AA/3136
Address	: Plot No.- NS-88, VI th Phase Adityapur Industrial Area, Dist- Saraikela Kharsawan.	Location	: Roof of the Office
		Sampling Date	: 02.09.2023 to 03.09.2023
Plant Status	: Operational	Sample Received Date	: 05.09.2023
		Type of Sample	: Ambient Air
Period of Analysis	: 05.09.2023 to 12.09.2023	Sampling Procedure	: ELES/DOC/SMP/02
		Sample Drawn By	: ELES Pvt. Ltd
		Sample Condition	: Sealed & Preserved

METEOROLOGICAL INFORMATION					
1	Average Temperature (°C)	: 27	2	Barometric Pressure (mmHg)	: 749
3	Relative Humidity (%)	: 65	4	Weather Condition	: Partly Cloudy
3	Longitude	: 86°07'16.98"E	6	Latitude	: 22°47'49.43"N

Parameter	Unit	Test Protocol	Result	Regulatory Limit
Benzene (C ₆ H ₆)*	µg/m ³	IS 5182 (Part-11)2006;RA2017	<1.0	05(Annual)
Benzo-(a)-Pyrene*	ng/m ³	IS 5182 (Part-12)2004;RA2019	<0.5	01(Annual)

Remarks: 1(+)-Parameters are outsourced to other Lab.



End of Report

Deependra Kumar Sinha
Authorized Signatory

Dr. Deependra Kumar Sinha
Ph. D. Environmental Engg
ELES Pvt. Ltd. Technical Manager

The Document titled as Test Report, is issued by the Laboratory under General Terms and Conditions, only on Company letter head in pre-approved format. The results shown in the Test Report refer to relate only to the job/analysis done by the Laboratory only. The information stated on the Test Report reflects the findings done by the Laboratory at the time of an agreement only and within the limits of client's instruction. The Laboratory is responsible for all the information or data provided on the report, except the information which is provided by the client. The Report cannot be reproduced except in full and any part of the report is not taken out of context, without prior written approval of the Laboratory. The Report in full or in part shall not be published, advertise, used for any legal action unless prior permission has been received from the Management of the Laboratory. Attention is drawn to the limitation of liability, compensation and jurisdiction issues. Any amendment/alteration & fabrication of the content or appearance of the Test Report is unlawful and offenders may be prosecuted to the fullest extent of the law. All the samples are retained for 30 days from the Date of release/issue of the Test Report. The samples from Regulatory bodies are to be retained as specified. Any type of Observations or Complaints regarding the Report, shall be done within 15 days from the Date of Test Report released/issued. After the time period stated before, no complaints will be accepted. The entire Time schedule mentioned in Test Report is in 24 hours format. Abbreviation used - N/A (Not Applicable), BDL (Below Detection Limit), LDL (Lower Detection Limit)



ENVIRONMENTAL LABORATORIES &

PLOT NO-30, MANSAROVAR ENCLAVE, TUPUDANA
HATIA, RANCHI-834003 (JHARKHAND)
GST NO:- 20AAEC2971JD124

ENGINEERING SERVICES PVT. LTD.

Email: info@elespl.co.in, eles_ranchi@gmail.com

Phone no.: 0651-2290103

Website: www.elespl.co.in



CIN: U74909WB2018PT0311125

TEST REPORT

Test Report No.	: ELES/RNC/2023/3472	Report Release Date	: 13.09.2023
ULR No.	: TC883923000002237F		

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: Jamshedpur Chlorochem Pvt. Ltd	Sampling Date	: 02.09.2023 to 03.09.2023
Address	: Plot No.- NS-88, VI th Phase	Sampling Received Date	: 05.09.2023
	: Adityapur Industrial Area,	Type of Sample	: Ambient Noise
	: Dist- Saraikela Kharsawan.	Sampling procedure	: ELES/DOC/SMPL/03
Plant Status	: Operational	Sample Drawn By	: ELES Pvt. Ltd.
		Period of Analysis	: 05.09.2023 to 12.09.2023

METEOROLOGICAL INFORMATION					
1	Average Temperature (°C)	: 27	2	Barometric Pressure (mmHg)	: 749
3	Relative Humidity (%)	: 65	4	Weather Condition	: Partly Cloudy

NABL Accredited					
Discipline : Chemical			Group : Atmospheric Pollution		
Location	Unit	Test Protocol	Result		Regulatory Limit (Industrial Zone)
North East Corner of the Plant	dB(A)	IS 9989:1981; RA 2020	Time	L ₁₀₁	
Sample ID: ELES/RNC/2023/AN/3137			Day Time	62	
Latitude: 22°47'49.76"N			Night Time	47	
North West Corner of the Plant	dB(A)	IS 9989:1981; RA 2020	Time	L ₁₀₂	
Sample ID: ELES/RNC/2023/AN/3138			Day Time	63	
Latitude: 22°47'51.71"N			Night Time	49	
Roof of the Office	dB(A)	IS 9989:1981; RA 2020	Time	L ₁₀₃	
Sample ID: ELES/RNC/2023/AN/3139			Day Time	60	
Latitude: 22°47'49.43"N			Night Time	46	
		Longitude : 86°07'15.64"E			
		Longitude : 86°07'16.85"E			
		Longitude : 86°07'16.98"E			

The Document stated as Test Report, is issued by the Laboratory under General Terms and Conditions, only on Company letter head in pre-approved format. The results shown in the Test Report infer or relies only to the job/analyses done by the Laboratory only. The information stated on the Test Report reflects the findings done by the Laboratory in the time of involvement only and within the limits of client's instructions. The Laboratory is responsible for all the information or data provided on the report, except the information which is provided by the client. The Report cannot be reproduced except in full and any part of the report is not taken out of context, without prior written approval of the Laboratory. The Report in full or in part shall not be published, advertised, used for any legal action unless prior permission has been secured from the Management of the Laboratory. Attention is drawn to the limitation of liability, compensation and jurisdiction issues. Any unauthorized alteration & fabrication of the content or appearance of the Test Report is unlawful and offenders may be prosecuted to the fullest extent of the law. All the samples are retained for 30 days from the Date of release/issue of the Test Report. The samples from Regulatory bodies are to be retained as specified. Any type of Observations or Complaints regarding the Reports shall be done within 15 days from the Date of Test Report released/issued. After the time period stated before, no complaints will be accepted. The entire Time schedule mentioned in Test Report is in 24 hours format. Abbreviation used: N/A (Not Applicable), ND (Below Detection Limit), LQL (Lower Detection Limit).



ENVIRONMENTAL LABORATORIES &

PLOT NO-30, MANSAROVAR ENCLAVE, TUPLIDANA
HATIA, RANCHI-834003 (JHARKHAND)
GST NO: 20AAACE97130124

ENGINEERING SERVICES PVT. LTD.

Email: info@elespl.co.in, eles.ranchi@gmail.com
Phone no.: 0651-2290103
Website: www.elespl.co.in



CTW: 1174999042018PT021125

TC: 8029

TEST REPORT

Test Report No. : ELES/RNC/2023/3472	Report Release Date : 13.09.2023
ULR No. : TC883923000002237F	

NABL Accredited

Discipline : Chemical		Group : Atmospheric Pollution			
Location	Unit	Test Protocol	Result		Regulatory Limit (Industrial Zone)
Near Transformer Room Sample ID: ELES/RNC/2023/AN/3140 Latitude: 22°47'50.85"N	dB(A)	IS 9989:1981; RA 2020	Time	L _{eq}	75 dB(A) Day Time & 70 dB(A) Night Time
			Day Time	65	
			Night Time	48	
Longitude : 86°07'19.93"E					



****End of Report****

Authorized Signatory

Dr. Deependra Kumar Sinha
Ph. D. Environmental Engg
ELES Pvt. Ltd. Technical Manager

The Document stated as Test Report, is issued by the Laboratory under General Terms and Conditions, only on Company letter head in pre-approved format. The results shown in the Test Report refer or relates only to the job/analysis done by the Laboratory only. The information stated as the Test Report reflects the findings done by the Laboratory at the time of involvement only and within the limits of client's instructions. The Laboratory is responsible for all the information or data provided on the report, except the information which is provided by the client. The Report cannot be reproduced except in full and any part of the report is not taken out of context, without prior written approval of the Laboratory. The Report in full or in part shall not be published, advertise, used for any legal actions unless prior permission has been obtained from the Management of the Laboratory. Attention is drawn to the limitation of liability, compensation and jurisdiction clause. Any unauthorized alteration & falsification of the content or appearance of the Test Report is unethical and offenders may be prosecuted to the fullest extent of the law. All the samples are retained for 30days from the Date of release/issue of the Test Report. The samples from Regulatory bodies are to be retained as specified. Any type of Observations or Complaints regarding the Reports shall be done within 15days from the Date of Test Report released/issued. After the time period stated before, no complaints will be accepted. The error limit schedule mentioned as Test Report is in 24hours format. Abbreviation used: N/A (Not Applicable), BDL (Below Detection Limit), LDL (Lower Detection Limit).



ENVIRONMENTAL LABORATORIES &

PLOT NO-30, MANSAROVAR ENCLAVE, TUPUDANA
HATIA, RANCHI-834003 (JHARKHAND)
GST NO.- 20AAFC057130124

ENGINEERING SERVICES PVT. LTD.

Email: info@elespl.co.in, eles.ranchi@gmail.com
Phone no.: 0652-2290103
Website: www.elespl.co.in



TEST REPORT

Test Report No. : ELES/RNC/2023/3474	Report Release Date : 13.09.2023
ULR No. : TC883923000002239F	

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: Jamshedpur Chlorochem Pvt. Ltd.	Sample Ref. No.	: ELES/RNC/2023/SM/3142
Address	: Plot No.- NS-88, VI th Phase	Location	: Bag Filter Stack
	: Adityapur Industrial Area, Dist- Saraikela Kharsawan.	Sampling Date	: 03.09.2023
Plant Status	: Operational	Sample Received Date	: 05.09.2023
Period of Analysis	: 05.09.2023 to 12.09.2023	Type of Sample	: Flue Gas
		Sampling Procedure	: ELES/DOC/SMPL/02(A)
		Sample Drawn By	: ELES Pvt. Ltd.
		Sample Condition	: Sealed & Preserved

GENERAL INFORMATION	
1 Particular of the Plant	: Ferro Alloys Plant
2 Emission Due to	: Process Activity
3 Stack Connected to	: Reactor Vessels
4 Material of Construction of Stack	: M.S.
5 Stack Height from Ground Level (m)	: 36.0
6 Height of Sampling Port from Ground Level (m)	: 17.5
7 Inner Diameter of Stack at Sampling Point (m)	: 0.9
8 Shape of the Stack	: Circular
9 Working Load of the Stack	: N/A
10 Pollution Control System	: Bag Filter & Cyclone Separator
11 Ladder & Platform	: Permanent

FUEL CHARACTERISTICS DETAILS	
1 Type of Fuel Used	: Aluminium
2 Fuel Consumption	: 144 Kg/Cycle
3 Calorific Value of Fuel (Kcal/Kg)	: N/A

The Document stated in Test Report, is issued by the Laboratory under General Terms and Conditions, only on Company letter head in pre-approved format. The results shown in the Test Report refer or relate only to the test/analysis done by the Laboratory only. The information stated in the Test Report reflects the findings done by the Laboratory at the time of involvement only and within the limits of client's instructions. The Laboratory is responsible for all the information or data provided on the report, except the information which is provided by the client. The Report cannot be reproduced except in full and any part of the report is not taken out of context, without prior written approval of the Laboratory. The Report in full or in part shall not be published, advertise, used for any legal actions unless prior permission has been secured from the Management of the Laboratory. Attention is drawn to the provision of liability, compensation and jurisdiction issues. Any unauthorised alteration & falsification of the content or appearance of the Test Report is unlawful and offenders may be prosecuted to the fullest extent of the law. All the samples are retained for 30days from the Date of reference/issue of the Test Report. The samples from Regulatory bodies are to be retained as specified. Any type of Observations or Complaints regarding the Reports shall be done within 15days from the Date of Test Report released/issued. After the time period stated before, no complaints will be accepted. The notice Time schedule mentioned in Test Report is in 24hours format. Abbreviation used: N/A (Not Applicable); BDL (Below Detection Limit); L.DL (Lower Detection Limit).



ENVIRONMENTAL LABORATORIES &

PLOT NO-30, MANSAROVAR ENCLAVE, TUPUDANA
HATIA, RANCHI-834003 (JHARKHAND)
GST NO:- 20AAEC8713D128

ENGINEERING SERVICES PVT. LTD

Email: info@elespl.co.in, eles_ranchi@gmail.com
Phone no.: 0651-2290103
Website : www.elespl.co.in



TEST REPORT

Test Report No. : ELES/RNC/2023/3474	Report Release Date : 13.09.2023
ULR No. : TC883923000002239F	

NABL Accredited			
Discipline : Chemical		Group : Atmospheric Pollution	
Parameter	Unit	Test Protocol	Result
Particulate Matter (PM)	mg/Nm ³	IS 11255(Part 1):1985; RA 2019	41
Sulphur Di-Oxide (SO ₂)	mg/Nm ³	US EPA 6C: 2017	39
Oxides of Nitrogen (NO _x)	mg/Nm ³	US EPA 7E: 2020	21
Flue Gas Temperature	°C	IS 11255 (Part 3): 2008; RA 2018	50
Barometric Pressure	mmHg	IS 11255 (Part 3): 2008; RA 2018	748
Velocity of Flue Gas	m/sec	IS 11255 (Part 3): 2008; RA 2018	6.65
Quantity of Gas Flow	Nm ³ /hr	IS 11255 (Part 3): 2008; RA 2018	13434



****End of Report****


Authorised Signatory
 Dr. Deependra Kumar Sinha
 Ph. D. Environmental Engg
 ELEG Pvt. Ltd. Technical Manager

The Document stated in Test Report, is issued by the Laboratory under General Terms and Conditions, only on Company letter head in pre-approved format. The results shown in the Test Report refer or relates only to the job/order done by the Laboratory only. The information stated on the Test Report reflects the findings done by the Laboratory at the time of involvement only and within the limits of client's instructions. The Laboratory is responsible for all the information or data provided on the report, except the information which is provided by the client. The Report cannot be reproduced except in full and any part of the report is not taken out of context, without prior written approval of the Laboratory. The Report in full or in part shall not be published, advertise, used for any legal actions unless prior permission has been received from the Management of the Laboratory. Attention is drawn to the limitation of liability, compensation and jurisdiction issues. Any unauthorized alteration & falsification of the content or appearance of the Test Report is unlawful and offenders may be prosecuted to the fullest extent of the law. All the samples are retained for 30days from the Date of release/issue of the Test Report. The samples from Regulatory bodies are to be retained as specified. Any type of Observation or Complaints regarding the Reports shall be done within 15days from the Date of Test Report released/issued. After the time period stated below, no complaint will be accepted. The entire Test schedule mentioned in Test Report is in 24hours format. Abbreviation used: N/A (Not Applicable), NDL (Below Detection Limit), LDI (Lower Detection Limit).



ENVIRONMENTAL LABORATORIES &

PLOT NO-30, MANAROVAR ENCLAVE, TUPUDANA
HATIA, RANCHI-834003 (JHARKHAND)
GST NO - 20AAEECB7120124

ENGINEERING SERVICES PVT. LTD.

Email: info@elespl.co.in, eles.ranchi@gmail.com
Phone no.: 0651-2290103
Website: www.elespl.co.in



TEST REPORT

Test Report No. : ELES/RNC/2023/3473	Report Release Date : 13.09.2023
ULR No. : TC883923000002238F	

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: Jamshedpur Chlorochem Pvt. Ltd.	Sample Ref. No.	: ELES/RNC/2023/DW/3141
Address	: Plot No.- NS-88, VI th Phase Adityapur Industrial Area, Dist- Saraikela Khariawan.	Sampling Date	: 03.09.2023
Plant Status	: Operational	Sample Received Date	: 05.09.2023
Period of Analysis	: 05.09.2023 to 13.09.2023	Type of Sample	: Drinking Water
		Source/Location of Sample	: Supply Water, Near Office
		Sampling Procedure	: ELES/DOC/SMP/01
		Sample Collected By	: ELES Pvt. Ltd
		Sample Condition	: Sealed & Preserved

NABL Accredited

Discipline: Chemical		Group: Water		Regulatory Limit as per IS 10500:2012	
Parameter	Unit	Test Protocol	Result	Acceptable Limit	Permissible Limit
pH (at 25.3°C)	-	APHA 23 rd Ed.2017, 4500-H ⁺ -B	7.15	6.5-8.5	No relaxation
Conductivity (at 25.3°C)	µS/cm	APHA 23 rd Ed.2017, 2510-B	686	--	--
Turbidity	NTU	APHA 23 rd Ed.2017, 2130 B	0.96	1.0	5.0
Total Dissolved Solids (TDS)	mg/L	APHA 23 rd Ed.2017; 2540B, C&D	480	500	2000
Total Suspended Solids (TSS)	mg/L	APHA 23 rd Ed.2017, 2540B, C&D	12.4	--	--
Total Alkalinity (as CaCO ₃)	mg/L	APHA 23 rd Ed.2017, 2320 B	65.6	200	600
Total Hardness (as CaCO ₃)	mg/L	APHA 23 rd Ed.2017, 2340 C	192	200	600
Chloride (as Cl)	mg/L	APHA 23 rd Ed.2017, 4500 Cl-B	123	250	1000
Sulphate (as SO ₄)	mg/L	APHA 23 rd Ed.2017,4500 SO ₄ ²⁻ , E	96.1	200	400
Discipline: Chemical		Group: Residues in Water			
Iron (as Fe)	mg/L	APHA 23 rd Ed.2017, 3111B & 3500 Fe-B	0.322	1.0	1.0

Remarks: 1. pH done at Lab



****End of Report****

Authorized Signatory
Dr. Deependra Kumar Sarma
Dr. D. Environmental Engg
ELES Pvt. Ltd. Technical Manager

Page 1 of 1

The Document stated as Test Report, is issued by the Laboratory under General Terms and Conditions, only via Company letter head in pre-approved format. The results shown in Our Test Report refer or relate only to the job/analysis done by the Laboratory only. The information stated on the Test Report reflects the findings done by the Laboratory at the time of involvement only and within the limits of client's instructions. The Laboratory is responsible for all the information or data provided on the report, except the information which is provided by the client. The Report cannot be re-used except in full and any part of the report is not taken out of context, without prior written approval of the Laboratory. The Report in full or in part shall not be published, advertised, used for any legal actions unless prior permission has been secured from the Management of the Laboratory. Attention is drawn to the limitation of liability, compensation and jurisdiction issues. Any unauthorized alteration & falsification of the content or appearance of the Test Report is unlawful and offenders may be prosecuted to the fullest extent of the law. All the samples are retained for 30 days from the Date of release/issue of the Test Report. The samples from Regulatory bodies are to be retained as specified. Any type of Observations or Complaints regarding the Reports shall be done within 15 days from the Date of Test Report release/issue. After the time period stated herein, no complaints will be accepted. The entire Time schedule mentioned in Test Report is as 24 hours format. Abbreviation used: N/A (Not Applicable); BD, (Below Detection Limit); LUL (Lower Detection Limit).

ANNEXURE - 7

②

RAJA TRADERS

GST NUMBER: 20BLDPS747BC1ZT

PROPRIETOR: DR. AMIT SENHA

UDYAM REGISTRATION NUMBER (MSME)- UDYAM-JH-15-0201155

INVOICE

Invoice To : M/s Jamshedpur Chlorochem Pvt. Ltd. Address-NS-88, Vllth Phase, Adityapur Industrial Area, Ganbaria-832168 GSTIN-20AABCJ2158A1ZF	Invoice Date	30.09.2023
	Test Date	10.09.2023
Sl. No.	Description	Amount
1.	Occupational Health Checkup: No of Person:60 Test Conducted: <ul style="list-style-type: none">• Hemoglobin• Blood Sugar• Blood Pressure• Height, Weight• ECG• PFT• Eye Checkup	11250.00
Grand Total		11250.00
Amount In Word: Eleven Thousand Two Hundred & Fifty Only		
Receiver Sign & Stamp	Authorized Signatory	

[Handwritten signature]

ADD- KHATA NO.- 18, P.NO.- 101 MOJA- BALKUDRA, THANA NO.20, BASAL, BALKUDRA, RAMGARH,
JHARKHAND 830143. MOB- 9779003140, 9201840033 FAX-0651-2222222/india2001@gmail.com

✓

ANNEXURE - 8

Jamshedpur Chlorochem Pvt. Ltd.

NS-88, Vllth Phase

Adityapur Industrial Area

Gamharia-832108

JHARKHAND (JH)

CIN - U24220JH1999PTC008858

Consumables PPE (Safety Mat. for Labor)

Ledger Account

1-Apr-23 to 30-Sep-23

Page 1

Date	Particulars	Vch Type	Vch No.	Debit	Credit
7-Apr-23	To PK Traders	Journal	24	13,304.00	
9-May-23	To PK Traders	Journal	229	17,120.00	
7-Jun-23	To PK Traders	Journal	400	12,000.00	
23-Jun-23	To PK Traders	Journal	496	12,000.00	
4-Jul-23	To PK Traders	Journal	567	24,000.00	
15-Jul-23	To PK Traders	Journal	675	14,016.00	
4-Aug-23	To PK Traders	Journal	816	7,560.00	
11-Aug-23	To PK Traders	Journal	858	14,200.00	
30-Aug-23	To PK Traders	Journal	988	14,000.00	
11-Sep-23	To PK Traders	Journal	1073	14,000.00	
13-Sep-23	To PK Traders	Journal	1095	16,000.00	
28-Sep-23	To PK Traders	Journal	1190	2,520.00	
				1,60,720.00	
	By Closing Balance				1,60,720.00
				1,60,720.00	1,60,720.00

Jamshedpur Chlorochem Pvt. Ltd.

NS-88, Vith Phase

Adityapur Industrial Area

Gamharia-832108

JHARKHAND (JH)

CIN - U24220JH1999PTC008858

PPE (Cash Pur.)

Ledger Account

1-Apr-23 to 30-Sep-23

Page 1

Date	Particulars	Vch Type	Vch No.	Debit	Credit
6-May-23	To Cash	Payment	560/23-24	3,294.00	
21-Aug-23	To Cash	Payment	2382/23-24	4,004.00	
				<u>7,298.00</u>	
	By	Closing Balance			<u>7,298.00</u>
				<u>7,298.00</u>	<u>7,298.00</u>

Jamshedpur Chlorochem Pvt. Ltd.

NS-88, Vllh Phase
Adityapur Industrial Area
Gamharia-832108
JHARKHAND (JH)

CIN - U24220JH1999PTC008858

CSR Exps. (MoEF)

Ledger Account

1-Apr-23 to 17-Jan-24

Page 1

Date	Particulars	Vch Type	Vch No.	Debit	Credit
17-May-23	To BCB CC 0019000000207 Nain Branch	Payment	705/23-24	75,000.00	
28-Jun-23	To S.A. Enterprises (Prop. Sarfaraz Ahmad)	Journal	506	2,60,000.00	
				<u>3,35,000.00</u>	
By	Closing Balance				<u>3,35,000.00</u>
				3,35,000.00	3,35,000.00



Adityapur Small Industries Association

Regn. No. 98/2009-10 (Under Society Registration Act 21 of 1860)
M-5 (P) Adityapur-Kandra Road, Adityapur Industrial Area, Jamshedpur - 832109
E-mail: deargmsaia@gmail.com Visit us at - www.helloasia.co.in

ASIA/2021 23/P/088

17.05.2023

President

Santosh Khetan

9334623611

skgania@gmail.com



Vice President

Deepak Dolkani

K. Muralidharan

Santokh Singh

Sudhir Kumar Singh



General Secretary

Dashrath Upadhyay

9939177759



Secretary

Ashok Gupta

Dibyanshu Sinha

Mandeep Singh

Tapas Sahu



Treasurer

Ratan Lal Agarwal

To,

M/s Jamshedpur Chlorochem Pvt. Ltd.

NS-88, 6th Phase,

Adityapur Industrial Area,

Gomharia-832108

Dear Sir,

Kind Attn: Mr. Manoj Kumar Gutgutia, Managing Director

Sub: Blood donation camp held on 29th April 2023

As part of our CSR responsibilities, we ASIA family is regularly organising MEGA Blood Donation Camps in our premises. Jamshedpur Blood Bank provides coupons for all the blood units donated in this camp. These blood coupons are being given to needy workers of our member industries and nearby villagers. This year also, Blood Donation Camp was organised on 29th April 2023.

We are obliged for your support and participation in Blood Donation Camp which was a huge success. We appreciate that your manpower has donated blood and monetary contribution of Rs. 75,000/- (Seventy-Five Thousand Only) by your organisation M/s. Jamshedpur Chlorochem Pvt. Ltd. boosted our motivation for holding such camp on regular basis.

We once again express our sincere gratitude for all your support towards human care and for your personal presence during Mega Blood Donation Camp.

Yours faithfully

Santosh Khetan
(President)



Adityapur Small Industries Association

(Registration No. 89/2009-10 Under Society Registration Act 21 Of 1960)

Adityapur Kendra Main Road, Adityapur, Dist- Seraikela Kharsawan

Office : 0667-2202222

Email ID : helikasia@rediffmail.com

No. 1152

Date: 15/05/23

M/s Janshogan Chlorochem Pvt *Received with thanks from*

Sumit Jain Ibansabad city

In Cash / by Cheque No. 050330 & 29/04/03 on BOB

being Membership Subscription for the year of

Special Contribution for Blood Donation

Gen. Secretary

Treasurer

Collector

Receipt is issued Subject to realisation of Cheque

10th August, 2023

To,

**Jamshedpur Chlorochem Pvt Ltd,
Adityapur, Jamshedpur.**

Dear Sir,

On behalf of Yi Jamshedpur, we would like to thank you for your sponsorship towards Pond Excavation efforts that Yi Jamshedpur has taken up. Thanks to your contribution, villagers of Udaipur in Jharkhand will have access to clean water. The pond excavated is of size **100 ft x 100 ft x 10 ft with water capacity of approx 2200 cubic metre.**

The sarpanch of the village has asked us to thank you on behalf of a lot of female members of their village community who they believe will be the most benefitted because of this pond!

Your contribution through this pond will benefit 100 such village homes and their farming lands.

Thank you once again for your contribution in bring joy to these families. We couldn't have done this without you!



Pratik

Pratik Agarwal
Chair, Yi Jamshedpur Chapter

Saurabh

Saurabh Agarwal
Chair, Rural Initiatives, Yi Jamshedpur

Confederation of Indian Industry

Confederation of Indian Industry (CII) Jamshedpur Zonal Office Room No 7 & 8 Centre for Excellence, Jubilee Road, Jamshedpur - 831001, India
T: 91-657 2225213 / 2232637
E: yj.jamshedpur@ci.in
W: www.youngindians.net



JAMSHEDPUR CHLOROCEM PVT. LTD.

MANUFACTURER OF HYDRATED LIME

Office & Works : Plot No.NS-88, Vith Phase, Adityapur Ind. Area, Gamharia - 832108, Dist. - Seraikela-Kharsawan, Jharkhand
Cell - 9431182371, 9031992253, E-mail : jschlorochem@gmail.com
CIN : U24220JH1999PTC008858


Date: 25.04.2018

ENVIRONMENT POLICY

JAMSHEDPUR CHLOROCEM PRIVATE LIMITED (JCPL) is engaged in production of Low Carbon Ferro Alloys and Noble Ferro Alloys products are committed towards clean and sustainable environment. The mission of JCPL is to produce Low Carbon Ferro Alloys and Noble Ferro Alloys in an environment friendly manner and is striving to;

- Integrate sound environmental management practices in all the activities.
- Conduct the operations in environmentally responsible manner to minimize pollution and its' impact on environment.
- Comply with applicable legal and other requirements related to environmental aspects of the operations and strive to go beyond. The environmental management cell will be headed by EHS Manager, a well qualified and experienced environment engineer.
- JCPL shall ensure that deviations from this policy and cases of violations/non-compliances of Environment or Forest Laws, if any, shall be reported to the Board of Directors through EHS Manager and shall identify designate responsible person for ensuring compliance with the Environmental Laws and Regulations.
- Conserve energy, and other natural resources, minimize waste generation and promote recovery, recycle and reuse.
- Increase greenery in and around the plant.
- Ensure continual improvement in environmental performance by setting & reviewing objectives & targets.

JAMSHEDPUR CHLOROCEM PVT. LTD.


Director



JAMSHEDPUR CHLOROCEM PVT. LTD.

MANUFACTURER OF HYDRATED LIME

Office & Works : Plot No.NS-88, Vith Phase, Adityapur Ind. Area, Gamharia - 832108, Dist - Seraikela-Kharsawan, Jharkhand

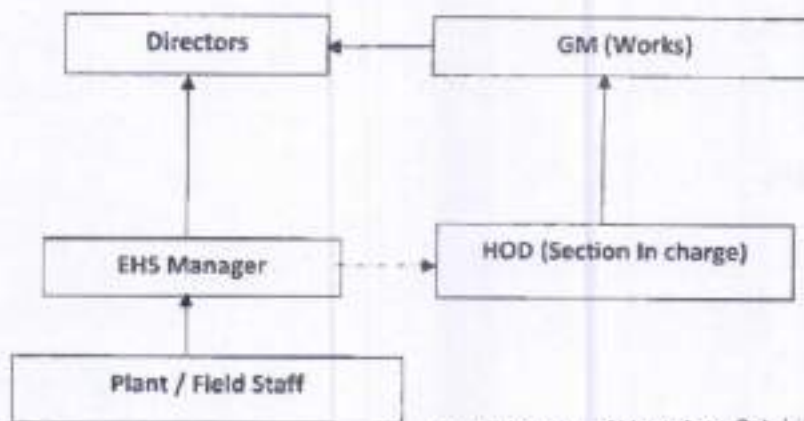
Cell : 9431182371, 9031992253. E-mail : jsrchlorochem@gmail.com

CIN : U24220JH1999PTC008858

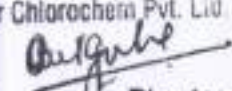
- Environmental awareness amongst employees working for and on behalf of JCPL and the general populace around the plant.

Hierarchical systems - environmental issues and for ensuring compliance

Company EHS cell is responsible for the compliance of the environmental conditions. The Environmental Manager will functionally report to HOD, however for environmental matters he will directly report to the Director.



For Jamshedpur Chlorochem Pvt. Ltd.


For and on behalf of Director.

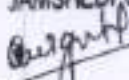
JAMSHEDPUR CHLOROCEM PRIVATE LIMITED

MR. MANOJ GUTGUTIA

(Director)

DIN: 02823680

JAMSHEDPUR CHLOROCEM PVT. LTD.


Director



JAMSHEDPUR CHLOROCEM PVT. LTD.

NS-88, VITH PHASE, ADITYAPUR INDUSTRIAL AREA
GAMHARIA, SARAIKELA-KHARSAWAN-832108

ENVIRONMENT POLICY

At the Jamshedpur Chlorochem Pvt. Ltd. We are committed to the implementation of proactive measures to help protect and sustain the environment for future generations.

We recognize the impact of our operations on the environment and aim to minimize any detrimental effects that may occur. By working together, we can contribute to making a cleaner and safer environment and ensure that environmental issues remain a focal point and receive proper attention.

In delivering our commitment we will:

- Comply with relevant environmental legislation and take a proactive approach to future requirements and obligations,
- Seek to conserve natural resources through the responsible use of energy, water and materials but also by maintaining the quality of service expected by our customers,
- Monitor performance and aim for continued improvement by reducing, re-using and recycling in areas such as energy consumption, reduction of waste materials and water consumption,
- Work with suppliers who have compatible policies for managing their impact on the environment.
- Be aware of our environmental impact and will always strive to have life cycle approach.

Date: 20.11.2019

Manoj Kumar Gutgutia
Managing Director

JAMSHEDPUR CHLOROCEM PVT. LTD.


Director

ANNEXURE-10

**EMP EXPENDITURE
PERIOD : 01.04.2023 TO 30.09.2023**

REPAIR & MAINTENANCE FOR POLLUTION CONTROL EQUIPMENT:-

	<u>Particulars</u>	<u>Amount (Rs.)</u>	<u>Amount (Rs.)</u>
A)	Salary for 6 month of 4 Mainetenance Staff	6,09,244.00	
B)	Expenses incurred on Repair & Maint. period 01.04.2023 to 30.09.2023	<u>40,40,675.00</u>	46,49,919.00

PLANTATION EXPENSES FOR POLLUTION CONTROL MEASURES:-

A)	Salary for Gardener 6 months	87,000.00	
B)	Tree Plantation Expenses	<u>4,14,850.00</u>	5,01,850.00
		Total	<u>51,51,769.00</u>

ANNEXURE-10

EMP EXPENDITURE
PERIOD : 01.10.2019 TO 30.09.2023

REPAIR & MAINTENANCE FOR POLLUTION CONTROL EQUIPMENT:-

	<u>Particulars</u>	<u>Amount (Rs.)</u>	<u>Amount (Rs.)</u>
A)	Salary for Mainetenance Staff form 01.10.2019 to 30.09.2023	34,46,355.00	
B)	Expenses incured on Repair & Maint. period 01.10.2019 to 30.09.2023	<u>96,31,325.00</u>	1,30,77,680.00

PLANTATION EXPENSES FOR POLLUTION CONTROL MEASURES:-

A)	Salary for Gardener from 01.10.2019 to 30.09.2023	5,49,000.00	
B)	Tree Plantation Expenses from 01.10.2019 to 30.09.2023	<u>7,51,391.00</u>	13,00,391.00
		Total	<u>1,43,78,071.00</u>

ANNEXURE -11



**JAMSHEDPUR CHLOROCEM
PRIVATE LIMITED**

Manufacturers of Low Carbon Ferric Alloys
I.C. Ferro Manganese & Ferro Chrome Powder
CIN: U24220JH1999PTC008858

03 July, 2023

To,
The Regional Officer,
Jharkhand State Pollution Control Board,
Jharkhand, Jamshedpur, Jharkhand-831013
Jharkhand, Jamshedpur,

Dear Sir,

Ref: Regarding Compliance of Environmental Clearance Condition.

Ref: 1) Environmental Clearance from Ministry of Environment & Forest, New Delhi vide F.No. IA-J-11011/459/2017-IA-II(i) Dated 24-12-2018.

2) CTO No. JSPCB/HO/RNC/CTO-8911700/2020/1735 DTD. 18.10.2020 and Valid up to 30.09.2025

We are pleased to enclosed here with the following:

- a) Environment Statement for the year ending 31.03.2023
- b) Ambient Air, Noise & Water Test Report.

Kindly acknowledge the receipt & oblige.

Thanking You,

Your Faithfully,
For Jamshedpur Chlorochem Pvt. Ltd.

(Manoj Kumar Gutgutia)
Director

Encl: As Above



FORM-V

ENVIRONMENTAL STATEMENT REPORT FOR THE YEAR ENDING 31st MARCH 2023

PART-A

- (i) Name and address of the occupier of the industry / operation or process : **Jamshedpur Chlorochem Pvt. Ltd.
NS-88, Vith Phase, Adityapur Industrial Area, P.O - Gambaria- 832108**
- Industry Category : **SSI Unit**
- Primary (SIC code) : **-**
- Secondary (SIC Code) : **Ferro Alloy**
- (ii) Production Category (Units)
- a) Ferro Chrome / Ferro Manganese : **3600 TPA**
- b) Ferro Molybdenum : **1200 TPA**
- c) Ferro Vanadium : **1200 TPA**
- (iii) Year of establishment : **10.01.2020**
- (iv) Date of last Environmental Statement submitted : **22.12.2022**


PART-B

WATER AND RAW MATERIAL CONSUMPTION

(A) Water Consumption	0.800 KLD
Process	0.000 KLD
Cooling	0.000 KLD
Domestic and other	0.800 KLD

Name of the product	Process water consumption per unit of product output.	
	During the current financial year 2021-22	During the current financial year 2022-23
FERRO CHROME / FERRO MANGANESE	Nil (Production-2609.624 MT)	Nil (Production-3568.239 MT)
FERRO MOLYBDENUM	Nil	Nil
FERRO VANADIUM	Nil	Nil

JAMSHEDPUR CHLOROCEM PVT. LTD.


DIRECTOR

(B) Raw Material Consumption:

Name of Raw Material	Consumption of raw material per unit of output:	
	During the current financial year 2021-22 Total Production (Low Carbon Ferro Chrome) : 2609.624 Tons	During the current financial year 2022-23 Total Production (Low Carbon Ferro Chrome) : 3568.239 Tons
CHROME ORE	2.25 T/T	2.29 T/T
ALUMINIUM POWDER	0.33 T/T	0.51 T/T
ALUMINIUM SCRAP	0.52 T/T	0.26 T/T
M.S SCRAP	0.10 T/T	0.06 T/T

PART- C

POLLUTION DISCHARGED TO ENVIRONMENT / UNIT OF OUTPUT (PARAMETER AS SPECIFIED IN THE CONSENT ISSUED)

Pollutants	Quantity of pollutants Discharged (mass/day)	Concentrations of Pollutants Discharged (mass/volume)	Percentage of variation From prescribed Standards with reasons
(A) Water	No discharge of effluent.	NA	NA
(B) Air	Within norms as per the monitoring reports attached.		NA

PART- D**HAZARDOUS WASTES**

(AS SPECIFIED UNDER HAZARDOUS WASTES / MANAGEMENT AND HANDLING RULES, 1989)

Hazardous Waste	Total Quantity (kg/years)
	During the current financial year 2022-23
(a) From process	Nil
(b) From Pollution Control	20.730 MT

JANSHEDPUR CHLORO CHEM PVT. LTD.

[Signature]
DIRECTIONS

PART- E
SOLID WASTES

Solid waste	Total Quality (t/year)	
	During the Current Financial year 2021-22	During the Current Financial year 2022-23
a) From process Slag (FN+LC)	5371.980 M.T.	7434.170 M.T.
(b) From pollution Control facility	24300 MT APCD Dust given to Adityapur Waste Management Pvt. Ltd.	20,730 MT APCD Dust given to Adityapur Waste Management Pvt. Ltd.
Quantities recycled Or reutilized	1291.610 M.T.	1635.720 M.T.
Sold Disposed	4018.190 M.T.	5779.130 M.T.
	Nil	Nil

PART- F

Characteristics of wastes and Indicative Disposal practice adopted

The slag generated from Low Carbon Ferro Chrome is used in lining of reactor vessel for production of Low Carbon Ferro Chrome & also sold to various customers. The APCD Dust generated is given to Adityapur Waste Management Pvt. Ltd., Dugni, Seraikela.

PART- G

Impact of pollution control measures on conservation of natural resources and consequently on the cost of production.

Fume extraction system with cyclone and bag filter has been installed and slag is stored / reused properly. PPE provided to worker, thus work zone environment is maintained, resulting in improved efficiency.

PART- H

Additional investment proposal for environment protection including abatement of pollution

Plantation, RWH, Regular maintenance of APCD & Water sprinkling is being continued for abatement of Pollution. Expenditure for implementation of EMP From 01.10.2022 to 31.03.2023 is Rs. 15,60,821.00 & 01.10.2019 to 31.03.2023 is Rs. 92,26,302.00.

JAMSHEDPUR CHLOROCEM PVT. L. D.


DIRECTOR

ANNEXURE-10**EMP EXPENDITURE****PERIOD: 01.10.2022 TO 31.03.2023****REPAIR & MAINTENANCE FOR POLLUTION CONTROL EQUIPMENT: -**

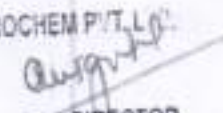
	<u>Particulars</u>	<u>Amount (Rs.)</u>	<u>Amount (Rs.)</u>
A)	Salary for 6 months of 4 Maintenance Staff	5,40,035.00	
B)	Expenses incurred on Repair & Maint. period 01.10.2022 to 31.03.2023	9,22,965.00	14,63,000.00
PLANTATION EXPENSES FOR POLLUTION CONTROL MEASURES: -			
A)	Salary for Gardener 6 months	81,000.00	
B)	Tree Plantation Expenses	16,821.00	97,821.00
	Total		15,60,821.00

PART- I

Any other particulars for improving in respect of environmental protection and abatement of pollution.

As per direction of the Pollution Control Board & Environment Clearance.

JAMSHEDPUR CHLORO-CHEM PVT. LTD.


DIRECTOR
Signature of Applicant

Jamshedpur Chlorochem Pvt. Ltd.

NS-88, Vth Phase
Adityapur Industrial Area
Ganharis-832108
JHARKHAND (JH)
CIN - U24220JH1999PTC008858

Raw Material

Stock Group Summary
1-Apr-22 to 31-Mar-23

Particulars	Opening	Inwards	Outwards	Page 1 Closing
	Balance Quantity	Quantity	Quantity	Balance Quantity
Aluminium Powder	46,470 MT	1,923,471 MT	1,841,891 MT	128,250 MT
Aluminium Telic	14,150 MT	888,802 MT	965,682 MT	47,270 MT
Chrome Concentrate	185,190 MT	8,588,965 MT	8,184,885 MT	589,270 MT
Mill Scale	6,940 MT	195,170 MT	199,710 MT	6,400 MT
Grand Total	255,750 MT	11,897,408 MT	11,192,968 MT	771,190 MT

JAMSHEDPUR CHLOROCEM PVT. LTD.

Signature
DIRECTOR

Jamshedpur Chlorochem Pvt. Ltd.

NS-88, Vith Phase
Adityapur Industrial Area
Ganbaria-832108
JHARKHAND (India)
CIN - U24220JH1999PTC006858

Finished Goods

Stock Group Summary
1-Apr-22 to 31-Mar-23

Particulars	Opening	Inwards	Outwards	Page 1
	Balance			Closing
	Quantity	Quantity	Quantity	Quantity
Ferro Chrome Extra Low Carbon	48,210 MT	703,630 MT	743,060 MT	8,760 MT
Ferro Chrome Extra Low Carbon (70%)		19,050 MT	19,000 MT	0,000 MT
Ferro Chrome Low Carbon (50%)	5,000 MT	166,767 MT	173,707 MT	
Ferro Chrome Low Carbon (70%)	88,060 MT	2,281,802 MT	2,258,410 MT	115,430 MT
Low Carbon Ferro Chrome		394,000 MT	394,000 MT	
Grand Total	140,160 MT	3,568,239 MT	3,585,259 MT	123,140 MT

JAMSHEDPUR CHLOROCEM P. LTD.
Abhishek
DIRECTOR

Jamshedpur Chlorochem Pvt. Ltd.

NS-88, VIII Phase
 Adityapur Industrial Area
 Jamshedpur-832105
 JHARKHAND (JH)
 CIN - U24220JH1999PTC008828

Consumables

Stock Group Summary
 1-Apr-22 to 31-Mar-23

Particulars				Page 1
	Opening Balance Quantity	Inwards Quantity	Outwards Quantity	Closing Balance Quantity
Slag	90,390 MT	7,434,170 MT	7,414,850 MT	109,710 MT
Grand Total	90,390 MT	7,434,170 MT	7,414,850 MT	109,710 MT

- 1) Opening Balance → 90,390 MT.
 Jamshedpur Slag generated during 2022-23 → 7,434,170 MT.
 → 7,424,560 MT.
- a) Jamshedpur Slag (initial) → 1,07,710 MT.
 Vessel being during 2022-23
- b) Jamshedpur Slag sold → 1,07,710 MT.
 during 2022-23
- c) Closing Balance → 109,710 MT.
 → 7,424,560 MT.

JAMSHEDPUR CHLORO-CHEM PVT. LTD.

Awadh
 DIRECTOR



ENVIRONMENTAL LABORATORIES &

PLOT NO-30, MANSARVAR ENCLAVE, TUPUDAMA
MATA, RANCHI-834002 (JHARKHAND)
GST NO: 20AEE07120124

ENGINEERING SERVICES PVT. LTD.

Email: info@elespl.co.in, eles.ranchi@gmail.com
Phone no: 0661-2290103
Website: www.elespl.co.in



CM: 0748802087P011111

TEST REPORT

Test Report No.	: ELES/RNC/2023/0651	Report Release Date	: 15.03.2023
ULR No.	: TC883923000000245F		
CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: Jamshedpur Chlorochem Pvt. Ltd.	Sample Ref. No.	: ELES/RNC/2023/AA/0341
Address	: Plot No - NS-88, VI th Phase Adityapur Industrial Area, Dist- Saraikela Khuntiwar.	Location	: North East Corner of the Plant
Plant Status	: Operational	Sampling Date	: 11.03.2023 to 12.03.2023
Period of Analysis	: 13.03.2023 to 15.03.2023	Sample Received Date	: 13.03.2023
		Type of Sample	: Ambient Air
		Sampling Procedure	: ELES/DOC/SMP/02
		Sample Drawn By	: ELES Pvt. Ltd.
		Sample Condition	: Sealed & Preserved

METEOROLOGICAL INFORMATION

1	Average Temperature (°C)	: 23	2	Barometric Pressure (mmHg)	: 749
3	Relative Humidity (%)	: 59	4	Weather Condition	: Clear
5	Longitude	: 86°07'13.64"E	6	Latitude	: 22°47'39.76"N

NABL Accredited

Discipline : Chemical		Group : Atmospheric Pollution		
Parameter	Unit	Test Protocol	Result	Regulatory Limit
Particulate Matter (PM10)	µg/m ³	IS 5182 (Part-23): 2006, RA2022	81	100 (24hrs)
Particulate Matter (PM2.5)	µg/m ³	IS 5182 (Part-24): 2019	45	60 (24hrs)
Sulphur Di-Oxide (SO ₂)	µg/m ³	IS 5182 (Part-2): 2001, RA2022	14.8	80 (24hrs)
Nitrogen Di-Oxide (NO ₂)	µg/m ³	IS 5182 (Part-6): 2006, RA2022	27.1	80 (24hrs)
Ozone (O ₃)	µg/m ³	IS 5182 (Part-9): 1974, RA2019	<20.0	100 (0hrs)
Ammonia (NH ₃)	µg/m ³	IS 5182 (Part-25): 2018	<10.0	400 (24hrs)
Carbon Monoxide (CO)	mg/m ³	IS 5182 (Part-10): 1999, RA2019	1.05	2 (0hrs)
Lead (Pb)	µg/m ³	IS 5182 (Part-22): 2004, RA2019	0.011	1 (24hrs)
Arsenic (As)	ng/m ³	IS 5182 (Part-26): 2020	<2.0	76 (Annual)
Nickel (Ni)	ng/m ³	ELES-AIR-SCIP-01	<6.0	29 (Annual)

Rekha Saxena
Authorized Signatory
Rekha Saxena

B. Sc, M. Sc. (Botany)
Director
ELES Pvt. Ltd.

****End of Report****

Page 1 of 1

Dr. Deependra Kumar Sinha
Authorized Signatory

Dr. Deependra Kumar Sinha
Ph. D. Environmental Engg.
ELES Pvt. Ltd. Technical Manager

The documents listed in this Test Report are the property of Environmental Laboratories & Engineering Services Pvt. Ltd. and shall remain the property of the Laboratory until the documents listed in this Test Report are returned to the Laboratory, at the time of completion of work and within the time of validity of the certificate. The Laboratory shall not be held responsible for the information or data provided in the report except the statements which are prepared by the client. The Report cannot be reproduced in any form and any part of the report may be used only with the written approval of the Laboratory. The client is liable for any data not to be reported in this report and the legal consequences shall rest on the client. The client is responsible for the management of the Laboratory. Accurate information on the conduct of testing, sample collection and preservation is essential. Any sample collection or preservation error is the client's responsibility. The Test Report is confidential and of limited use for promotional or publicity purposes of the client. All the specimens are returned to the client within 7 days from the date of Test Report release period. After the time period stated above, the specimens will be disposed. The client shall be responsible for the Test Report and its contents. Address: Plot No. 30, Mansarvar Enclave, Tupudama, Mata, Ranchi-834002, Jharkhand. Phone: 0661-2290103. Website: www.elespl.co.in

Protecting Environment will only save the Future

JAMSHEDPUR CHLORO-CHEM PVT. LTD.

Deependra Kumar Sinha
DIRECTOR



ENVIRONMENTAL LABORATORIES &

PLOT NO. 30, MANSARDVARI ENCLAVE, TUPVIDANA
HATIA, RANCHI-834001 (JHARKHAND)
GST NO: 20MACEE231012P

ENGINEERING SERVICES PVT. LTD.
Email: info@elspl.co.in, els.ranchi@gmail.com
Phone no - 0651 2290100
Website - www.elspl.co.in

TEST REPORT

Test Report No. : ELES/RNC/2023/0651 Report Release Date : 15.03.2023

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	Janshedpur Chlorochem Pvt. Ltd.	Sample Ref. No.	ELES/RNC/2023/AA/0341
Address	Plot No - NS-03, VF Phase	Location	North East Corner of the Plant
	Adityapur Industrial Area,	Sampling Date	11.03.2023 to 12.03.2023
	Dist- Sahibganj, Jharkhand	Sample Received Date	13.03.2023
Plant Status	Operational	Type of Sample	Ambient Air
Period of Analysis	13.03.2023 to 15.03.2023	Sampling Procedure	ELES/DOC-SAMPL-02
		Sample Drawn By	ELES Pvt. Ltd.
		Sample Condition	Sealed & Preserved

METEOROLOGICAL INFORMATION

1. Average Temperature (°C)	23	2. Barometric Pressure (mm/Hg)	764
3. Relative Humidity (%)	59	4. Weather Condition	Clear
5. Longitude	85°07'13.64"E	6. Latitude	22°27'28.76"N

Non-Accredited

Parameter	Unit	Test Protocol	Result	Regulatory Limit
Benzene*	µg/m ³	IS 5182 (Part-1) 2018 (I.S.2011)	<1.0	0.5 (Annual)
Benz(a)Pyrene*	µg/m ³	IS 5182 (Part-1) 2018 (I.S.2011)	<1.0	0.1 (Annual)

Remarks: (*) Parameters are sub-contracted to other Lab.

Rekha Saxena
Authorized Signatory
Rekha Saxena
B. Sc. M. Sc. (Botany)
Director
ELES Pvt. Ltd.

****End of Report****

Dr. Deependra Kumar Sinha
Authorized Signatory
Dr. Deependra Kumar Sinha
Ph.D. Environmental Engg.
ELES Pvt. Ltd. Technical Manager

Page 1 of 1

This document (and its Test Report) is issued by the Laboratory under license and conditions set by the Company which shall be printed and signed. The license shall include Test Report rules of compliance with the standards set by the Laboratory. This document is issued under the Test Report policy of the Company. It is the responsibility of the client to provide the correct information and to ensure the correct use of the data. The Laboratory is responsible for all the information and procedures on the report except the information which is provided by the client. The Report cannot be reproduced except in full and any part of the report is not allowed to be copied, stored, printed, or otherwise used without the prior written approval of the Laboratory. The Report is full or sequential and is not to be published, distributed, or otherwise used for any legal action unless prior permission has been received from the Management of the Laboratory. Access is granted to the Laboratory of facilities, equipment and materials used. Any unreasonable alteration or modification of the report or approval of the Test Report is considered and effective may be provided to the extent of the test. All the parties are advised that this is not the Test Report of the Laboratory. The report is for informational purposes only and is not to be used for legal action. The Laboratory is not responsible for any errors or omissions in the report. The report is valid for 15 days from the date of Test Report release. After the test period, the results are available as a report. The report is not to be used for any legal action. The report is not to be used for any legal action. The report is not to be used for any legal action. The report is not to be used for any legal action.

JANSHEDPUR CHLOROCEM PVT. L. D.

Deependra Kumar Sinha
DIRECTOR



ENVIRONMENTAL LABORATORIES &

PLOT NO-02, MANSAROVAR ENCLAVE, TURIDANA
 NATYA, RANCHI-834002 (JHARKHAND)
 GST NO- 20AAE228710229

ENGINEERING SERVICES PVT. LTD.

Email: info@elespl.co.in, eles.ranchi@gmail.com

Phone no: 0661-2290103

Website: www.elespl.co.in

TEST REPORT

Test Report No. : ELES/RNC/2023/0652 **Report Release Date : 15.03.2023**

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	Jamshedpur Chlorochem Pvt. Ltd.	Sample Ref. No.	ELES/RNC/2023/AA/0142
Address	Plot No- NS-08, VI th Phase, Nityasagar Industrial Area, Dist- Satalaha, Khuntiwaon	Location	North West Corner of the Plant
Plant Status	Operational	Sampling Date	11.03.2023 to 12.03.2023
Period of Analysis	13.03.2023 to 15.03.2023	Sample Received Date	13.03.2023
		Type of Sample	Ambient Air
		Sampling Procedure	IS:EN:DOC/SMP/102
		Sample Drawn By	ELES Pvt. Ltd.
		Sample Condition	Sealed & Preserved

METEOROLOGICAL INFORMATION

1	Average Temperature (°C)	23	2	Barometric Pressure (mmHg)	749
3	Relative Humidity (%)	59	4	Weather Condition	Clear
5	Longitude	86° 07' 16.89"E	6	Latitude	22° 47' 51.73"N

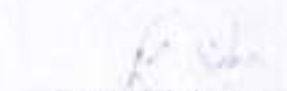
Non-Accredited

Parameter	Unit	Test Protocol	Result	Regulatory Limit
Benzene*	µg/m ³	IS 5182 (Part-11)2006 (RA2017)	<LO	0.5 (Annual)
Benz(a)Pyrene*	µg/m ³	IS 5182 (Part-12)2004 (RA2019)	<LO	0.1 (Annual)

Remarks: (*) Parameters are introduced to other Lab.


Authorized Signatory
Rekha Saxena
 B. Sc. M. Sc. (Botany)
 Director
 ELES Pvt. Ltd.

****End of Report****


Authorized Signatory
Dr. Deependra Kumar Sinha
 Ph. D. Environmental Engrg.
 ELES Pvt. Ltd. Technical Manager

Page 1 of 1

The documents stated in Test Report, as stated in the following order: Sample Receipt, Analysis and Test Results, with all the reports, shall remain in possession of customer. The results given in the Test Report refer to the data only to the extent stated in the certificate. The customer is responsible for the maintenance of data provided in the report except the information which is provided by the customer. The Report cannot be reproduced or used in any part of the report or not part of all systems without the written approval of the Laboratory. The Report is not to be published, advertised, used in any legal action or used in any proceedings without the written approval of the Management of the Laboratory. The Report is given to the customer as the only copy and no other copies shall be made. Any reproduction or alteration of the content or appearance of the Test Report is prohibited and offenders may be prosecuted to the fullest extent of the law. All the samples are collected by customer from the plant or laboratories of the Test Report. The samples from Regulatory Agencies are to be reported as specified. Any type of threat, claim or a violation regarding the Report, may be made within 15 days from the date of Test Report release. After the release period expires, all complaints will be accepted. The office time which is mentioned in Test Report is Indian Standard Time. Address: Plot No-02, Mansarovar Enclave, Natya, Ranchi-834002, Jharkhand, India. Phone: 0661-2290103.

JAMSHEDPUR CHLOROCEM PVT.


DIRECTOR



ENVIRONMENTAL LABORATORIES &

FLOT NO-88, AMANGADIA ENCLAVE, TURIDASA
KATA, RAIPUR-834003 (JHARHANDI)
GST NO. 20AAEE07130124

ENGINEERING SERVICES PVT. LTD.

Email: info@el&es.com, info@el&es@gmail.com

Phone no: 0661 2290101

Website: www.el&es.com



DN: 0766964204877011125

TEST REPORT

Test Report No. : ELES/RNC/2023/0653 Report Release Date : 15.03.2023
 ULR No. : TC8839230000002474

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	Jamshedpur Chlorochem Pvt. Ltd.	Sample Ref. No.	ELES/RNC/2023/AA/0143
Address	Plot No. No-88, VI th Phase Adityapur Industrial Area, Dist. Saraikela Kharsawan	Location	Roof of the Office
Plant Status	Operational	Sampling Date	11.03.2023 to 12.03.2023
Period of Analysis	11.03.2023 to 15.03.2023	Sample Received Date	13.03.2023
		Type of Sample	Ambient Air
		Sampling Procedure	11.15.000, SMP1102
		Sample Taken By	J.ES.P.V.L.Ltd.
		Sample Condition	Normal Preserved

METEOROLOGICAL INFORMATION

1. Average Temperature (°C)	25	2. Barometric Pressure (mmHg)	749
3. Relative Humidity (%)	79	4. Weather Condition	Clear
5. Longitude	84°07'16.98"E	6. Latitude	22°47'09.43"N

NABL Accredited

Discipline : Chemical		Group : Atmospheric Pollution		
Parameter	Unit	Test Protocol	Result	Regulatory Limt
Particulate Matter (PM10)	µg/m ³	IS 5182 (Part-2): 2006, RA2022	71	100 (24hr)
Particulate Matter (PM2.5)	µg/m ³	IS 5182 (Part-2): 2019	39	60 (24hr)
Sulphur Dioxide (SO ₂)	µg/m ³	IS 5182 (Part-2): 2001, RA2022	13.1	80 (24hr)
Nitrogen Dioxide (NO ₂)	µg/m ³	IS 5182 (Part-6): 2006, RA2022	25.5	80 (24hr)
Ozone (O ₃)	µg/m ³	IS 5182 (Part-9): 1976, RA2019	<20.0	100 (8hr)
Ammonia (NH ₃)	µg/m ³	IS 5182 (Part-2): 2019	<10.0	400 (24hr)
Carbon Monoxide (CO)	mg/m ³	IS 5182 (Part-10): 1996, RA2024	<1.0	2 (8hr)
Lead (Pb)	µg/m ³	IS 5182 (Part-22): 2006, RA2019	0.009	1 (24hr)
Arsenic (As)	µg/m ³	IS 5182 (Part-26): 2020	<2.0	06 (Annual)
Nickel (Ni)	µg/m ³	ELES-MIR-NOP-01	96.0	20 (Annual)

Rekha Saxena
 Authorized Signatory
Rekha Saxena

B.Sc. (H. Sc. (Botany))
 Director

ENCL 204/24

Dr. Dheendra Kumar Sinha
 Authorized Signatory

Dr. Dheendra Kumar Sinha
 Ph. D. Environmental Engg.
 ELES Pvt. Ltd. Technical Manager

End of Report

Page 1 of 1

The information stated in this report is the property of Environmental Laboratories & Engineering Services Pvt. Ltd. and is confidential. It is to be used only for the purpose stated in the report and is not to be disseminated or used for any other purpose without the prior written approval of the Laboratory. The Report of Test or Calibration is not to be used for legal or regulatory purposes unless it has been approved by the Management of the Laboratory. Approval is given by the Laboratory of suitable representatives and membership of the National Accreditation Board for Testing and Calibration Laboratories (NABL). The Laboratory is not responsible for the use of the report for any other purpose. The Laboratory is not responsible for the use of the report for any other purpose. The Laboratory is not responsible for the use of the report for any other purpose. The Laboratory is not responsible for the use of the report for any other purpose.

"Creating a Sustainable Future, One Step at a Time"

JAMSHEDPUR CHLORO-CHEM PVT. L.

Dr. Dheendra Kumar Sinha
 DIRECTOR



ENVIRONMENTAL LABORATORIES &

Plot No-35, Mansarovar Enclave, Turidana
Hatisa, Ranchi-834003 (Jharkhand)
GST No: 20AAEE01130173

ENGINEERING SERVICES PVT. LTD.

Email: info@elespl.co.in, eles.ranchi@gmail.com

Phone no: 0651-2290103

Website: www.elespl.co.in

TEST REPORT

Test Report No. : ELES/RNC/2023/0653 Report Release Date : 15.03.2023

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	Janshedpur Chlorochem Pvt. Ltd.	Sample Ref. No.	ELES/RNC/2023/AA/0143
Address	Plot No- NS-35, VI, Phase Adityapur Industrial Area, Dist- Saraikela Kharsawan	Location	Roof of the Office
Plant Status	Operational	Sampling Date	11.03.2023 to 12.03.2023
Period of Analysis	13.03.2023 to 15.03.2023	Sample Received Date	13.03.2023
		Type of Sample	Ambient Air
		Sampling Procedure	11.1 STD/1 SAMPLE
		Sample Drawn By	ELES Pvt. Ltd.
		Sample Condition	Sealed & Preserved

METEOROLOGICAL INFORMATION

1. Average Temperature (°C)	23	2. Barometric Pressure (mmHg)	729
3. Relative Humidity (%)	76	4. Weather Condition	Clear
5. Longitude	85°47' E (NPL)	6. Latitude	22°47' N (NPL)

Non-Accredited

Parameter	Unit	Test Protocol	Result	Regulatory Limit
Benzene*	ug/m ³	IS 5182 (Part-1) ISIRI:RA2017	<LO	60 (Annual)
Benzene (d)ylene*	ug/m ³	IS 5182 (Part-1) ISIRI:RA2017	<LO	121 (Annual)

Remarks: (*)-Parameters are unauthorised to other Lab.

Rekhna Saxena
Authorized Signatory
Rekhna Saxena
B. Sc. M. Sc. (Botany)
Director
ELES Pvt. Ltd.

****End of Report****

Dr. Dipendra Kumar Sinha
Authorized Signatory
Dr. Dipendra Kumar Sinha
Ph. D. Environmental Engg
ELES Pvt. Ltd. Technical Manager

Page 1 of 1

The Document stated as Test Report, is issued by the Laboratory concerned. Terms and Conditions, valid at the time of issuance of the Report, apply to the Report. The results shown in the Test Report shall be valid only in the laboratory stated in the Report. Sample shall not be collected unless the Sample is collected by the Laboratory at the time of environmental test and under the control of the Laboratory. The Laboratory is responsible for all the environmental test procedures in the report and the information which is provided by the client. The Report cannot be regarded as a certificate of compliance with any legal or regulatory requirement without the approval of the Laboratory. The Report is valid only if it is published, submitted, signed by the legal person, who is authorized to issue reports from the Management of the Laboratory. Attention is drawn to the inclusion of validity, competence and jurisdiction issues. No responsibility is accepted for the content or appearance of the Test Report as submitted and published, nor is provided by the Laboratory on the basis of the sample or results for which the Laboratory is responsible. The Test Report, that originates from Regulatory Bodies, may be subject to specific rules, rules of Other persons's responsibility regarding the Report, which may vary within a State from the State of Jharkhand, India. After the time period stated before the document, the Laboratory is not liable for any modification in Test Report as it changes over time. Address: Plot No-35, Mansarovar Enclave, Turidana, Hatisa, Saraikela Kharsawan, Dist- Saraikela Kharsawan, Jharkhand-834003.

JANSHEDPUR CHLOROCEM PVT. LTD.

Dipendra Kumar Sinha
DIRECTOR



ENVIRONMENTAL LABORATORIES &

PLOT NO-30, MANSAROVAR ENCLAVE, TUPLODANA
MATIA, RANCHI-834003 (JHARKHAND)
GST NO - 20AAEE01130124

ENGINEERING SERVICES PVT. LTD.
Email: info@elespl.co.in, eles_ranchi@gmail.com
Phone no: 0651-2290103
Website: www.elespl.co.in



CIN: U74999JH2014PTC021125

TEST REPORT

Test Report No.	: ELES/RNC/2023/0654	Report Release Date	: 15.03.2023
ULR No.	: TC883923000000248F		

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: Jamshedpur Chlorochem Pvt. Ltd.	Sample Ref. No.	: ELES/RNC/2023/AA/0344
Address	: Plot No.- NS-88, VI th Phase	Location	: Near Transformer Room
	: Adityapur Industrial Area, Dist- Saraikela Kharsawan.	Sampling Date	: 11.03.2023 to 12.03.2023
Plant Status	: Operational	Sample Received Date	: 13.03.2023
		Type of Sample	: Ambient Air
Period of Analysis	: 13.03.2023 to 15.03.2023	Sampling Procedure	: ELES/DOC/SMP1/02
		Sample Drawn By	: ELES Pvt. Ltd.
		Sample Condition	: Sealed & Preserved

METEOROLOGICAL INFORMATION					
1	Average Temperature (°C)	: 28	2	Barometric Pressure (mmHg)	: 749
3	Relative Humidity (%)	: 59	4	Weather Condition	: Clear
5	Longitude	: 86°07'19.93"E	6	Latitude	: 22°47'50.85"N

NABL Accredited				
Discipline : Chemical			Group : Atmospheric Pollution	
Parameter	Unit	Test Protocol	Result	Regulatory Limit
Particulate Matter (PM10)	µg/m ³	IS 5182 (Part-23): 2006; RA2022	76	100 (24hrs)
Particulate Matter (PM2.5)	µg/m ³	IS 5182 (Part- 24): 2019	42	60 (24hrs)
Sulphur Di-Oxide (SO ₂)	µg/m ³	IS 5182 (Part-2): 2001; RA2022	14.3	80 (24hrs)
Nitrogen Di-Oxide (NO ₂)	µg/m ³	IS 5182 (Part-6): 2006; RA2022	27.8	80 (24hrs)
Ozone (O ₃)	µg/m ³	IS 5182 (Part-9): 1974; RA2019	<20.0	100 (8hrs)
Ammonia (NH ₃)	µg/m ³	IS 5182 (Part- 25): 2018	<10.0	400 (24hrs)
Carbon Monoxide (CO)	mg/m ³	IS 5182 (Part-10): 1999; RA2019	1.10	2 (8hrs)
Lead (Pb)	µg/m ³	IS 5182 (Part-22): 2004; RA2019	0.007	1 (24hrs)
Arsenic (As)	ng/m ³	IS 5182 (Part- 26): 2020	<2.0	06 (Annual)
Nickel (Ni)	ng/m ³	ELES/AIR/SOP/01	<6.0	20 (Annual)

Rekha Saxena
 Authorized Signatory
Rekha Saxena
 B. Sc. M. Sc. (Botany)
 Director
 ELES PVT. LTD.

Dr. Deependra Kumar Sinha
 Authorized Signatory
Dr. Deependra Kumar Sinha
 Ph.D. Environmental Engg.
 ELES Pvt. Ltd. Technical Manager

****End of Report****
 Page 1 of 1

The information stated in Test Report is only for Laboratory's under contract terms and conditions, with an exception letter issued in pre-agreed format. The results shown in the Test Report refer to samples sent to the Laboratory only. The information stated in the Test Report reflects the findings made by the Laboratory at the time of involvement only and within the limits of client's instructions. The Laboratory is responsible for all the information or data provided on the report, except the information which is provided by the client. The Report cannot be reproduced except in full and any part of the report is not taken out of context, without prior written approval of the Laboratory. The Report in full or in part shall not be published, advertised, used for any legal actions unless prior permission has been received from the Management of the Laboratory. Attention is drawn to the limitation of liability, compensation and jurisdiction clause. Any unauthorised alteration & distribution of the content or appearance of the Test Report is unlawful and offenders may be prosecuted to the fullest extent of the law. All the samples are returned to Client from the date of release/issue of the Test Report. The samples from Regulatory bodies are to be retained as specified. Any type of observations or Comments regarding the Reports shall be done within 10 days from the Date of Test Report release/issue. After the time period stated before, no complaints will be accepted. The entire Test information mentioned in Test Report is in 24 hours format. Attention shall also be drawn to the following: HCL (Chlorine Dioxide Limit) 1.0 (1 hour) Dioxane Limit 0.05 (1 hour)

"Saving Environment will only save the Future"

JAMSHEDPUR CHLOROCHEN PVT. LTD.
Awadhish
 DIRECTOR



ENVIRONMENTAL LABORATORIES &

PLOT NO-88, MANSAROVAR ENCLAVE, TILPUDANA
NATIA, RANCHI-834003 (JHARKHAND)
GST NO:- 20AAEEZTE131274

ENGINEERING SERVICES PVT. LTD.

Email: info@elespl.co.in, eles.ranchi@gmail.com

Phone no : 0661-2290109

Website : www.elespl.co.in

TEST REPORT

Test Report No.	: ELES/RNC/2023/0654	Report Release Date	: 15.03.2023
-----------------	----------------------	---------------------	--------------

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: Jamshedpur Chlorochem Pvt. Ltd.	Sample Ref. No.	: ELES/RNC/2023/AA/0344
Address	: Plot No.- NS-88, VP Phase Adityapur Industrial Area, Dist- Saraikela Kharsawan.	Location	: Near Transformer Room
		Sampling Date	: 11.03.2023 to 12.03.2023
Plant Status	: Operational	Sample Received Date	: 13.03.2023
		Type of Sample	: Ambient Air
Period of Analysis	: 13.03.2023 to 15.03.2023	Sampling Procedure	: ELES/DOC/SMPL/02
		Sample Drawn By	: ELES Pvt. Ltd.
		Sample Condition	: Sealed & Preserved

METEOROLOGICAL INFORMATION					
1	Average Temperature (°C)	: 23	2	Barometric Pressure (mmHg)	: 749
3	Relative Humidity (%)	: 59	4	Weather Condition	: Clear
5	Longitude	: 86°07'19.93"E	6	Latitude	: 22°47'50.85"N

Non-Accredited				
Parameter	Unit	Test Protocol	Result	Regulatory Limit
Benzene *	µg/m ³	IS 5182 (Part-11)2006,RA2017	<L0	05(Annual)
Benz(a)Pyrene*	ng/m ³	IS 5182 (Part-12)2004,RA2019	<L0	01(Annual)

Remarks: (*)-Parameters are outsourced to other Lab.

Rekha Saxena
Authorized Signatory
Rekha Saxena
B. Sc, M. Sc. (Botany)
Director
ELES Pvt. Ltd.

****End of Report****

Dr. Deependra Kumar Sinha
Authorized Signatory
Dr. Deependra Kumar Sinha
Ph. D. Environmental Engg.
ELES Pvt. Ltd. Technical Manager

The Document stated as Test Report, is issued by the Laboratory under General Terms and Conditions, only as Company's internal use in pre-approved format. The results shown in the Test Report apply or relate only to the job/analysis done by the Laboratory only. The information stated on the Test Report reflects the findings done by the Laboratory at the time of measurement only and within the limits of client's requirements. The Laboratory is responsible for all the information or data provided on the report, except the information which is provided by the client. The Report cannot be reproduced except in full and any part of the report is not taken out of context, without prior written approval of the Laboratory. The Report in full or in part shall not be published, advertised, used for any legal action unless prior permission has been secured from the Management of the Laboratory. Attention is drawn to the limitation of liability, compensation and jurisdiction matter. Any unauthorized alteration & falsification of the content or appearance of the Test Report is unlawful and offenders may be prosecuted to the fullest extent of the law. All the samples are retained for 30 days from the Date of release/issue of the Test Report. The samples from Regulatory bodies are to be retained as specified. Any type of Observations or Comments regarding the Report shall be done within 15 days from the Date of Test Report release/issue. After the time period stated before, no comments will be accepted. The errors, from activities mentioned in Test Report is in 24 hours format. Abbreviation used: N/A (Not Applicable), HDL (Below Detection Limit), LEL (Lower Detection Limit).

JAMSHEDPUR CHLOROCEM PVT. LTD.

Deependra Kumar Sinha
DIRECTOR



ENVIRONMENTAL LABORATORIES &

PLOT NO-88, MANSARDIYAR ENCLAVE, TUFUDANA
HATIA, RANCHI-834003 (JHARKHAND)
GST NO:- 20AAACE9713D1274

ENGINEERING SERVICES PVT. LTD.

Email: info@elespl.co.in, eles_ranchi@gmail.com

Phone no: 0651-2290103

Website: www.elespl.co.in



CIN: U74999RJ2018PTC011225

TEST REPORT

Test Report No.	: ELES/RNC/2023/0655	Report Release Date	: 15.03.2023
ULR No.	: TC883923000000249F		

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: Jamshedpur Chlorochem Pvt. Ltd.	Sampling Date	: 11.03.2023 to 12.03.2023
Address	: Plot No.- NS-88, VI th Phase	Sampling Received Date	: 13.03.2023
	: Adityapur Industrial Area.	Type of Sample	: Ambient Noise
	: Dist- Saraikela Kharsawan.	Sampling procedure	: ELES/DOC/SMP1/03
Plant Status	: Operational	Sample Drawn By	: ELES Pvt. Ltd.
		Period of Analysis	: 13.03.2023 to 15.03.2023

METEOROLOGICAL INFORMATION

1	Average Temperature (°C)	: 23	2	Barometric Pressure (mmHg)	: 749
3	Relative Humidity (%)	: 59	4	Weather Condition	: Clear

NABL Accredited

Discipline : Chemical

Group : Atmospheric Pollution

Location	Unit	Test Protocol	Result		Regulatory Limit (Industrial Zone)
			Time	L _{eq}	
North East Corner of the Plant Sample ID: ELES/RNC/2023/AN/0345 Latitude: 22°47'49.76"N	dB(A)	IS 9989:1981; RA 2020	Day Time	65	75 dB(A) Day Time & 70 dB(A) Night Time
			Night Time	50	
			Time	L _{eq}	
North West Corner of the Plant Sample ID: ELES/RNC/2023/AN/0346 Latitude: 22°47'51.71"N	dB(A)	IS 9989:1981; RA 2020	Day Time	62	
			Night Time	47	
			Time	L _{eq}	
Longitude : 86°07'15.64"E		Longitude : 86°07'16.85"E			

Page 1 of 2

The Document stated as Test Report, is issued by the Laboratory under General Terms and Conditions, only on Company letter head in pre-approved format. The results shown in the Test Report refer or relate only to the job/analysis done by the Laboratory only. The information stated in the Test Report reflects the findings done by the Laboratory at the time of involvement fully and within the limits of client's instructions. The Laboratory is responsible for all the information or data provided in the report, except the information which is provided by the client. The Report cannot be reproduced except in full and any part of the report is not taken out of context, without prior written approval of the Laboratory. The Report in full or in part shall not be published, advertised, used for any legal actions unless prior permission has been secured from the Management of the Laboratory. Attention is drawn to the limitation of liability, compensation and jurisdiction issues. Any unauthorized alteration & fabrication of the content or appearance of the Test Report is unlawful and offenders may be prosecuted to the fullest extent of the law. All the samples are retained for 90 days from the Date of release of the Test Report. The samples from Regulatory bodies are to be retained as specified. Any type of Observations or Complaints regarding the Reports shall be done within 15 days from the Date of Test Report released/issued. After the time period stated before, no complaints will be accepted. The error free schedule mentioned in Test Report is in 24 hours format. Abbreviations used: N/A (Not Applicable), BEC (Below Detection Limit), LOD (Lower Detection Limit).

"Saving Environment will only save the Future"

JAMSHEDPUR CHLOROCEM PVT. LTD.

Ausghar
DIRECTOR



ENVIRONMENTAL LABORATORIES &

PLOT NO-30, MANLAKSHMI ENCLAVE, TULSIDAMA
HATIA, RANCHI-834003 (JHARKHAND)
GST NO - 20AAEC29713D124

ENGINEERING SERVICES PVT. LTD.
Email: info@elespl.co.in, eles.ranchi@gmail.com
Phone no : 0651-2290103
Website : www.elespl.co.in



CIN: U74900JH01197031124

TEST REPORT

Test Report No.	: ELES/RNC/2023/0655	Report Release Date	: 15.03.2023
ULR No.	: TCSSJ923000000249F		

NABL Accredited

Discipline : Chemical		Group : Atmospheric Pollution		
Location	Unit	Test Protocol	Result	Regulatory Limit (Industrial Zone)
Roof of the Office	dB(A)	IS 9889:1981; RA 2020	Time	L_{eq}
Sample ID: ELES/RNC/2023/AN/0347			Day Time	60
Latitude: 22°47'49.43"N	Longitude: 86°07'16.98"E	Night Time	44	
Near Transformer Room	dB(A)	IS 9889:1981; RA 2020	Time	L_{eq}
Sample ID: ELES/RNC/2023/AN/0348			Day Time	63
Latitude: 22°47'50.85"N	Longitude: 86°07'19.93"E	Night Time	49	

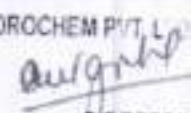

 Authorized Signatory
SANDIP BERA
 SENIOR MANAGER
 ELES PVT. LTD.

****End of Report****


 Authorized Signatory
Dr. Deependra Kumar Sinha
 Ph. D. Environmental Engg.
 ELES Pvt. Ltd. Technical Manager

The Declaration stated in Test Report, is issued by the Laboratory under General Terms and Conditions, only on Complete letter head or pre-approved format. The results shown in the Test Report refer to values only in the parameters done by the Laboratory only. The information stated on the Test Report reflects the findings done by the Laboratory at the time of involvement only and within the limits of client's instructions. The Laboratory is responsible for all the information or data provided on the report, except the information which is provided by the client. The Report cannot be reproduced except in full and any part of the report is not taken out of context, without prior written approval of the Laboratory. The Report in full or in part shall not be published, advertised, used for any legal actions unless prior permission has been received from the Management of the Laboratory. Attention is drawn to the limitation of liability, compensation and arbitration clauses. Any unauthorized alteration & falsification of the content or appearance of the Test Report is unlawful and offenders may be prosecuted to the fullest extent of the Law. All the samples are retained for 30 days from the Date of release/issue of the Test Report. The samples from Regulatory bodies are to be retained as specified. Any type of Observation or Complaints regarding the Reports shall be done within 15 days from the Date of Test Report received/issued. After the above period stated before, no complaints will be accepted. The entire Test schedule mentioned in Test Report is in 24 hours format. Abbreviation used: N/A (Not Applicable), ND (Not Detectable), LOD (Lower Detection Limit).

"Saving Environment will only save the Future"

JAMSHEDPUR CHLORO CHEM PVT. LTD.

 DIRECTOR



ENVIRONMENTAL LABORATORIES &

PLOT NO-38, MANSAROVAR ENCLAVE, TAPUSIANA
NATIA, RANCHI-834003 (JHARKHAND)
GST NO:- 20AAEC27130124

ENGINEERING SERVICES PVT. LTD.

Email: info@elespl.co.in, eles.ranchi@gmail.com

Phone no : 0651-2290103

Website : www.elespl.co.in



CIN: U74909JH2018PTC021125

TEST REPORT

Test Report No. : ELES/RNC/2023/0656	Report Release Date : 15.03.2023
ULR No. : TC883923000000250F	

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	Janshedpur Chlorochem Pvt. Ltd	Sample Ref. No.	ELES/RNC/2023/SM/0349
Address	Plot No.- NS-88, VI th Phase Adityapur Industrial Area, Dist- Saraikela Kharsawan.	Location	Bag Filter Stack
		Sampling Date	12.03.2023
		Sample Received Date	13.03.2023
Plant Status	Operational	Type of Sample	Flue Gas
		Sampling Procedure	ELES/DOC/SMPL/02(A)
Period of Analysis	13.03.2023 to 15.03.2023	Sample Drawn By	ELES Pvt. Ltd
		Sample Condition	Sealed & Preserved

GENERAL INFORMATION

1	Particular of the Plant	Ferro Alloys
2	Emission Due to	Process Activity
3	Stack Connected to	Reactor Vessels
4	Material of Construction of Duct	M.S
5	Stack Height from Ground Level (m)	36.0
6	Height of Sampling Port from Ground Level (m)	17.5
7	Inner Diameter of Stack at Sampling Point (m)	0.9
8	Shape of the Stack	Circular
9	Working Load of the Stack	N/A
10	Pollution Control System	Bag Filter & Cyclone Separator
11	Ladder & Platform	Permanent

FUEL CHARACTERISTICS DETAILS

1	Type of Fuel Used	Aluminium
2	Fuel Consumption	144 Kg/Cycle
3	Calorific Value of Fuel (Kcal/Kg)	N/A

Page 1 of 2

The Document stated as Test Report, is issued by the Laboratory under General Terms and Conditions, only on Company letter head in pre-approved format. The results shown in the Test Report refer to samples only to the job/analysis done by the Laboratory only. The information stated on the Test Report reflects the findings done by the Laboratory at the time of measurement only and within the terms of client's obligations. The Laboratory is responsible for all the information or data provided in the report, except the information which is provided by the client. The Report cannot be reproduced except in full and any part of the report is not taken out of context, without prior written approval of the Laboratory. The Terms in full or in part shall not be published, advertised, used for any legal action unless prior permission has been secured from the Management of the Laboratory. Attention is drawn to the treatment of Infringe, compensation and production issues. Any unauthorized alteration & falsification of the content or appearance of the Test Report is unlawful and offenders may be prosecuted to the fullest extent of the law. All the samples are retained for 30 days from the Date of submission of the Test Report. The samples from Regulatory bodies are to be retained as specified. Any type of Observations or Complaints regarding the Reports shall be done within 45 days from the Date of Test Report returned/issued. After the time period stated below, no complaints will be accepted. The entire Test schedule mentioned in Test Report is in 24 hours format. Abbreviations used: N/A (Not Applicable), ND (Not Detectable), LOD (Detection Limit), LDR (Lower Detection Limit).

"Saving Environment will only save the Future"

JANSHEDPUR CHLORO-CHEM PVT. L.

Beel Gopal
DIRECTOR



CIN: U74999JH021APC031275

TEST REPORT

Test Report No. : ELES/RNC/2023/0656	Report Release Date : 15.03.2023
ULR No. : TC883923000000250F	

NABL Accredited		Group : Atmospheric Pollution	
Discipline : Chemical			
Parameter	Unit	Test Protocol	Result
Particulate Matter (PM)	mg/Nm ³	IS 11255 (Part 1): 1985; RA 2019	43
Sulphur Di-Oxide (SO ₂)	mg/Nm ³	US EPA 6C: 2017	18
Oxides of Nitrogen (NO _x)	mg/Nm ³	US EPA 7E: 2020	31
Flue Gas Temperature	°C	IS 11255 (Part 3): 2008; RA 2018	50
Barometric Pressure	mm/Hg	IS 11255 (Part 3): 2008; RA 2018	749
Velocity of Flue Gas	m/sec	IS 11255 (Part 3): 2008; RA 2018	6.72
Quantity of Gas Flow	Nm ³ /hr	IS 11255 (Part 3): 2008; RA 2018	13960

[Signature]
 Authorized Signatory
SANDIP BERA
 SENIOR MANAGER
 ELES PVT. LTD.

****End of Report****

[Signature]
 Authorized Signatory
Dr. Deependra Kumar Sinha
 Ph. D. Environmental Engg.
 ELES PVT. LTD. Technical Manager

The Document stated as Test Report, is issued by the Laboratory under General Terms and Conditions, with an Company letter head as pre-approved format. The results shown in the Test Report refer or relates only to the analysis carried by the Laboratory only. The information stated in the Test Report reflects the findings done by the Laboratory at the time of involvement only and within the terms of client's instructions. The Laboratory is responsible for all the information or data provided in the report, except the information which is provided by the client. The Report cannot be re-analyzed except in full and any part of the report is not taken out of context, without prior written approval of the Laboratory. The Report in full or in part shall not be published, advertised, used for any legal action unless prior permission has been received from the Management of the Laboratory. Attention is drawn to the violation of liability, compensation and penalties under the unauthorized alteration & fabrication of the content or appearance of the Test Report as unlawful and offenders may be prosecuted to the fullest extent of the law. All the samples are retained for 30days from the Date of release/issue of the Test Report. The samples from regulatory bodies are to be retained as specified. Any type of Observations or Complaints regarding the Reports shall be done within 15days from the Date of Test Report released/issued. After the time period stated before, no complaints will be accepted. The entire Terms schedule mentioned in Test Report is in 24hours format. Attention: send 2x-A (Not Applicable) HDL (Hazard Detection Limit) LDR (Large Detection Limit).

"Saving Environment will only save the Future"

JAMSHEDPUR CHLORO CHEM PVT. L.
[Signature]
 DIRECTOR



ENVIRONMENTAL LABORATORIES & ENGINEERING SERVICES PVT. LTD.

PLOT NO-30, MANSAROVAR ENCLAVE, TUPADKANA
HATIA, RANCHI-834003 (JHARKHAND)
GST NO - 30AAEC00120124

Email: info@elespl.co.in, eles.ranchi@gmail.com
Phone no : 0651-2290103
Website : www.elespl.co.in



CIN: U74900JH2018PC0212175

TEST REPORT

Test Report No. : ELES/RNC/2023/0657	Report Release Date : 15.03.2023
ULR No. : TC883923000000251F	

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	Jamshedpur Chlorochem Pvt. Ltd.	Sample Ref. No.	ELES/RNC/2023/DW/0350
Address	Plot No - NS-88, VI th Phase Adityapur Industrial Area, Dist- Saraikela Kharsawan	Sampling Date	12.03.2023
		Sample Received Date	13.03.2023
		Type of Sample	Drinking Water
Plant Status	Operational	Source/Location of Sample	Supply Water, Near Office
Period of Analysis	13.03.2023 to 14.03.2023	Sampling Procedure	ELES/DOC/SMP/01
		Sample Collected By	ELES Pvt. Ltd
		Sample Condition	Sealed & Preserved

NABL Accredited					
Discipline : Chemical		Group : Water		Regulatory Limit as per IS 10500:2012	
Parameter	Unit	Test Protocol	Result	Acceptable Limit	Permissible Limit
pH (at 23.5 °C)	-	APHA 23 rd Ed.2017, 4500-H ⁻ B	6.74	6.5-8.5	No relaxation
Turbidity	NTU	APHA 23 rd Ed.2017, 2130 B	1.76	1.0	5.0
Total Dissolved Solids (TDS)	mg/L	APHA 23 rd Ed.2017, 2540B,C&D	360	500	2000
Total Alkalinity (as CaCO ₃)	mg/L	APHA 23 rd Ed.2017, 2320 B	68	200	600
Chloride (as Cl)	mg/L	APHA 23 rd Ed.2017, 4500 Cl-B	119	250	1000
Total Hardness (as CaCO ₃)	mg/L	APHA 23 rd Ed.2017, 2340 C	163	200	600
Sulphate (as SO ₄)	mg/L	APHA 23 rd Ed.2017, 4500 SO ₄ ²⁻ , F	8.242	200	400
Total Suspended Solids(TSS)	mg/L	APHA 23 rd Ed.2017, 2540B, 2540 C&D	0.80	-	-
Conductivity	mg/l	APHA 23rd Ed.2017, 2510-B	620	-	-
Discipline : Chemical		Group : Residues in Water			
Iron (as Fe)	mg/L	APHA 23 rd Ed.2017, 3111B & 3500 Fe-B	0.089	1.0	1.0

Remarks: 1. pH done at Lab

Authorized Signatory
SANDIP BERA
SENIOR MANAGER
ELES PVT. LTD.

****End of Report****

Page 1 of 1

Authorized Signatory
Dr. Deependra Kumar Sinha
Ph. D. Environmental Engg.
ELES Pvt. Ltd. Technical Manager

The document stated as Test Report is generated under General Terms and Conditions, valid for the use of the information contained therein. The results shown in the Test Report refer to the analysis of the samples submitted to the Laboratory only. The information stated on the Test Report reflects the findings done by the Laboratory at the time of involvement only and within the limits of client's instructions. The Laboratory is responsible for all the information or data provided on the report, except the information which is provided by the client. The Report cannot be reproduced except in full and any part of the report is not taken out of context without prior written approval of the Laboratory. The Report in full or in part shall not be published, advertised, used for any legal action unless prior permission has been received from the Management of the Laboratory. Attention is drawn to the limitation of liability, compensation and jurisdiction clause. Any variation or alteration or falsification of the content or appearance of the Test Report is unlawful and offenders may be prosecuted to the fullest extent of the law. All the samples are retained for 30 days from the Date of submission of the Test Report. The samples from Regulatory bodies are to be retained as specified. Any type of Observations or Complaints regarding the Reports shall be done within 15 days from the Date of Test Report Release/Issued. After the time period stated before, no complaints will be accepted. The entire Test schedule mentioned in Test Report is in 24 hours format. Abbreviation used: % S (ppm) Application: JCR, DR/MS, Detection Limit, LCL, Lower Detection Limit.

"Saving Environment will only save the Future"

JAMSHEDPUR CHLOROCEM PVT. LTD.

Director
DIRECTOR

ANNEXURE - 12

पत्र



[Faint, illegible text, likely a letter or official communication]

JAMSHEDPUR CHLORO-CHEM PVT. LTD.

[Signature]
Director

ANNEXURE - 13

[Faint, illegible text, likely a document or report]

Director

Jamshedpur Chlorochem Pvt. Ltd.

JAMSHEDPUR CHLOROCEM PVT.LTD.

NOTICE

That M/s JAMSHEDPUR CHLOROCEM PVT.LTD. has been accorded Environmental Clearance (with 5 nos. of Specific conditions and 10 nos. of General conditions) by the Ministry of Environment, Forest & Climate Change, Government Of India, New Delhi vide F. No. J-11011/459/2017-IA-II (I), dated 24.12.2018 for production of 3600 TPA LC Ferro Chrome/ or LC Ferro Manganese, 1200 TPA Ferro Molybdenum & 1200 TPA Ferro Vanadium Plant at Plot No. NS-88, Vith Cross, Adityapur Industrial Area, Gombasia -822108, District Seraikela-Kharsawan, Jharkhand and copies of the clearance letter are available with the AIADA, Municipal Council, Adityapur, Jharkhand State Pollution Control Board (JSPCB), Head Office at Ranchi & Regional Office at Adityapur, DC office, Seraikela-Kharsawan and may also be seen at Website of the Ministry of Environment and Forests, New Delhi at <http://parivesh.nic.in>

Director

Date: 07.01.2019 For Jamshedpur Chlorochem Pvt.Ltd

JAMSHEDPUR CHLOROCEM PVT LTD

Director

ANNEXURE-14



JAMSHEDPUR CHLOROCEM PVT. LTD.

MANUFACTURER OF HYDRATED LIME

Office & Works Plot No NS-88 Vith Phase Adityapur Ind. Area Gamharia - 832108 Dist - Seraikela-Kharsawan, Jharkhand
Cell 9431182371 9031982253, E-mail jscchlorochem@gmail.com
CIN U24220JH1999PTC008858

07.01.2019

t/c

To,
The Regional Director,
Jharkhand Industrial Area Development Authority,
Adityapur Region,
Adityapur

Sub: Submission of copy of **Environmental Clearance** for establishment of 3600 TPA LC Ferro Chrome/or LC Ferro Manganese, 1200 TPA Ferro Molybdenum & 1200 TPA Ferro Vanadium Plant of M/s Jamshedpur Chlorochem Pvt.Ltd. at Plot No. NS - 88 Vith Phase Adityapur Industrial Area, Gamharia - 832 108, District Seraikela-Kharsawan.

Ref: MoEF & CC, New Delhi EC Letter vide F. No. J-11011/459/2017-IA II (I), dated **24.12.2018** - copy attached.

Sir,

With reference to above and as directed by the above mentioned Environmental Clearance condition, please find enclosed copy of our EC Letter F. No. J-11011/459/2017-IA II (I), dated **24.12.2018**, as granted by MoEF & CC, New Delhi for establishment 3600 TPA LC Ferro Chrome/or LC Ferro Manganese, 1200 TPA Ferro Molybdenum & 1200 TPA Ferro Vanadium Plant of M/s Jamshedpur Chlorochem Pvt.Ltd. at Plot No. NS - 88 Vith Phase, Adityapur Industrial Area, Gamharia - 832 108, District Seraikela-Kharsawan.

This is for your information and needful.

Thanking you.

Yours Sincerely

For Jamshedpur Chlorochem Pvt.Ltd.

Manoj Gutgia
(Manoj Kumar Gutgia)

Director

Encl : As above.

*Recd
Shrawan
07/01/19, 11:05 AM
JCL*

JAMSHEDPUR CHLOROCEM PVT. LTD.

Manoj Gutgia
Director



JAMSHEDPUR CHLOROCEM PVT. LTD.

MANUFACTURER OF HYDRATED LIME

Office & Works Plot No NS-88 Vith Phase, Adityapur Ind. Area, Gamharia - 832108, Dist - Seraikela-Kharsawan, Jharkhand
Cell: 9431182371 9031992253 E-mail: jpcchlorochem@gmail.com
CIN: U24220JH1999PTC008858

07.01.2019

To,
The Regional Manager,
Jharkhand State Pollution Control Board,
Adityapur, Jamshedpur,

Sub: Submission of copy of **Environmental Clearance** for establishment of 3600 TPA LC Ferro Chrome/or LC Ferro Manganese, 1200 TPA Ferro Molybdenum & 1200 TPA Ferro Vanadium Plant of M/s Jamshedpur Chlorochem Pvt.Ltd. at Plot No. NS - 88, Vith Phase, Adityapur Industrial Area, Gamharia - 832 108, District Seraikela-Kharsawan

Ref: MoEF & CC, New Delhi EC Letter vide F. No. J-11011/459/2017-IA II (I), dated 24.12.2018 - copy attached.

Sir,

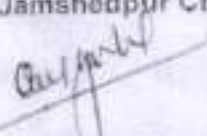
With reference to above and as directed by the above mentioned Environmental Clearance condition, please find enclosed copy of our EC Letter F. No. J-11011/459/2017-IA II (I), dated 24.12.2018, as granted by MoEF & CC, New Delhi for establishment of 3600 TPA LC Ferro Chrome/or LC Ferro Manganese, 1200 TPA Ferro Molybdenum & 1200 TPA Ferro Vanadium Plant of M/s Jamshedpur Chlorochem Pvt.Ltd. at Plot No. NS - 88, Vith Phase, Adityapur Industrial Area, Gamharia - 832 108, District Seraikela-Kharsawan.

This is for your information and needful.

Thanking you.

Yours Sincerely

For Jamshedpur Chlorochem Pvt.Ltd.


(Manoj Kumar Gutgutia)

Director

Encl : As above.

JAMSHEDPUR CHLOROCEM PVT. LTD.


Director



JAMSHEDPUR CHLOROCEM PVT. LTD.
MANUFACTURER OF HYDRATED LIME

Office & Works : Plot No NS-88, Vllth Phase, Adityapur Ind. Area, Gamharia - 832108, Dist. - Seraikela-Kharsawan, Jharkhand
Cell : 9431182371, 9031992253, E-mail : jrchlorochem@gmail.com
CIN : U24220JH1999PTC008858

07.01.2019

Te

To,
The Municipal Council,
Adityapur

Sub: Submission of copy of **Environmental Clearance** for establishment of 3600 TPA LC Ferro Chrome/or LC Ferro Manganese, 1200 TPA Ferro Molybdenum & 1200 TPA Ferro Vanadium Plant of M/s Jamshedpur Chlorochem Pvt.Ltd, at Plot No. NS - 88 Vllth Phase, Adityapur Industrial Area, Gamharia - 832 108, District Seraikela-Kharsawan.

Ref: MoEF & CC, New Delhi EC Letter vide F. No. J-11011/459/2017-IA II (I), dated **24.12.2018** - copy attached.

Sir

With reference to above and as directed by the above mentioned Environmental Clearance condition, please find enclosed copy of our EC Letter F. No. J-11011/459/2017-IA II (I), dated **24.12.2018**, as granted by MoEF & CC New Delhi for establishment of 3600 TPA LC Ferro Chrome/or LC Ferro Manganese, 1200 TPA Ferro Molybdenum & 1200 TPA Ferro Vanadium Plant of M/s Jamshedpur Chlorochem Pvt.Ltd. at Plot No. NS - 88 Vllth Phase, Adityapur Industrial Area, Gamharia - 832 108, District Seraikela-Kharsawan.

This is for your information and needful

Thanking you,

Yours Sincerely

For Jamshedpur Chlorochem Pvt.Ltd.

(Manoj Kumar Gutgutia)

Director

Encl : As above.

JAMSHEDPUR CHLOROCEM PVT. LTD.

Manoj Kumar Gutgutia
Director

Smriti
02/1/19

20.02.2019

thru speed post

To,
The Deputy Commissioner,
District - Seraikela- Kharsawan,
D.C. Office,
Gaurangdih,
Seraikela -833 220

Sub: Submission of copy of **Environmental Clearance** for establishment of 3600 TPA LC Ferro Chrome/or LC Ferro Manganese, 1200 TPA Ferro Molybdenum & 1200 TPA Ferro Vanadium Plant of M/s Jamshedpur Chlorochem Pvt.Ltd. at Plot No. NS - 88,Vith Phase,Adityapur Industrial Area,Gamharia - 832 108, District Seraikela-Kharsawan

Ref: MoEF & CC, New Delhi EC Letter vide **F. No. J-11011/459/2017-IA II (I)**, dated **24.12.2018** - copy attached.

Sir,

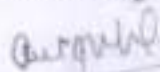
With reference to above and as directed by the above mentioned Environmental Clearance condition, please find enclosed copy of our EC Letter **F. No. J-11011/459/2017-IA II (I)**, dated **24.12.2018**, as granted by MoEF & CC, New Delhi for establishment of 3600 TPA LC Ferro Chrome/or LC Ferro Manganese, 1200 TPA Ferro Molybdenum & 1200 TPA Ferro Vanadium Plant of M/s Jamshedpur Chlorochem Pvt.Ltd. at Plot No. NS - 88,Vith Phase, Adityapur Industrial Area, Gamharia - 832 108, District Seraikela-Kharsawan

This is for your information and needful.

Thanking you.

Yours Sincerely

For Jamshedpur Chlorochem Pvt.Ltd.

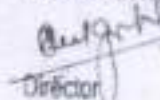


(Manoj Kumar Gutgutia)

Director

Encl : As above.

JAMSHEDPUR CHLOROCEM PVT. LTD.


Director

20.02.2019

thru speed post

To
The Member Secretary,
Jharkhand State Pollution Control Board,
T.A.Division Building,
Dhurwa,
Ranchi - 834 004

Sub. Submission of copy of **Environmental Clearance** for establishment of 3600 TPA LC Ferro Chrome/or LC Ferro Manganese, 1200 TPA Ferro Molybdenum & 1200 TPA Ferro Vanadium Plant of M/s Jamshedpur Chlorochem Pvt.Ltd at Plot No NS - 88,Vith Phase Adityapur Industrial Area,Gamharia - 832 108, District Seraikela-Kharsawan

Ref. MoEF & CC, New Delhi EC Letter vide F. No. J-11011/459/2017-IA II (I), dated 24.12.2018 - copy attached.

Sr,

With reference to above and as directed by the above mentioned Environmental Clearance condition, please find enclosed copy of our EC Letter F. No. J-11011/459/2017-IA II (I), dated 24.12.2018, as granted by MoEF & CC, New Delhi for establishment of 3600 TPA LC Ferro Chrome/or LC Ferro Manganese, 1200 TPA Ferro Molybdenum & 1200 TPA Ferro Vanadium Plant of M/s Jamshedpur Chlorochem Pvt.Ltd at Plot No NS - 88,Vith Phase, Adityapur Industrial Area, Gamharia - 832 108, District Seraikela-Kharsawan.

This is for your information and needful.

Thanking you.

Yours Sincerely

For Jamshedpur Chlorochem Pvt.Ltd.



(Manoj Kumar Gutgutia)

Director

Encl : As above.

JAMSHEDPUR CHLOROCEM PVT. LTD.


Director

ANNEXURE-15

