



**JAMSHEDPUR CHLOROCEM
PRIVATE LIMITED**

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

28 July, 2022

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

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 1st October 2021 to 31st March 2022 to the specified authorities. The same is enclosed for your information.

Thanking you,

Yours Faithfully,
For Jamshepur Chlorochem Pvt. Ltd.


(Manoj Kumar Gutgutia)
Director



Enclosure: Compliance Report for the period 01.10.2021 to 31.03.2022 with Annexures



**JAMSHEDPUR CHLOROCEM
PRIVATE LIMITED**

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

28 July, 2022

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-IA-II(I) Dated 24-12-2018

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LC Ferro Manganese & Ferro Chrome Powder
CIN: U24220JH1999PTC008858

28 July, 2022

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

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

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PRIVATE LIMITED**

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

28 July, 2022

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

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


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PRIVATE LIMITED**

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

28 July, 2022

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


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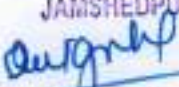
M/S JAMSHEDPUR CHLOROCEM PRIVATE LIMITED		
EC COMPLIANCE STATEMENT		
Environment Clearance issued by MoEF & CC vide reference no F. No. IA-J-11011/459/2017-IA-II(I) Dated 24-12-2018		
CONDITION	COMPLIANCE / STATUS (01.10.2021 to 31.03.2022)	
(A) SPECIFIC CONDITIONS:		
1	Only washed Ore shall be used 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 in process in the vacant space available in the factory premises & vicinity. Till date 120 no. Tree has been planted and process is ongoing. Additional 300 trees have been planted in the premises of Adityapur Auto Cluster at approx. 3 km from our plant. Certificate attached as Annexure-15 It is proposed to start block plantation of 1000 trees in a private land of 0.61 acres acquired by the Directors and already registered in the company's name at village Nishchintpur at approx. 8.5 Km from site in the same district.
5	TCPL test shall be carried for Ferro chrome slag at a frequency of 6 months.	Being complied. Latest report attached as Annexure-1
(B) General Condition		
I. Statutory compliance:		
1	The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & control of	Consent to Establish has been obtained from the Board vide Reference No. JSPCB/HO/RNC/CTE-

JAMSHEDPUR CHLOROCEM PVT. LTD.


Signature
DIRECTOR

	Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/Committee.	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.
2	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.	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
3	The project proponent shall obtain authorization under the Hazardous and other waste Management Rules, 2016 as amended from time to time.	Authorization obtained. Attached as Annexure - 5
II. Air quality monitoring and preservation:		
1	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 31 st 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.	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.
2	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.	Monitoring done through NABL accredited laboratory and reports attached as Annexure-6.
3	The project proponent shall carryout Ambient Air Quality monitoring for common / criterion parameters relevant to the main pollutants released (e.g. PM ₁₀ and PM _{2.5} in reference to PM emission, and SO ₂ and NO _x in reference to SO ₂ and NO _x emission) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.	AAQ monitoring report attached as Annexure -6

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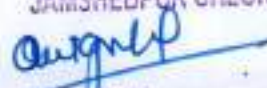

DIRECTOR

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 multi cyclone 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 sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognised under Environment (Protection) Act, 1986 and	No ground water extraction or discharge from the plant. Ground water quality Report attached as Annexure –6

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	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) during day time and 70 dB(A) during night time.	Complied.
(5) Energy Conservation measures		

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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

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. Additional 300 trees have been planted in the premises of Adityapur Auto Cluster at approx. 3 km from our plant. Certificate attached as Annexure-15. Additional plantation will be taken outside the
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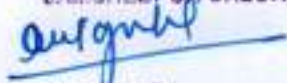
		premises as directed. It is proposed to start block plantation of 1000 trees in a private land of 0.61 acres acquired by the Directors and already registered in the company's name at village Nishchintpur at approx. 8.5 Km from site in the same district.
2	The project proponent shall prepare GHG emissions 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, regarding Corporate Environment Responsibility.	CER is proposed as per norms and will be complied. Details attached in Annexure -8
2	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard	Copy of corporate environmental policy attached as Annexure - 9

JAMSHEDPUR CHLORO CHEM PVT. LTD.


DIRECTOR


	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.	
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 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 31.03.2022 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 2022 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.
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	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

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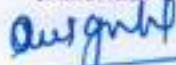
	State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently	published in Hindustan (Hindi) and Hindustan Times dated 08.01.2019 and copies attached as Annexure – 12 & Annexure - 13. Copy of EC uploaded 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 website of the company.	Environment Statement for the year ending 31 st March 2022 attached along with as Annexure -11.
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

JAMSHEDPUR CHLORO CHEM PVT. LTD.


DIRECTOR

		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 reports.	Agreed and full cooperation will be made to the authorities.
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,	All the statutory compliances are being followed by the management.

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	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.	
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.

DIRECTOR



KALYANI LABORATORIES PVT. LTD.

78/94L PAHAL, BHUBANESWAR-752101, ODISHA

TEST REPORT

NABL ULR NO : TC704321000007799P
Test Report No : 260 | **KLPL/3/21/GENERAL/00531** Issue Date : 27-May-2021
Amendment No : - Amendment Date : -
Reference : -
Customer Name : JAMSHEDPUR CHLOROCEM PVT. LTD.
Address : PLOT NO. NS-88, VITH PHASE, ADITYAPUR IND. AREA, GAMHARIA-832108
Date of receipt : 27-Mar-2021 Commenced On : 27-Mar-2021 Completion On: 25-May-2021
Name : **LOW CARBON FERRO CHROME SLAG**
Sample Description : SEALED
Sample Identification * : **LOW CARBON FERRO CHROME SLAG**
Received Quantity : 500GM Location : NA
Sample Collected By : SUBMITTED BY CUSTOMER
Ref. To Sampling Procedure:

Parameters	Unit	Result	Test Method
CHEMICAL PARAMETER			
I Chromium (as Cr)	mg/l	0.0074	TCLP Criteria of hazardous waste characterisation procedure
II Copper (as Cu)	mg/l	<0.02	TCLP Criteria of hazardous waste characterisation procedure
III Fluoride	mg/l	5.6	TCLP Criteria of hazardous waste characterisation procedure
IV Hexavalent Chromium (as Cr+6)	mg/l	<0.05	TCLP Criteria of hazardous waste characterisation procedure
V Iron (as Fe)	mg/l	78.15	TCLP Criteria of hazardous waste characterisation procedure
VI Zinc (as Zn)	mg/l	0.4974	TCLP Criteria of hazardous waste characterisation procedure
TOXIC SUBSTANCES			
VII Cadmium (as Cd)	mg/l	<0.001	TCLP Criteria of hazardous waste characterisation procedure
VIII Lead (as Pb)	mg/l	<0.005	TCLP Criteria of hazardous waste characterisation procedure
IX Mercury (as Hg)	mg/l	<0.0005	TCLP Criteria of hazardous waste characterisation procedure
X Nickel (as Ni)	mg/l	<0.01	TCLP Criteria of hazardous waste characterisation procedure

** : Not Covered Under NABL Scope

Remarks : NIL

Any unusual feature observed during determination : NIL

End of Test Report

D. Anulcha
 Analysed By
 For Kalyani Laboratories Pvt. Ltd.



Pooja Nayak
 Authorized Signatory - 27/05/2021
 For Kalyani Laboratories Pvt. Ltd.

JAMSHEDPUR CHLOROCEM PVT. LTD.

 DIRECTOR

KLPL- 345963A



JHARKHAND STATE POLLUTION CONTROL BOARD

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

RefNo.: 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-l(A).II(I), 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			

JAMSHEDPUR CHLOROCEM PVT. LTD.

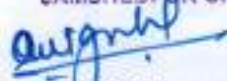
Signature
DIRECTOR

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
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(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;

JAMSHEDPUR CHLORO CHEM PVT. LTD.

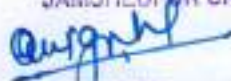

DIRECTOR

- (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.

JAMSHEDPUR CHLORO CHEM PVT. LTD.


DIRECTOR

(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

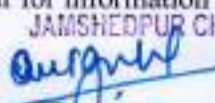
DINESH
PRASAD
SINGH
(Dinesh Prasad Singh)
Environmental Engineer

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

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

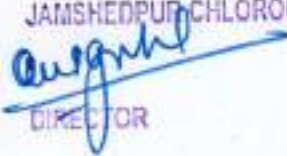
Dated : 2019-04-16

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.

JAMSHEDPUR CHLOROCEM PVT. LTD.

DIRECTOR

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

(Dinesh Prasad Singh)
Environmental Engineer

JAMSHEDPUR CHLORO-CHEM PVT. LTD.

DIRECTOR

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 CHLOROCEM 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, Gol vide ref. no. J-11011/459/2017-I(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

JAMSHEDPUR CHLOROCEM PVT. LTD.


DIRECTOR

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	30/09/2025
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(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:


JAMSHEDPUR CHLORO CHEM PVT. LTD.

 DIRECTOR

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.

JAMSHEDPUR CHLORO-CHEM PVT. LTD.


 DIRECTOR

- (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.

JAMSHEDPUR CHLORO CHEM PVT. LTD.

Signature
DIRECTOR

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

JAMSHEDPUR CHLOROCEM PVT. LTD.

 DIRECTOR

ADITYAPUR MUNICIPAL CORPORATION

WATER USER CHARGE

Payment Receipt

Receipt No. 364274-8122021131220

Department / Section :

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

Date : 08-12-2021

Ward No : 20

Holding No : SAF NOT DONE

Consumer No : ADI130919014425200928

Consumer No : M-215

Received From Start / Smt.

MRS JAMSHEDPUR
CHLOROCEM

C/O

NA

Address :

NS-88 SIXTH PHASE
ADITYAPUR

Mobile No

7004606657

A Sum of Rs. 810.00

(in words) Eight Hundred and Ten only.

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

WATER USES CHARGE DETAILS

Code of Amount	Account Description	Period	Due Period	Amount
1405012	Water Fees (User Charge)(2021 - 2022)	01-10-2021 - 31-12-2021	3 Month(s)	810.00
1801003	Water Supply Deposits (Deposit Forfeited)			
1404007	Disconnection Fees			
3402001	Water Connection Deposit(Refundable)			
1407004	Road Damage Recovery			
1718003	Interest on Water Tax Receivable			
Total Billing Amount				810.00
Amount Received				810.00
Rebate Amount				0.00
Total Due				0.00

सब ठासना आपका अधिकार है, मतदाता बने



Signature of Tax Collector

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

Print Date : 08-12-2021

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

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

JAMSHEDPUR CHLOROCEM PVT. LTD.

Signature
DIRECTOR

ADITYAPUR MUNICIPAL CORPORATION

WATER USER CHARGE

Payment Receipt

Receipt No. **379123-322022132541**

Date : 03-02-2022

Department / Section :

Ward No : 20

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

Holding No : SAF NOT DONE

Consumer No : AD1130919014425200928

Consumer No : M-215

Received From Shri / 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.

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

WATER USES CHARGE DETAILS

Code of Amount	Account Description	Period	Due Period	Amount
1405012	Water Fees (User Charge)(2021 - 2022)	01-01-2022 - 28-02-2022	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

मत डालना आपका अधिकार है, मतदाता बने



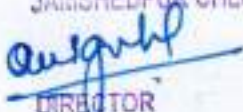
Signature of Tax Collector

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

Print Date : 03-02-2022

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

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

JAMSHEDPUR CHLOROCEM PVT. LTD.

DIRECTOR

ADITYAPUR MUNICIPAL CORPORATION

WATER USER CHARGE

Payment Receipt

Receipt No. 392952-2332022132231

Department / Section :

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

Date : 23-03-2022

Ward No : 20

Holding No : SAF NOT DONE

Consumer No : ADI130919014425200928

Consumer No : M-215

Received From Shri / Smt.

M/S JAMSHEDPUR
CHLOROCHEM

D/O

NA

Address :

NS-88 SIXTH PHASE
ADITYAPUR

Mobile No

7904606657

A Sum of Rs. 270.00

(in words) Two Hundred and Seventy only.

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

WATER USES CHARGE DETAILS

Code of Amount	Account Description	Period	Due Period	Amount
1405012	Water Fees (User Charge)(2021 - 2022)	01-03-2022 - 31-03-2022	1 Month(s)	270.00
1801003	Water Supply Deposits (Disjunct Fortified)			
1404007	Disconnection Fees			
3402001	Water Connection Deposits(Refundable)			
1407004	Road Damage Recovery			
1718003	Interest on Water Tax Receivable			
			Total Billing Amount	270.00
			Amount Received	270.00
			Rebate Amount	0.00
			Total Due	0.00

मात्र डालना आपका अधिकार है, मतदाता बने



Signature of Tax Collector

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

Print Date : 23-03-2022

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

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

JAMSHEDPUR CHLOROCHEM PVT. LTD.

DIRECTOR



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.

JAMSHEDPUR CHLOROCEM PVT. LTD.


DIRECTOR

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 Sl. 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 10:54:56 +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 16:25:16 +05'30'
(Suresh Paswan)
Regional Officer

JAMSHEDPUR CHLOROCEM PVT. LTD.

DIRECTOR

ANNEXURE-6



ENVIRONMENTAL LABORATORIES &



PLOT NO-30, MANSAROVAR ENCLAVE, TUPUDANA
HATIA, RANCHI-834003 (JHARKHAND)
GST NO:- 20AAECF9713D124

ENGINEERING SERVICES PVT. LTD.

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

Phone no : 0651-2290103

Website : www.elespl.co.in

CIN: U74999JH2018PTC012125

TEST REPORT

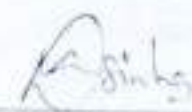
Discipline : Chemical	Group : Water
Test Report No. : ELES/RNC/2022/0737	Report Release Date : 13.04.2022
ULR No. : TC883922000000383F	

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: Jamshedpur Chlorochem Pvt.Ltd.	Sample Ref. No.	: ELES/RNC/2022/DW/0581
Address	: Plot No.-NS-88, Vith Phase Adityapur Industrial Area, Dist.- Saraikela Kharsawan	Sampling Date	: 22.03.2022
Plant Status	: Operational	Sample Received Date	: 24.03.2022
Period of Analysis	: 24.03.2022 to 31.03.2022	Type of Sample	: Drinking Water
		Source of Sample	: Supply Water, Near Office
		Sampling Procedure	: ELES/DOC/SMP/01
		Sample Collected By	: ELES Pvt.Ltd
		Sample Condition	: Sealed & Preserved

NABL Accredited				Regulatory Limit as per IS:10500:2012	
Parameter	Unit	Test Protocol	Result	Acceptable Limit	Permissible Limit
pH (at 25.4°C)	-	APHA 23 rd Edition 2017, 4500H ⁺ B	7.07	6.5-8.5	6.5-8.5
Turbidity	NTU	APHA 23 rd Edition 2017, 2150 B	0.72	1.0	5.0
Conductivity (at 25.0°C)	µS/cm	APHA 23 rd Edition 2017, 2510 B	704		
Total Alkalinity as CaCO ₃	mg/l	IS 3025 (Part-23):1986; RA2014	86.1	200	600
Chloride as Cl	mg/l	IS 3025 (Part-32):1988; RA2014	120	250	1000
Total Hardness as CaCO ₃	mg/l	APHA 23 rd Edition 2017, 2340 C	267	200	600
Sulphate (as SO ₄)	mg/l	APHA 23 rd Edition 2017, 4500-SO ₄ -E	35.4	200	400
Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part-16):1984; RA2017	438	500	2000
Fluoride	mg/l	APHA 23 rd Edition 2017,4500-F-D	0.4668	1.0	1.5
Iron as Fe	mg/l	APHA 23 rd Edition 2017,3111 B	0.286	1.0	1.0

Remarks: 1. pH done at Lab.


 Authorized Signatory
SANDIP BERA ****End of Report****
 SENIOR MANAGER
 ELES PVT. LTD.


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

Page 1 of 1

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JAMSHEDPUR CHLOROCEM PVT. LTD.
 DIRECTOR



CIN: U74999JH2018PTC011125

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



TEST REPORT

Discipline	: Chemical	Group	: Atmospheric Pollution
Test Report No.	: ELES/RNC/2022/0736	Report Release Date	: 13.04.2022
ULR No.	: TC883922000000382F		

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: Jamshedpur Chlorochem Pvt. Ltd.	Sample Date	: 22.03.2022 to 23.03.2022
Address	: Plot No.-NS-88, VI th Phase	Sampling Received Date	: 24.03.2022
	Adityapur Industrial Area,	Type of Sample	: Ambient Noise
	Dist.- Saraikela Kharsawan	Sampling procedure	: ELES/DOC/SMPL/05
Plant Status	: Operational	Sample Drawn By	: ELES Pvt. Ltd.
		Period of Analysis	: 24.03.2022 to 31.03.2022

METEOROLOGICAL INFORMATION				
1	Average Temperature (°C)	: 28	2 Barometric Pressure (mmHg)	: 749
3	Relative Humidity (%)	: 58	4 Weather Condition	: Clear

Location	Unit	Test Protocol	Result			Regulatory Limit	
			Time	L _{Max}	L _{Min}		L _{eq}
Roof of the Office	dB(A)	IS 9989:1981, RA 2001	Day Time	67.8	54.0	63	75 dB(A) Day Time & 70 dB(A) Night Time
Sample ID: ELES/RNC/2022/AN/0577			Night Time	48.4	42.4	46	
Latitude:22°47'49.43"N			Longitude:86°07'16.98"E				
Near Transformer Room	dB(A)	IS 9989:1981, RA 2001	Day Time	69.7	55.7	65	
Sample ID: ELES/RNC/2022/AN/0578			Night Time	48.1	43.4	46	
Latitude:22°47'50.85"N			Longitude:86°07'19.93"E				

JAMSHEDPUR CHLOROCEM PVT. LTD.

August
DIRECTOR

Page 1 of 2

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ENVIRONMENTAL LABORATORIES &



PLOT NO-30, MANSAROVAR ENCLAVE, TUPUDANA
HATIA, RANCHI-834003 (JHARKHAND)
GST NO:- 20AAECE9713D174

ENGINEERING SERVICES PVT. LTD.

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

Phone no : 0651-2290103

Website : www.elespl.co.in

CIN: U74900JH2014PTC011122

TEST REPORT

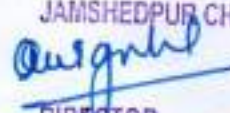
Discipline	: Chemical	Group	: Atmospheric Pollution
Test Report No.	: ELES/RNC/2022/0736	Report Release Date	: 13.04.2022
ULR No.	: TC883922000000382F		

Location	Unit	Test Protocol	Result			Regulatory Limit	
			Time	L _{Max}	L _{Min}		L _{eq}
North West Corner of Plant	dB(A)	IS 9989:1981, RA 2001	Day Time	66.8	54.0	63	75 dB(A) Day Time & 70 dB(A) Night Time
Sample ID: ELES/RNC/2022/AN/0579			Night Time	52.0	42.1	47	
Latitude:22°47'51.71"N			Longitude:86°07'16.98"E				
North East Corner of Plant	dB(A)	IS 9989:1981, RA 2001	Day Time	65.8	54.0	62	
Sample ID: ELES/RNC/2022/AN/0580			Night Time	49.5	42.8	46	
Latitude:22°47'49.43"N			Longitude:86°07'16.98"E				


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


JAMSHEDPUR CHLORO CHEM PVT. LTD.
DIRECTOR

Page 2 of 2

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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

Discipline	: Chemical	Group	: Atmospheric Pollution
Test Report No.	: ELES/RNC/2022/0731	Report Release Date	: 13.04.2022
ULR No.	: TC883922000000377F		

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: Jamshedpur Chlorochem Pvt. Ltd.	Sample Ref. No.	: ELES/RNC/2022/AA/0572
Address	: Plot No.-NS-88, VI th Phase	Location	: North East corner of the Plant
	: Adityapur Industrial Area, Dist- Saraikela Kharsawan	Sampling Date	: 22.03.2022 to 23.03.2022
Plant Status	: Operational	Sample Received Date	: 24.03.2022
		Type of Sample	: Ambient Air
Period of Analysis	: 24.03.2022 to 12.04.2022	Sampling Procedure	: ELES/DOC/SMPL/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 (%)	: 58	4	Weather Condition	: Clear
5	Longitude	: 86°07'16.98"E	6	Latitude	: 22°47'49.43"N

NABL Accredited

Parameter	Unit	Test Protocol	Result				Regulatory Limit		
			Duration			24hrs. Avg.			
Particulate Matter (PM10)	µg/m ³	IS 5182 (Part-23);2006; RA2017	Duration			24hrs. Avg.	100 (24hrs)		
			11:12 - 19:07	19:14 - 03:00	03:08 - 11:04				
			89	77	84	83			
Sulphur Di-Oxide (SO ₂)	µg/m ³	IS 5182 (Part-2); 2001; RA2017	Duration				24hrs. Avg.	80 (24hrs)	
			11:12- 15:10	15:10- 19:07	19:14- 23:08	23:08- 03:00			03:08 - 07:02
			8.4	8.1	7.5	6.9	8.9		7.4
Nitrogen Di-Oxide (NO ₂)	µg/m ³	IS 5182 (Part-6); 2001; RA2017	Duration				24hrs. Avg.	80 (24hrs)	
			11:12- 15:10	15:10- 19:07	19:14- 23:08	23:08- 03:00			03:08 - 07:02
			21.0	20.9	19.3	18.5	21.6		19.2

JAMSHEDPUR CHLOROCEM PVT. LTD.

[Signature]
DIRECTOR

Page 1 of 2

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ENVIRONMENTAL LABORATORIES &



PLOT NO-30, MANSAROVAR ENCLAVE, TUPUDANA
MATIA, RANCHI-834003 (JHARKHAND)
GST NO:- 20AAECS713D124

ENGINEERING SERVICES PVT. LTD.

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

Phone no : 0651-2290103

Website : www.elespl.co.in

ON: U74999JH2018PTC021125

TEST REPORT

Discipline	: Chemical	Group	: Atmospheric Pollution
Test Report No.	: ELES/RNC/2022/0731	Report Release Date	: 13.04.2022
ULR No.	: TC883922000000377F		

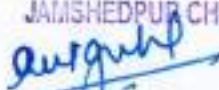
NABL Accredited											
Parameter	Unit	Test Protocol	Result				Regulatory Limit				
Ozone (O ₃)	µg/m ³	IS 5182 (Part-9): 1974; RA2014	Duration			24hrs. Avg.		100 (8hrs)			
			11:12 - 19:07	19:14 - 03:00	03:08 - 11:04	<20.0					
			<20.0	<20.0	<20.0						
Ammonia (NH ₃)	µg/m ³	401; Methods of Air Sampling & Analysis	Duration				24hrs. Avg.		400 (24hrs)		
			11:12-15:10	15:10-19:07	19:14-23:08	23:08-03:00	03:08-07:02	07:02-11:04		<10.0	
			<10.0	<10.0	<10.0	<10.0	<10.0	11.2			

NABL Accredited				
Parameter	Unit	Test Protocol	Result	Regulatory Limit
Particulate Matter (PM _{2.5})	µg/m ³	USEPA CFR40	46	60 (24hrs)


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

JAMSHEDPUR CHLORO-CHEM PVT. LTD.

DIRECTOR

Page 2 of 2

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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: U74999JH2016PTC032225

TEST REPORT

Test Report No.	: ELES/RNC/2022/0731	Report Release Date	: 13.04.2022
CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: Jamshedpur Chlorochem Pvt. Ltd.	Sample Ref. No.	: ELES/RNC/2022/AA/0572
Address	: Plot No.-NS-88, VI th Phase	Location	: North East Corner of the Plant
	: Adityapur Industrial Area, Dist.- Saraikela Kharsawan	Sampling Date	: 22.03.2022 to 23.03.2022
Plant Status	: Operational	Sample Received Date	: 24.03.2022
Period of Analysis	: 24.03.2022 to 12.04.2022	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)	: 28	2	Barometric Pressure (mmHg)	: 749
3	Relative Humidity (%)	: 58	4	Weather Condition	: Clear
5	Longitude	: 86°07'16.98"E	6	Latitude	: 22°47'49.43"N


Non-Accredited				
Parameter	Unit	Test Protocol	Result	Regulatory Limit
Lead (Pb)*	µg/m ³	IS 5182 (Part-22): 2004	0.01	1 (24hrs)
Nickel (Ni)*	ng/m ³	SO-IN-MUL-TE-075	<2.0	20 (Annual)
Arsenic (As)*	ng/m ³	SO-IN-MUL-TE-075	3.6	6 (Annual)
Benzene (C ₆ H ₆)*	µg/m ³	ASTM D3687:2007	<2.0	5 (Annual)
Benzo(a)-Pyrene*	ng/m ³	USEPA 8270 C TO- 13A	0.98	1 (Annual)
Carbon Monoxide (CO)	mg/m ³	IS 5182(Part-10):1999 (NDIR Method)	1.14	2 (8hrs)

Remarks: 1, (*) - Parameters are not sourced to NABL Accredited Lab.


Authorized Signatory
SANDIP BERA
SENIOR MANAGER JAMSHEDPUR CHLOROCEM PVT. LTD.
ELES PVT. LTD.

****End of Report****


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


DIRECTOR

Page 1 of 1

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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: U74999MH2018PTC011125

TEST REPORT

Discipline	: Chemical	Group	: Atmospheric Pollution
Test Report No.	: ELES/RNC/2022/0732	Report Release Date	: 13.04.2022
ULR No.	: TC883922000000378F		

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: Jamshedpur Chlorochem Pvt. Ltd.	Sample Ref. No.	: ELES/RNC/2022/AA/0573
Address	: Plot No.-NS-88, VI th Phase Adityapur Industrial Area, Dist.- Saraikela Kharsawan	Location	: North West Corner of the Plant
		Sampling Date	: 22.03.2022 to 23.03.2022
Plant Status	: Operational	Sample Received Date	: 24.03.2022
		Type of Sample	: Ambient Air
Period of Analysis	: 24.03.2022 to 12.04.2022	Sampling Procedure	: ELES/DOC/SMPL/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 (%)	: 58	4	Weather Condition	: Clear
5	Longitude	: 86°07'16.98"E	6	Latitude	: 22°47'51.71"N

NABL Accredited									
Parameter	Unit	Test Protocol	Result				Regulatory Limit		
Particulate Matter (PM10)	µg/m ³	IS 5182 (Part-23):2006; RA2017	Duration			24hrs. Avg.	100 (24hrs)		
			10:30 - 18:25	18:32 - 02:32	02:47 - 10:30	79			
			85	72	80				
Sulphur Di-Oxide (SO ₂)	µg/m ³	IS 5182 (Part-2): 2001; RA2017	Duration				24hrs. Avg.	80 (24hrs)	
			10:30-14:42	14:42-18:25	18:32-22:28	22:28-02:32	02:47-06:32		7.3
			7.2	6.9	7.0	6.3	7.8		
Nitrogen Di-Oxide (NO ₂)	µg/m ³	IS 5182 (Part-6): 2001; RA2017	Duration				24hrs. Avg.	80 (24hrs)	
			10:30-14:42	14:42-18:25	18:32-22:28	22:28-02:32	02:47-06:32		20.5
			20.6	19.7	20.1	19.1	21.3		

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[Signature]
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ENVIRONMENTAL LABORATORIES &



PLOT NO-30, MANSAROVAR ENCLAVE, TUPUDANA
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Email: info@elespl.co.in, eles.ranchi@gmail.com

Phone no : 0651-2290103

Website : www.elespl.co.in

CO: U74999JH2018FTC011125

TEST REPORT

Discipline	: Chemical	Group	: Atmospheric Pollution
Test Report No.	: ELES/RNC/2022/0732	Report Release Date	: 13.04.2022
ULR No.	: TC883922000000378F		

NABL Accredited

Parameter	Unit	Test Protocol	Result				Regulatory Limit			
			Duration			24hrs. Avg.				
Ozone (O ₃)	µg/m ³	IS 5182 (Part-9): 1974; RA2014	Duration			24hrs. Avg.	100 (8hrs)			
			10:30 - 18:25	18:32 - 02:32	02:47 - 10:30	<20.0				
			<20.0	<20.0	<20.0					
Ammonia (NH ₃)	µg/m ³	401; Methods of Air Sampling & Analysis	Duration				24hrs. Avg.	400 (24hrs)		
			10:30-14:42	14:42-18:25	18:32-22:28	22:28-02:32	02:47-06:32		06:32-10:30	<10.0
			10.5	<10.0	<10.0	<10.0	10.2		<10.0	

NABL Accredited

Parameter	Unit	Test Protocol	Result	Regulatory Limit
Particulate Matter (PM _{2.5})	µg/m ³	USEPA CFR40	42	60 (24hrs)

Sandip Bera
Authorized Signatory
SANDIP BERA
SENIOR MANAGER
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

JAMSHEDPUR CHLOROCEM PVT. LTD.

Ausghar
DIRECTOR

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ENVIRONMENTAL LABORATORIES &

PLOT NO-30, MANSAROVAR ENCLAVE, TUPUDANA
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Phone no : 0651-2290103

Website : www.elespl.co.in

CIN: U74999JH2018PTC012125

TEST REPORT

Test Report No.	: ELES/RNC/2022/0732	Report Release Date	: 13.04.2022
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CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: Jamshedpur Chlorochem Pvt. Ltd.	Sample Ref. No.	: ELES/RNC/2022/AA/0573
Address	: Plot No.-NS-88, VI th Phase	Location	: North West Corner of the Plant
	: Adityapur Industrial Area,	Sampling Date	: 22.03.2022 to 23.03.2022
Plant Status	: Dist.- Saraikela Kharsawan	Sample Received Date	: 24.03.2022
	: Operational	Type of Sample	: Ambient Air
Period of Analysis	: 24.03.2022 to 12.04.2022	Sampling Procedure	: ELES/DOC/SMPL/02
		Sample Drawn By	: ELES Pvt. Ltd.
		Sample Condition	: Sealed & Preserved

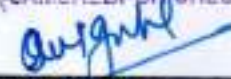
METEOROLOGICAL INFORMATION					
1	Average Temperature (°C)	: 28	2	Barometric Pressure (mmHg)	: 749
3	Relative Humidity (%)	: 58	4	Weather Condition	: Clear
5	Longitude	: 86°07'16.98"E	6	Latitude	: 22°47'51.71"N

Non-Accredited				
Parameter	Unit	Test Protocol	Result	Regulatory Limit
Lead (Pb)*	µg/m ³	IS 5182 (Part-22): 2004	<0.01	1 (24hrs)
Nickel (Ni)*	ng/m ³	SO-IN-MUL-TE-075	<2.0	20 (Annual)
Arsenic (As)*	ng/m ³	SO-IN-MUL-TE-075	3.7	6 (Annual)
Benzene (C ₆ H ₆)*	µg/m ³	ASTM D3687:2007	<2.0	5 (Annual)
Benzo(a)-Pyrene*	ng/m ³	USEPA 8270 C TO- 13A	0.89	1 (Annual)
Carbon Monoxide (CO)	mg/m ³	IS 5182(Part-10):1999 (NDR Method)	1.06	2 (8hrs)

Remarks: 1, (*) - Parameters are out sourced to NABL Accredited Lab.


 Authorized Signatory
SANDIP BERA
 SENIOR MANAGER
 ELES PVT. LTD.

****End of Report****
JAMSHEDPUR CHLOROCEM PVT. LTD.


 DIRECTOR


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

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PLOT NO-30, MANSAROVAR ENCLAVE, TUPUDANA
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Email: info@elespl.co.in, eles.ranchi@gmail.com

Phone no : 0651-2290103

Website : www.elespl.co.in

CIN: U72994WB2018PTC011125

TEST REPORT

Discipline	: Chemical	Group	: Atmospheric Pollution
Test Report No.	: ELES/RNC/2022/0733	Report Release Date	: 13.04.2022
ULR No.	: TC883922000000379F		

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: Jamshedpur Chlorochem Pvt. Ltd.	Sample Ref. No.	: ELES/RNC/2022/AA/0574
Address	: Plot No.-NS-88, VI th Phase	Location	: Near Transformer Room
	: Adityapur Industrial Area, Dist.- Saraikela Kharsawan	Sampling Date	: 22.03.2022 to 23.03.2022
Plant Status	: Operational	Sample Received Date	: 24.03.2022
Period of Analysis	: 24.03.2022 to 12.04.2022	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)	: 28	2	Barometric Pressure (mmHg)	: 749
3	Relative Humidity (%)	: 58	4	Weather Condition	: Clear
5	Longitude	: 86°07'19.93"E	6	Latitude	: 22°47'50.85"N

NABL Accredited									
Parameter	Unit	Test Protocol	Result				Regulatory Limit		
Particulate Matter (PM10)	µg/m ³	IS 5182 (Part-23):2006; RA2017	Duration			24hrs. Avg.	100 (24hrs)		
			10:45 - 18:50	18:58 - 02:50	02:57 - 10:40	83			
			83	74	88				
Sulphur Di-Oxide (SO ₂)	µg/m ³	IS 5182 (Part-2): 2001; RA2017	Duration				24hrs. Avg.	80 (24hrs)	
			10:45-14:51	14:51-18:50	18:58-22:49	22:49-02:50	02:57-06:51		8.2
			9.4	9.0	7.5	7.1	8.4		
Nitrogen Di-Oxide (NO ₂)	µg/m ³	IS 5182 (Part-6): 2001; RA2017	Duration				24hrs. Avg.	80 (24hrs)	
			10:45-14:51	14:51-18:50	18:58-22:49	22:49-02:50	02:57-06:51		22.5
			23.9	23.7	21.2	20.9	22.7		

JAMSHEDPUR CHLOROCEM PVT. LTD.

[Signature]
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Page 1 of 2

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ANNEXURE-4

EMP EXPENDITURE
PERIOD : 01.10.2019 TO 31.03.2022

REPAIR & MAINTENANCE FOR POLLUTION CONTROL EQUIPMENT:-

	<u>Particulars</u>	<u>Amount (Rs.)</u>	<u>Amount (Rs.)</u>
A)	Salary for Maintenance Staff from 01.10.2019 to 31.03.2022	17,58,139.00	
B)	Expenses incurred on Repair & Maint. period 01.10.2019 to 31.03.2022	<u>36,84,377.00</u>	54,42,516.00

PLANTATION EXPENSES FOR POLLUTION CONTROL MEASURES:-

A)	Salary for Gardener from 01.10.2019 to 31.03.2022	3,00,000.00	
B)	Tree Plantation Expenses from 01.10.2019 to 31.03.2022	<u>63,000.00</u>	3,63,000.00
		Total	<u><u>58,05,516.00</u></u>



ENVIRONMENTAL LABORATORIES &



PLOT NO-30, MANSAROVAR ENCLAVE, TUPUDANA
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Email: info@elespl.co.in, eles.ranchi@gmail.com

Phone no : 0651-2290103

Website : www.elespl.co.in

CIN: U74999JH2018PTC012225

TEST REPORT


Discipline	: Chemical	Group	: Atmospheric Pollution
Test Report No.	: ELES/RNC/2022/0733	Report Release Date	: 13.04.2022
U.L.R No.	: TC883922000000379F		

NABL Accredited


Parameter	Unit	Test Protocol	Result				Regulatory Limit			
			Duration			24hrs. Avg.				
Ozone (O ₃)	µg/m ³	IS 5182 (Part-9): 1974; RA2014	Duration			24hrs. Avg.	100 (8hrs)			
			10:45 - 18:50	18:58 - 02:50	02:57 - 10:40	<20.0				
			<20.0	<20.0	<20.0					
Ammonia (NH ₃)	µg/m ³	401: Methods of Air Sampling & Analysis	Duration				24hrs. Avg.	400 (24hrs)		
			10:45-14:51	14:51-18:50	18:58-22:49	22:49-02:50	02:57-06:51		06:51-10:40	<10.0
			10.8	<10.0	<10.0	<10.0	11.1		<10.0	

NABL Accredited

Parameter	Unit	Test Protocol	Result	Regulatory Limit
Particulate Matter (PM _{2.5})	µg/m ³	USEPA CFR40	47	60 (24hrs)


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

JAMSHEDPUR CHLORO CHEM PVT. LTD.

DIRECTOR



ENVIRONMENTAL LABORATORIES &

PLOT NO-30, MANSAROVAR ENCLAVE, TUPUDANA
HATIA, RANCHI-834003 (JHARKHAND)
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Phone no : 0651-2290103

Website : www.elespl.co.in

CIN: U24999JH2018PTC012225

TEST REPORT

Test Report No.	: ELES/RNC/2022/0733	Report Release Date	: 13.04.2022
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CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: Jamshedpur Chlorochem Pvt. Ltd.	Sample Ref. No.	: ELES/RNC/2022/AA/0574
Address	: Plot No.-NS-88, VI th Phase	Location	: Near Transformer Room
	: Adityapur Industrial Area, Dist.- Saraikela Kharsawan	Sampling Date	: 22.03.2022 to 23.03.2022
Plant Status	: Operational	Sample Received Date	: 24.03.2022
Period of Analysis	: 24.03.2022 to 12.04.2022	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)	: 28	2	Barometric Pressure (mmHg)	: 749
3	Relative Humidity (%)	: 58	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
Lead (Pb)*	µg/m ³	IS 5182 (Part-22): 2004	<0.01	1 (24hrs)
Nickel (Ni)*	ng/m ³	SO-IN-MUL-TE-075	<2.0	20 (Annual)
Arsenic (As)*	ng/m ³	SO-IN-MUL-TE-075	2.5	6 (Annual)
Benzene (C ₆ H ₆)*	µg/m ³	ASTM D3687:2007	2.50	5 (Annual)
Benzo(a)-Pyrene*	ng/m ³	USEPA 8270 C TO- 13A	0.90	1 (Annual)
Carbon Monoxide (CO)	mg/m ³	IS 5182(Part-10):1999 (NDIR Method)	1.28	2 (8hrs)

Remarks: 1. (*) - Parameters are out sourced to NABL Accredited Lab.


 Authorized Signatory
SANDIP BERA
 SENIOR MANAGER
 ELES PVT. LTD.

****End of Report****

JAMSHEDPUR CHLOROCEM PVT. LTD.


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

DIRECTOR Page 1 of 1

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ENVIRONMENTAL LABORATORIES &



PLOT NO-30, MANSAROVAR ENCLAVE, TUPUDANA
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Phone no : 0651-2290103

Website : www.elespl.co.in

CIN: U74999JH2028PTC011720

TEST REPORT

Discipline	: Chemical	Group	: Atmospheric Pollution
Test Report No.	: ELES/RNC/2022/0734	Report Release Date	: 13.04.2022
ULR No.	: TC883922000000380F		

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: Jamshedpur Chlorochem Pvt. Ltd.	Sample Ref. No.	: ELES/RNC/2022/AA/0575
Address	: Plot No.-NS-88, VI th Phase Adityapur Industrial Area, Dist.- Saraikela Kharsawan	Location	: Roof of the Office
Plant Status	: Operational	Sampling Date	: 22.03.2022 to 23.03.2022
Period of Analysis	: 24.03.2022 to 12.04.2022	Sample Received Date	: 24.03.2022
		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)	: 28	2	Barometric Pressure (mmHg)	: 749
3	Relative Humidity (%)	: 58	4	Weather Condition	: Clear
5	Longitude	: 86°07'16.98"E	6	Latitude	: 22°47'49.43"N

NABL Accredited									
Parameter	Unit	Test Protocol	Result				Regulatory Limit		
Particulate Matter (PM10)	µg/m ³	IS 5182 (Part-25):2006; RA2017	Duration			24hrs. Avg.	100 (24hrs)		
			11:00 - 19:01	19:08 - 03:09	03:16 - 11:00	62			
			66	61	59				
Sulphur Di-Oxide (SO ₂)	µg/m ³	IS 5182 (Part-2): 2001; RA2017	Duration				24hrs. Avg.	80 (24hrs)	
			11:00- 15:00	15:00- 19:01	19:08- 23:00	23:00- 03:09	03:16 - 07:05		7.3
			9.0	7.5	7.0	6.8	6.0		
Nitrogen Di-Oxide (NO ₂)	µg/m ³	IS 5182 (Part-6): 2001; RA2017	Duration				24hrs. Avg.	80 (24hrs)	
			11:00- 15:00	15:00- 19:01	19:08- 23:00	23:00- 03:09	03:16 - 07:05		20.8
			23.3	20.9	20.5	19.4	19.2		

JAMSHEDPUR CHLORO-CHEM PVT. LTD.

Ausankh
DIRECTOR

Page 1 of 2

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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

CW: U74999MH2020FTC021125

TEST REPORT

Discipline	: Chemical	Group	: Atmospheric Pollution
Test Report No.	: ELES/RNC/2022/0734	Report Release Date	: 13.04.2022
ULR No.	: TC883922000000380F		

NABL Accredited

Parameter	Unit	Test Protocol	Result				Regulatory Limit		
			Duration			24hrs. Avg.			
Ozone (O ₃)	µg/m ³	IS 5182 (Part-9): 1974; RA2014	Duration			24hrs. Avg.	100 (8hrs)		
			11:00 - 19:01	19:08 - 03:09	03:16 - 11:00	<20.0			
			<20.0	<20.0	<20.0				
Ammonia (NH ₃)	µg/m ³	401; Methods of Air Sampling & Analysis	Duration				24hrs. Avg.	400 (24hrs)	
			11:00-15:00	15:00-19:01	19:08-23:00	23:00-03:09	03:16 - 07:05		<10.0
			<10.0	10.8	<10.0	<10.0	<10.0		

NABL Accredited

Parameter	Unit	Test Protocol	Result	Regulatory Limit
Particulate Matter (PM _{2.5})	µg/m ³	USEPA CFR40	34	60 (24hrs)

Sandip Bera
Authorized Signatory
SANDIP BERA
SENIOR MANAGER
ELES PVT. LTD.

****End of Report****

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

Autograph
DIRECTOR
JAMSHEDPUR CHLORO CHEM PVT. LTD.

Page 2 of 2

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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: U74999JH2018PTC011225

TEST REPORT

Test Report No.	: ELES/RNC/2022/0734	Report Release Date	: 13.04.2022
-----------------	----------------------	---------------------	--------------

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: Janshedpur Chlorochem Pvt. Ltd.	Sample Ref. No.	: ELES/RNC/2022/AA/0575
Address	: Plot No.-NS-88, VI th Phase	Location	: Roof of the Office
	: Adityapur Industrial Area, Dist.- Saraikela Kharsawan	Sampling Date	: 22.03.2022 to 23.03.2022
Plant Status	: Operational	Sample Received Date	: 24.03.2022
		Type of Sample	: Ambient Air
Period of Analysis	: 24.03.2022 to 12.04.2022	Sampling Procedure	: ELES/DOC/SMPL/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 (%)	: 58	4	Weather Condition	: Clear
5	Longitude	: 86°07'16.98"E	6	Latitude	: 22°47'49.43"N

Non-Accredited				
Parameter	Unit	Test Protocol	Result	Regulatory Limit
Lead (Pb)*	µg/m ³	IS 5182 (Part-22): 2004	<0.01	1 (24hrs)
Nickel (Ni)*	ng/m ³	SO-IN-MUL-TE-075	<2.0	20 (Annual)
Arsenic (As)*	ng/m ³	SO-IN-MUL-TE-075	3.3	6 (Annual)
Benzene (C ₆ H ₆)*	µg/m ³	ASTM D3687:2007	4.20	5 (Annual)
Benzo(a)-Pyrene*	ng/m ³	USEPA 8270 C TO- 13A	0.88	1 (Annual)
Carbon Monoxide (CO)	mg/m ³	IS 5182(Part-10):1999 (NDIR Method)	1.0	2 (8hrs)

Remarks: 1. (*) - Parameters are out sourced to NABL Accredited Lab.

Sandip Bera
Authorized Signatory
SANDIP BERA
SENIOR MANAGER
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

Director
DIRECTOR Page 1 of 1

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CIN: U74999JH2018PTC012125

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

TC-0027

TEST REPORT

Discipline	: Chemical	Group	: Atmospheric Pollution
Test Report No.	: ELES/RNC/2022/0735	Report Release Date	: 13.04.2022
ULR No.	: TC883922000000381F		

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: Jamshedpur Chlorochem Pvt. Ltd.	Sample Ref. No.	: ELES/RNC/2022/SM/0576
Address	: Plot No.-NS-88, VI th Phase	Location	: Bag Filter Stack
	Adityapur Industrial Area,	Sampling Date	: 22.03.2022
Plant Status	Dist.- Saraikela Kharsawan	Sample Received Date	: 23.03.2022
	: Operational	Type of Sample	: Flue Gas
Period of Analysis	: 23.03.2022 to 31.03.2022	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
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 and 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

JAMSHEDPUR CHLOROCEM PVT. LTD.

DIRECTOR

Page 1 of 2

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CIN: U74999JH2018PTC011125

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



TEST REPORT

Discipline	: Chemical	Group	: Atmospheric Pollution
Test Report No.	: ELES/RNC/2022/0735	Report Release Date	: 13.04.2022
ULR No.	: TC883922000000381F		

NABL Accredited

Parameter	Unit	Test Protocol	Result
Particulate Matter (PM)	mg/Nm ³	IS 11255(Part 1):1985; RA 2014	43
Oxides of Nitrogen (NO _x)	mg/Nm ³	IS 11255 (Part-7):2005	BDL (LDL:40.0)
Flue Gas Temperature	°C	IS 11255 (Part 3): 2008; RA 2018	58
Barometric Pressure	mmHg	IS 11255 (Part 3): 2008; RA 2018	745
Velocity of Flue Gas	m/sec	IS 11255 (Part 3): 2008; RA 2018	6.66
Quantity of Gas Flow	Nm ³ /hr	IS 11255 (Part 3): 2008; RA 2018	13102

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

JAMSHEDPUR CHLOROCEM PVT. LTD.

DIRECTOR

Page 2 of 2

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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: U74999JH2018PT021125

TEST REPORT

Test Report No. : ELES/RNC/2022/0735	Report Release Date : 13.04.2022
--------------------------------------	----------------------------------

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: Jamshedpur Chlorochem Pvt. Ltd	Sample Ref. No.	: ELES/RNC/2022/SM/0576
Address	: Plot No.-NS-88, VI th Phase	Location	: Bag Filter Stack
	Adityapur Industrial Area,	Sampling Date	: 22.03.2022
	Dist.- Saraikela Kharsawan	Sample Received Date	: 23.03.2022
Plant Status	: Operational	Type of Sample	: Flue Gas
Period of Analysis	: 23.03.2022 to 31.03.2022	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
2	Emission Due to : Process Activity
3	Stack Connected to : Reactor Vessels
4	Material of Construction of Duct : MS
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 and 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

JAMSHEDPUR CHLOROCEM PVT. LTD.

Autograph
DIRECTOR

Page 1 of 2

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ENVIRONMENTAL LABORATORIES &

PLOT NO-30, MANSAROVAR ENCLAVE, TUPUDANA
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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: U74900JH2020PT0011225


TEST REPORT

Test Report No. : ELES/RNC/2022/0735

Report Release Date : 13.04.2022

Non-Accredited

Parameter	Unit	Test Protocol	Result
Sulphur Di-Oxide (SO ₂)	mg/Nm ³	USEPA 6A	10.0


 Authorized Signatory
SANDIP BERA
 SENIOR MANAGER
 ELES PVT. LTD.

****End of Report****


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

JAMSHEDPUR CHLORO CHEM PVT. LTD.


 DIRECTOR

Page 2 of 2

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ANNEXURE-7



aarogyamm
A STEP AHEAD IN DIAGNOSTICS
 An ISO 9001:2015 Certified Laboratory

AAROgyamm

Regd. Off:-05, M P TOWER, ADITYAPUR
 Laboratory:- D10-11, Dayal Trade Center,
 ADITYAPUR MAIN ROAD,
 JAMSHEDPUR-831013
 Phone: 7004249021/9934157000

INVOICE

Invoice To:		Invoice No		ASW-68/21-22	
JAMSHEDPUR CHOLOROCHEM PVT. LTD.		Date of Invoice		24.11.21	
NS-88, VI PHASE, ADITYAPUR IND AREA, GAMHARIA		Purchase Order No		Through Mail	
GSTIN:- 20AABCJ2158A1ZF		P O Dated			
		TEST ON		21.11.21	
S.No.	Description	Code	Rate per Unit(INR)	Qty(Nos)	Amount
1	ANNUAL HEALTH CHECK-UP	1,548.00	25	38,700.00
Grand Total					38,700.00

Amount Chargeable (In words):- Thirty Eight Thousand Seven hundred Only.

Bank Details	Receiver's Sign & Stamp	For Aarogyamm
Chq/DD in Favour of :- AAROgyamm		
Bank Name :- Bank Of Baroda		
A/C No. :- 35850200000082		
Branch :- ADITYAPUR		
IFS Code :- BARB0ADITYA		
Account Type :- Current Account		
PAN NO :- AAOFA6491P		Authorised Signature

JAMSHEDPUR CHOLOROCHEM PVT. LTD.

Signature
 DIRECTOR

JAMSHEDPUR CHLOROCEM PVT. LTD.NS-88, 6TH PHASE, ADITYAPUR INDUSTRIAL AREA,
GAMHARIA, SARAIKELA - KHARSWAN - 832108

GSTIN :- 20AABCJ2158A1ZF

Sl. No.	Name
1	AHILYA NAYAK
2	BEHULA MUDI
3	BINANDA ROUTH
4	BUDHANI ORAON
5	DASMI KHALKHO
6	HARI RAWANI
7	JOSNA MUNDA SARDAR
8	KRISHNA LOHAR
9	LACHHO KHALKHO
10	SABITA KAIBARTA
11	SANTOSH MAHATO
12	SARSWATI RUIDAS
13	SAVITRA KERKETA
14	SHANKAR MAHATO
15	SHYAM GAGRAI
16	SONKA GOSWAMI
17	SUCHITRA DEVI
18	SULEKHA GIRI
19	SUNITA KHALKHO
20	URMILA KAIVART
21	SURAJIT MANDAL
22	SUBRATA BADYAKAR
23	SHASHIKANT YADAV
24	RAJU RAWANI
25	MANI LAL



JAMSHEDPUR CHLOROCEM PVT. LTD.

Autograph
DIRECTOR

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-21 to 31-Mar-22

Page 1

Date	Particulars	Vch Type	Vch No.	Debit	Credit
8-Apr-21	To PK Traders	Journal	27	3,000.00	
12-Apr-21	To Gamaria Trade Centre	Journal	35	250.00	
14-Apr-21	To Gamaria Trade Centre	Journal	39	1,020.00	
21-Apr-21	To Gamaria Trade Centre	Journal	54	510.00	
23-Apr-21	To PK Traders	Journal	58	3,300.00	
5-May-21	To M. R. Enterprises	Journal	104	10,620.00	
6-May-21	To Gamaria Trade Centre	Journal	107	510.00	
11-May-21	To PK Traders	Journal	112	3,300.00	
	To Gamaria Trade Centre	Journal	113	2,250.00	
24-May-21	To PK Traders	Journal	134	3,300.00	
31-May-21	To PK Traders	Journal	146	1,488.00	
2-Jun-21	To M. R. Enterprises	Journal	172	13,050.00	
	To M. R. Enterprises	Journal	173	9,900.00	
9-Jun-21	To PK Traders	Journal	180	3,300.00	
19-Jun-21	To PK Traders	Journal	205	3,300.00	
25-Jun-21	To PK Traders	Journal	219	3,300.00	
3-Jul-21	To M. R. Enterprises	Journal	262	10,800.00	
	To Gamaria Trade Centre	Journal	264	900.00	
7-Jul-21	To PK Traders	Journal	274	3,300.00	
15-Jul-21	To PK Traders	Journal	300	3,300.00	
17-Jul-21	To PK Traders	Journal	305	3,600.00	
20-Jul-21	To PK Traders	Journal	308	10,800.00	
21-Jul-21	To PK Traders	Journal	313	3,300.00	
	To Gamaria Trade Centre	Journal	316	2,250.00	
31-Jul-21	To PK Traders	Journal	347	3,300.00	
10-Aug-21	To PK Traders	Journal	395	14,400.00	
12-Aug-21	To PK Traders	Journal	405	3,300.00	
23-Aug-21	To PK Traders	Journal	434	3,300.00	
30-Aug-21	To PK Traders	Journal	453	3,300.00	
8-Sep-21	To PK Traders	Journal	501	14,400.00	
10-Sep-21	To PK Traders	Journal	505	5,220.00	
22-Sep-21	To PK Traders	Journal	537	3,300.00	
4-Oct-21	To PK Traders	Journal	603	2,200.00	
8-Oct-21	To PK Traders	Journal	616	3,420.00	
20-Oct-21	To PK Traders	Journal	638	21,600.00	
22-Oct-21	To PK Traders	Journal	642	3,420.00	
23-Oct-21	To Saikh Saiful	Journal	645	6,200.00	
10-Nov-21	To PK Traders	Journal	716	1,044.00	
18-Nov-21	To PK Traders	Journal	741	2,400.00	
20-Nov-21	To Safety & Life Saving Services	Journal	745	9,600.00	

Carried Over

2,01,052.00

JAMSHEDPUR CHLOROCEM PVT. LTD.

Signature
DIRECTOR

continued ...

Date	Particulars	Vch Type	Vch No.	Debit	Credit
	Brought Forward			2,01,052.00	
2-Dec-21	To PK Traders	Journal	825	3,300.00	
14-Dec-21	To PK Traders	Journal	878	5,220.00	
23-Dec-21	To PK Traders	Journal	907	3,300.00	
4-Jan-22	To PK Traders	Journal	963	3,300.00	
18-Jan-22	To PK Traders	Journal	1003	4,740.00	
	To M. R. Enterprises	Journal	1005	10,800.00	
21-Jan-22	To PK Traders	Journal	1015	5,400.00	
28-Jan-22	To PK Traders	Journal	1035	3,300.00	
8-Feb-22	To PK Traders	Journal	1091	4,812.00	
11-Feb-22	To PK Traders	Journal	1102	1,240.00	
14-Feb-22	To PK Traders	Journal	1114	12,600.00	
22-Feb-22	To PK Traders	Journal	1161	3,300.00	
2-Mar-22	To PK Traders	Journal	1216	3,300.00	
15-Mar-22	To PK Traders	Journal	1273	3,300.00	
21-Mar-22	To PK Traders	Journal	1286	2,016.00	
22-Mar-22	To Angel Wings	Journal	1293	20,343.00	
				2,91,323.00	
By	Closing Balance				2,91,323.00
				2,91,323.00	2,91,323.00

JAMSHEDPUR CHLOROCEM PVT. LTD.



DIRECTOR

Jamshedpur Chlorochem Pvt. Ltd.

NS-88, VIth Phase

Adityapur Industrial Area

Gamharia-832108

JHARKHAND (JH)

CIN - U24220JH1999PTC008858

PPE (Cash Pur.)

Ledger Account

1-Apr-21 to 31-Mar-22

Page 1

Date	Particulars	Vch Type	Vch No.	Debit	Credit
3-Apr-21	To Cash	Payment	41	250.00	
23-Apr-21	To Cash	Payment	326	1,440.00	
	To Cash	Payment	327	504.00	
18-May-21	To Cash	Payment	617	1,440.00	
3-Jul-21	To Cash	Payment	1258	800.00	
10-Jul-21	To Cash	Payment	1357	3,045.00	
8-Sep-21	To Cash	Payment	2313	2,700.00	
3-Nov-21	To Cash	Payment	3128	3,650.00	
23-Feb-22	To Cash	Payment	4688	2,400.00	
				16,229.00	
By	Closing Balance				16,229.00
				16,229.00	16,229.00

JAMSHEDPUR CHLOROCEM PVT. LTD.


DIRECTOR

ANNEXURE-9



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 : jsrchlorochem@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.

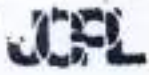
JAMSHEDPUR CHLOROCEM PVT. LTD.


Director

1

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

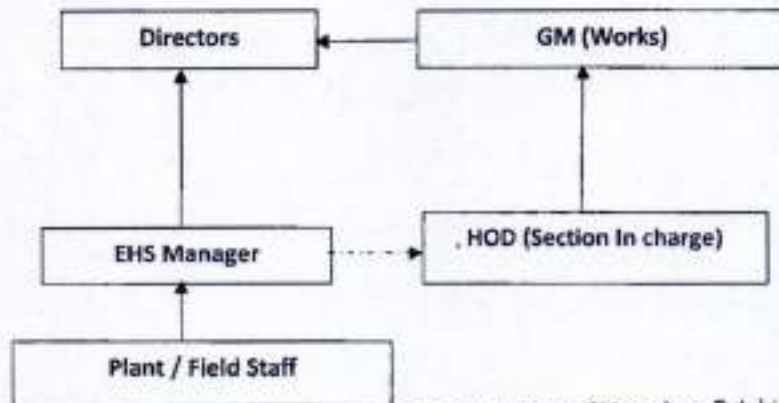
Cell : 9431182371, 9031992253, E-mail : jsrchlorochem@gmail.com

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.

Manoj Gutgia
For and on behalf of Director.

JAMSHEDPUR CHLOROCEM PRIVATE LIMITED

MR. MANOJ GUTGUTIA
(Director)

DIN: 02823680

JAMSHEDPUR CHLOROCEM PVT. LTD.

Manoj Gutgia
Director

JAMSHEDPUR CHLOROCEM PVT. LTD.

Manoj Gutgia
DIRECTOR



JAMSHEDPUR CHLOROCEM PVT. LTD.

NS-88, VITH PHASE, ADITYAPUR INDUSTRIAL AREA
GAMHARIA, SARAİKELA-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.

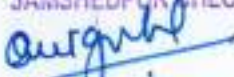
Date: 20.11.2019

Manoj Kumar Gutgutia
Managing Director

JAMSHEDPUR CHLOROCEM PVT. LTD.


Director

JAMSHEDPUR CHLOROCEM PVT. LTD.


DIRECTOR

ANNEXURE-10

ANNEXURE-4

EMP EXPENDITURE PERIOD : 01.10.2021 TO 31.03.2022

REPAIR & MAINTENANCE FOR POLLUTION CONTROL EQUIPMENT:-

	<u>Particulars</u>	<u>Amount (Rs.)</u>	<u>Amount (Rs.)</u>
A)	Salary for 6 month of 4 Maintenance Staff	4,34,139.00	
B)	Expenses incurred on Repair & Maint. period 01.10.2021 to 31.03.2022	<u>14,40,052.00</u>	18,74,191.00

PLANTATION EXPENSES FOR POLLUTION CONTROL MEASURES:-

A)	Salary for Gardener 6 months	72,000.00	
B)	Tree Plantation Expenses	<u>47,105.00</u>	1,19,105.00
		Total	<u><u>19,93,296.00</u></u>

JAMSHEDPUR CHLOROCEM PVT. LTD.
Autograph
DIRECTOR

FORM-V

ENVIRONMENTAL STATEMENT REPORT FOR THE YEAR ENDING 31ST MARCH 2022

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 - Gamharia- 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 : **14.06.2021**

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 2020-21	During the current financial year 2021-22
FERRO CHROME / FERRO-MANGANESE	Nil (Production-1658.310 MT)	Nil (Production-2,609.624 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 2020-21 Total Production (Low Carbon Ferro Chrome): 1658.310 Tons	During the current financial year 2021-22 Total Production (Low Carbon Ferro Chrome): 2609.624 Tons
CHROME ORE	2.08 T/T	2.25 T/T
ALUMINIUM POWDER	0.25 T/T	0.33 T/T
ALUMINIUM SCRAP	0.53 T/T	0.52 T/T
M.S SCRAP	0.10 T/T	0.10 T/T

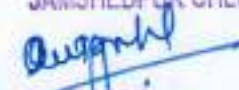
PART- C**POLLUTION DISCHARGED TO ENVIRONMENT /UNIT OF OUTPUT (PARAMETER AS SPECIFIED IN THE CONSENT ISSUED)**

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 2021-22
(a) From process	Nil
(b) From Pollution Control	24.300 MT

JAMSHEDPUR CHLOROCEM PVT. LTD.



 DIRECTOR

PART -E
SOLID WASTES

Solid waste	Total Quality (t/year)	
	During the Current Financial year 2020-21	During the Current Financial year 2021-22
a)From process Slag (FN+LC)	3062.550 T	5371.980 T
(b) From pollution Control facility	8,990 MT APCD Dust given to Adityapur Waste Management Pvt. Ltd.	24,300 MT APCD Dust given to Adityapur Waste Management Pvt. Ltd.
Quantities recycled Or reutilized	958.160 M.T.	1291.610 M.T.
. Sold . Disposed	2099.400 M.T.	4018.190 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.

JAMSHEDPUR CHLORO CHEM PVT. LTD.

Signature

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 01.10.2021 to 31.03.2022 is Rs. 19,93,296.00 & 01.10.2019 to 31.03.2022 is Rs. 58,05,516.00.

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 CHLOROCEM PVT. LTD.


DIRECTOR

Signature of Applicant

JAMSHEDPUR CHLOROCEM PVT. LTD.


DIRECTOR



**JAMSHEDPUR CHLOROCEM
PRIVATE LIMITED**

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

14 June, 2021

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,

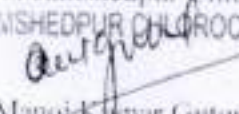
We have obtained environment clearance and NOC/CTE from the concerned authorities prior to starting the work at site. All mandatory clearances, authorizations and permission obtained prior to commissioning and operation of the plant.


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 1st October 2020 to 31st March 2021 to the specified authorities. The same is enclosed for your information.

Thanking you,

Yours Faithfully,

For Jamshedpur Chlorochem Pvt. Ltd.
JAMSHEDPUR CHLOROCEM PVT. LTD.


(Mansi Kumar Gutgutia)
Director



JAMSHEDPUR CHLOROCEM PVT. LTD.
10, JAMSHEDPUR RD, JAMSHEDPUR
CUMMER HILL, JAMSHEDPUR, JHARKHAND
INDIA - 831013
Ph: 0657-2951325
Fax: 0657-2951325
E-mail: info@jchchem.com
www.jchchem.com

Enclosure: Compliance Report for the period 01.10.2020 to 31.03.2021 with Annexures

JAMSHEDPUR CHLOROCEM PVT. LTD.


DIRECTOR



**JAMSHEDPUR CHLOROCEM
PRIVATE LIMITED**

Manufacturers of Low Carbon Ferro Alloys
L.C. Ferro Manganese & Ferro Chromi Powder
CIN: U24220JH1999PTC008858

14 June, 2021

Thru Speed Post

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

Dear Sir,

Sub: **Regarding compliance of Environmental Clearance conditions.**

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-3911700/2020/1735 DTD. 18.10.2020 and valid up to 30.09.2025**

We are pleased to enclosed herewith the followings:

- a) Environmental Statement for the year ending 31.03.2021
- b) Ambient Air & Noise Test Report

Kindly acknowledge the receipt & oblige.

Thanking you,

Yours Faithfully,

For Jamshedpur Chlorochem Pvt. Ltd.

(Manoj Kumar Gutgutia)

Director

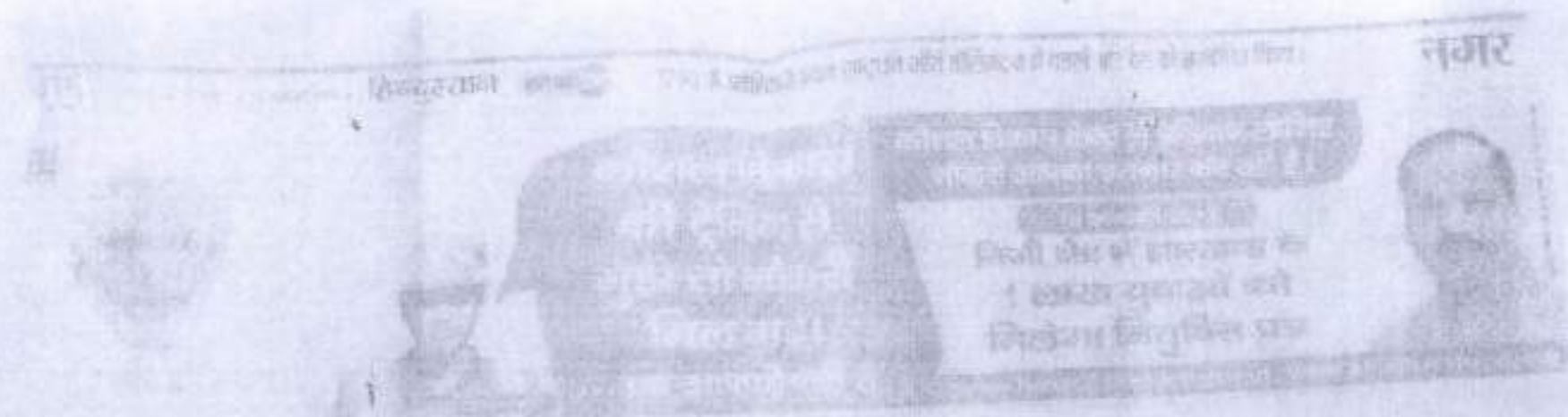
Encl : As Above

Documents delivered thru Speed Post
along with Compliance of Environmental
clearance.

JAMSHEDPUR CHLOROCEM PVT. LTD.

DIRECTOR

DIRECTOR
Outgulf
JAMSHEDPUR CHLOROCEM PVT. LTD.



JAMSHEDPUR CHLOROCEM PVT. LTD.

NOTICES

The M/s JAMSHEDPUR CHLOROCEM PVT. LTD. has been incorporated in India under the Companies Act, 1956 (as amended) and is registered with the Ministry of Companies Registration & Control, Government of India, New Delhi and F. No. 2/1955-1956 dated 28.02.56, dated 28.12.1955 in India and is a public company. The registered office of the company is at 200, TPO, Feroz Road, Jharia, District, Jharkhand, India. The office of the company is at 200, TPO, Feroz Road, Jharia, District, Jharkhand, India. The office of the company is at 200, TPO, Feroz Road, Jharia, District, Jharkhand, India. The office of the company is at 200, TPO, Feroz Road, Jharia, District, Jharkhand, India.

Director

For Jamshedpur Chlorochem Pvt. Ltd.

JAMSHEDPUR CHLOROCEM PVT. LTD.

Outgulf
Director

ANNEXURE - 12

ANNEXURE-13

ANNEXURE-13

hindustan times | nation | 09

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 Government Forest & Climate Change, Government of India, New Delhi vide F. No. J-11011/459/2017-V-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-98, V/II Phase, Adityapur Industrial Area, Ganhars - 832103, District Bokaro-Kharwar, Jharkhand and copies of the clearance letter are available with the AYDA, Municipal Council, Adityapur, Jharkhand State Pollution Control Board (SPCB), Head Office at Ranchi & Regional Office at Adityapur DC office, Seraikei-Kharwar and may also be seen at Website of the Ministry of Environment and Forests, New Delhi at <http://parvesth.nic.in>

Date: 07.01.2019
For Jamshedpur Chlorochem Pvt.Ltd

Director

 JAMSHEDPUR CHLOROCEM PVT. LTD.

JAMSHEDPUR CHLOROCEM PVT. LTD.

 DIRECTOR

ANNEXURE-14

ANNEXURE-14

JCL 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 jrcchlorochem@gmail.com
CIN U24220JH1999PTC008856

07.01.2019

ofc

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 Kumar Gutgutia

(Manoj Kumar Gutgutia)

Director

Encl : As above.

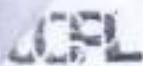
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07/01/19, 11:05 AM
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JAMSHEDPUR CHLOROCEM PVT. LTD.

Manoj Kumar Gutgutia
Director

JAMSHEDPUR CHLOROCEM PVT. LTD.

Manoj Kumar Gutgutia
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 jrchlorochem@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

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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.

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

07.01.2019

T/e

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, Vith Phase, Adityapur Industrial Area, Gamharia - 832 108, District Seraikela-Kharsawan

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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

JAMSHEDPUR CHLOROCEM PVT. LTD.

Manoj Kumar Gutgutia
DIRECTOR

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, 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,

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This is for your information and needful

Thanking you.

Yours Sincerely

For Jamshedpur Chlorochem Pvt.Ltd.

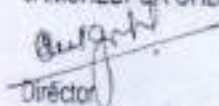


(Manoj Kumar Gutgutia)

Director

Encl : As above.

JAMSHEDPUR CHLOROCEM PVT. LTD.


Director

JAMSHEDPUR CHLOROCEM PVT. LTD.


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.**

Sir,

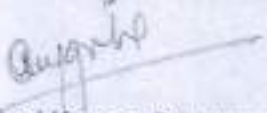
With reference to above and as directed by the above mentioned Environmental Clearance condition, please find enclosed copy of our EC Letter **F. No. J-11011/459/2017-IA II (I)**, dated **24.12.2018**, as granted by MoEF & CC, New Delhi for establishment of 3600 TPA LC Ferro Chrome/or LC Ferro Manganese, 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**)

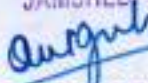
Director

Encl : As above.

JAMSHEDPUR CHLOROCEM PVT. LTD.


Director

JAMSHEDPUR CHLOROCEM PVT. LTD.


DIRECTOR





ADITYAPUR AUTO CLUSTER

(Registered under Section 25 of the Companies Act, 1956)

Under the Aegis of Ministry of Commerce & Industry, Govt. of India

CIN NO. : U73200JH2005NPL011121

GST NO. : 20AAGCA0847E1ZB

Regd. Off: Hi-Tech Lab & Business Centre : Plot No. : 41 & 45 (P), Tata Kandra Main Road, (Near Adityapur Toll Bridge Junction), AIA, Jamshedpur.

E-mail : adityapurcluster@gmail.com

Ref No :- AAC/MD/05/02-22

Dated :- 09-02-2022

Certificate

This is to certify that **M/s Jamshedpur Chlorochem Private Limited** Plot No :- NS-88, Vith Phase, Adityapur Industrial Area, Gamharia - 832108. have supplied as the following saplings for plants & trees on free of cost,

Sl. No.	Name of the Trees & Plants	Qty
1.	Mango Tree	25
2.	Coconut Tree	25
3.	Guava Tree	25
4.	Ashok Tree	100
5.	Karanj Tree	25
6.	lemon Plant	25
7.	Gulmohar Plant, Jarul Plant, Bahunia Plant, Tecoma Plant	75
	Total	300

We have planted all the above in our premises. Adityapur Auto Cluster is very much thankful to the management of Jamshedpur Chlorochem Private Limited.

For Adityapur Auto Cluster

S.N.Thakur
(Managing Director)



JAMSHEDPUR CHLOROCEM PVT. LTD.

Signature
DIRECTOR

Projects : Hi-tech Lab & Business Centre.

- Common Effluent Treatment Plant at - Plot No. M (8, 13), Large Sector (Behind Caparo), Adityapur Industrial Area, Gamharia, Jamshedpur
- Hazardous Waste Treatment Plant at - Plot No. 43, 59-61, Dugni, Seraikela-Kharsawan. (Contact - 0657 - 2200144)



JAMSHEDPUR CHLOROCEM PVT. LTD.

August
DIRECTOR