JAYASWAL NECO INDUSTRIES LTD

CIN: L28920MH1972PLC016154

(STEEL PLANT DIVISION)

SILTARA GROWTH CENTRE, BILASPUR ROAD, SILTARA, RAIPUR - 493111 (C.G.) - INDIA

PH.: +91-7721-264241, 264263 Fax: +91+7721-264279, 264240 Email: spd@necoindia.com







JNIL/ENV/Metabodeli/25 Ha./2024/ % %

Date: 31/05/2024

The Regional Officer, Integrated Regional Office, MoEF & CC, Govt. of India, Aranya Bhawan, North Block, Sector-19, Nava Raipur, Atal Nagar, Chhattisgarh.

Sub:- Six Monthly EC Compliance Report for the period 1st Oct, 2023 to 31st March, 2024 of Metabodeli Open Cast Iron Ore Mine with production capacity 1.0 Million TPA, located near village - Metabodeli, Tehsil-Pakhanjur, District-Kanker (Chhattisgarh).

Ref: 1. E.C. Vide Order No.64/SEIAA, C.G./Mine/Kanker/557 Naya Raipur dated.17/04/2017.

2. Amendment EC Vide Order No.338/SEIAA, C.G./Mine/Kanker /557, Naya Raipur Dated.11/07/2017.

Sir,

This has with reference to the above referred letter on the subject matter. Please find enclosed herewith the Six-Monthly Environmental Clearance Compliance Report of Metabodeli Iron Ore Mine, village - Metabodeli, Tehsil-Pakhanjur, District-Kanker (Chhattisgarh) for the period 1st Oct, 2023 to 31st March, 2024. We had also tried to submit online Six-Monthly EC compliance report on Parivesh 2.0 but it could not be submitted online due to some unknown problem on Parivesh Portal.

This is for your kind information please.

Thanking you,

Yours faithfully,

For Jayaswal Neco Industries Ltd.

Susantá Kumar Moitra Associate Director

Encl: As above.

CC to:

The Member Secretary,
 Chhattisgarh Environmental Conservation Board,
 Paryavas Bhavan, North Block Sector-19,
 Atal Nagar, Raipur(C.G.) 490 099.
 The MS – SEAC, Chhattisgah,
 Paryavas Bhavan,
 North Block Sector-19,
 North Block Sector-19,
 Naya Raipur(C.G.) 490 099.

Compliance Status of Environment Clearance (Period from 1st Oct, 2023 to 31st March, 2024)

Capacity & Location:- Metabodeli Opencast Iron Ore Mine with production capacity 1.0 Million TPA, issued vide letter 64/SEIAA, C.G./Mine/Kanker/557 Naya Raipur dated.17/04/2017 & its amendment letter No. 338/SEIAA, C.G./Mine/Kanker /557, Naya Raipur Dated.11/07/2017 located near village - Metabodeli, Tehsil-Pakhanjur, District-Kanker(Chhattisgarh).

1. EC Letter No:- 64/SEIAA, C.G./Mine/Kanker/557 Naya Raipur dated.17/04/2017.

2. EC amendment Letter No:- 338/SEIAA, C.G./Mine/Kanker/557 Naya Raipur dated.11/07/2017.

i)	Benificiation of iron ore (wet or dry) shall not be carried out by the project proponent within lease area.	Noted for compliance.
ii)	Top soil shall be stacked properly with proper slope with adequate safeguards. Plantation shall be done on it after storing the topsoil in barrier zone.	No topsoil generated, as the mine itself is a rocky hill although we have earmarked dump site for the same and will be utilized as and when top soil is encountered.
iii)	Over burden shall be stacked at earmarked dump site(s) only and shall not be kept active for long period. The OB dumps shall be scientifically vegetated with suitable native species to prevent erosion and surface run off. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining.	storage of over burden. Overburdens in the form of fines are getting generated in the mine which
iv)	Project authority shall provide adequate facility for proper treatment of industrial effluent (if any) and domestic effluent. Domestic effluent shall be treated in well-designed septic tank and soak pits. In case of any failure of effluent treatment arrangement, it shall be immediate rectified or same alternate arrangement shall be provided. Treated effluent shall be utilized either in process or for plantation purposes within plant premises only. Project authority shall make arrangement of suitable drains/pipe networks to ensure adequate flow for full utilization of treated effluent inside the premises. No effluent shall be discharged out of mine premises under any circumstances. Hence zero discharge condition outside the premises shall be maintained all the time. Project authority shall ensure the treated effluent quality within standard prescribed by Ministry of Environment, Forest and Climate Change, Government of India. Industrial wastewater shall conform to the standards prescribed under GSR 422 (E) dated.19th May, 1993 and December, 1993 or as amended form	generated from the mining operation. Domestic effluents are collected in soak pits. No effluent discharged out of mine premises. Please be informed that the area is highly Naxal infected and the mining is done only in general shift bence

	time to time.	
v)	Any liquid effluent what so ever generated from mining activities shall not be discharged into the river or any surface water bodies under any circumstances, and it shall be reused wholly in the process/plantation. All the industrial effluent generated shall be re-circulated/reused after proper treatment. Project authority shall provide sewage treatment system of adequate capacity for treatment of domestic effluent generated. The untreated/treated domestic effluent shall not be discharge in to the river or any surface water bodies. The treated domestic effluent shall be used for plantation purpose after proper disinfection. The concept of zero discharge shall be maintained all the time except during monsoon. Arrangements shall be made that effluents and storm water do not get mixed.	generated from the mine operation. Domestic effluent being treated in Soak pit in the mine. No effluent discharged out of mine premises. Hence zero discharge condition outside the premises being maintained. Please be informed that the area is highly Naxal infected and the mining is done only in general shift hence domestic waste water also not generated. However necessary
vi)	Regular monitoring of ground water level and quality shall be carried out by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring shall be carried out four times in a year – pre–monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January) and the data thus collected may be sent regularly to SEIAA, Chhattisgarh, Central Ground Water Authority and Regional Director Central Ground Water Board.	for the month of Nov, 2023 & Jan, 2024 is attached here with as Annexure-I.
vii)	Prior permission from the competent authority shall be obtained for drawl of ground water if any.	Permission obtained of 50 KL/ day from CGWA.
viii)	The project authority shall implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board.	Necessary conservation measures to augment ground water resources in the area being taken.
ix)	Adequate no of garland drains and check dams shall be constructed to arrest silt and sediment flows from soil and mineral dumps. The water so collected shall be utilised for watering the mine area roads, green belt development etc. after proper treatment. The drains shall be regularly desilted particularly after monsoon and maintained properly.	been constructed to arrest silt and sediment flows from soil and mineral dumps in the mine during rainy season.
.	Project authority shall provide adequate air pollution control arrangements at all point and non point sources(if any). Project authority shall install suitable & effective air pollution control equipment's at all transfer points, junction points etc. also. All the conveying system, transfer point, junction point etc. shall be covered. Adequate provision shall be made for sprinkling of water at strategic locations to ensure dust does not get air borne. For controlling fugitive dust, regular sprinkling of water in vulnerable areas shall be	arrangements done. All transfer points and conveyor belt covered to prevent dust emission. Green net surrounding Crusher & Screen as well as beside the roads. Fogging and water sprinkling system are installed and in operation for controlling the dust emission.
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	ensured. All air pollution Control systems shall be kept in good running conditions all the time and failure (if any), shall be immediately rectified without delay otherwise similar alternate arrangement shall be made. The emission of pollutants from any point source (if any) shall not exceed the following limit:- Particulate Matter: 50 mg/Mm3 (Fifty Milligram per Normal Cubic Meter)	
xi)	Four ambient air quality – monitoring stations shall be established in the core zone as well as in the buffer zone for PM2.5, PM10, SO2, NOX monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.	monitoring stations are established and data of air quality is monitored on regular intervals and submitted regularly. Air quality monitoring report (1st Oct, 2023 to 31st March,
xii)	Data on ambient air quality (PM2.5, PM10, SO2 and NOX) should be regularly monitored. The data so collected shall be properly analysed and submitted to the Chhattisgarh Environment Conservation Board, Naya Raipur, Regional Office, Chhattisgarh Environment Conservation Board, Jagdalpur, SEIAA, Chhattisgarh and Regional Office, Ministry of Environment, Forest and Climate Change, Government of India, Nagpur in every six months.	monitoring stations are established and data of air quality is monitored on regular intervals and submitted regularly. Last Air quality monitoring report for the period 1st April, 2023 to 30th Sept. 2023 is submitted to all
xiii)	Fugitive dust emissions from all the sources shall be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points shall be provided and properly maintained.	covered with green net, and water
xiv)	Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of minerals. The vehicles shall be covered with a tarpaulin and shall not be overloaded.	Only covered vehicles used for transportation of minerals.
xv)	Measures shall be taken for control of noise levels in the work environment. Workers engaged in operations of HEMM, etc. shall be provided with ear plugs/muffs.	Noise monitoring being carried. Air qualify monitoring report for the period 1st Oct, 2023 to 31st March, 2024 is enclosed for your reference - Annexure-B.
xvi)	A Final Mine Closure Plan shall be submitted to the SEIAA, Chhattisgarh, 5 years in advance of final mine closure for approval.	Progressive Mine closure plan approved by IBM, has been submitted to SEIAA vide letter no. JNIL/ENV/Metabodeli(25 Ha) / 2018 /296 dated 04.10.2018.
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xvii)	Plantation shall be raised by planting the native species around the ML area, roads, OB dump sites etc. in consultation with the local DFO / Agriculture Department.	1250 Nos. saplings have planted in safety zone and OB dump area during monsoon, 2023 Saplings plant-Gulmohar, karanj, mango, black cirrus.
xviii)	No change in mining technology and scope of working shall be made without prior approval of the SEIAA, Chhattisgarh.	Noted.
xix)	No change in calendar plan including excavation, quantum of mineral iron ore shall be made.	Noted
xx)	Conversation measures for protection of flora and fauna in the core & buffer zone shall be drawn up in consultation with local forest and wildlife department.	Noted.
xxi)	Personnel working in dusty areas shall wear protective respiratory devices and they shall also be provided with adequate training and information on safety and health aspects.	Orientation training & information on safety and occupational health aspects are given to workers. Appropriate PPE's has been given to all workers. Regular health checking of the workers is undertaken.
xxii)	The project authorities shall inform to SEIAA, Chhattisgarh regarding date of financial closures and the date of start of land development work.	The mine is in operation since 2002, and information in this regard had been submitted to MOEF.
xxiii)	The funds earmarked for environmental protection measures shall be kept in separate account and should not be diverted for other purpose. Year wise expenditure shall be reported to the SEIAA, Chhattisgarh.	protection measures have been kept in separate account. The expenditure for the period from 1st Oct, 2023 to 31st March, 2024 Environmental Expenditure Rs.47,36,546.14.
		In CSR expenses for the period from 1st Oct, 2023 to 31st March, 2024 Rs.1,54,09,214.86
xxiv	Occupational health Surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act.	Regular health checkup of the workers has been done to observe any contractions due to exposure of dust.
xxv)	Project authority shall establish an environmental management cell to carry out function relating to environmental management under the supervision of senior executive who shall directly report to the head of organization. A full-fledged laboratory with qualified	f cell with full-fledged laboratory is f established at Bhanupratappur f Office and Steel Plant Division
		Jec 1900

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xxxii	Full Cooperation shall be extended to the Scientists/Officers from the SEIAA, Chhattisgarh,	Noted.
xxxi)	Regional Office of the Ministry of Environment, Forest and Climate Change, Government of India at Nagpur shall monitor the implementation of the stipulated conditions. A complete set of documents including Environment Impact Assessment Report and Environment Management Plan along with the additional information submitted from time to time shall be forwarded to the Regional Office for their use during monitoring.	RO- MoEF & CC, Raipur.
xxx)	Half yearly report on the status of implementation of the stipulated conditions and environment safeguards shall be submitted to the Chhattisgarh Environment Conservation Board, Naya Raipur, Regional Office, Chhattisgarh Environment Conservation Board, Jagdalpur, SEIAA, Chhattisgarh and Regional Office, Ministry of Environment, Forest and Climate Change, Government of India, Nagpur.	our letter No.JNIL/ENV/Metabodeli / 25 Ha. / 2023 /162 Dated. 27/11/2023.
xxix)	The Project proponent shall advertise in at least two local news papers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned within seven days from the date of this clearance letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Chhattisgarh Environment Conservation Board and may also seen at Website of SEIAA, Chhattisgarh at www.seiaacg.org .	name Navbharat and Haribhumi on 18.04.2017.
xxviii)	Local persons shall be given employment during construction and operation of the plant.	Being Complied.
xxvii)	SEIAA, Chhattisgarh reserves the right to amend/cancel any of the conditions and add new conditions and make further stringent the emission/effluent limit as and when deemed necessary in the interest of environmental protection, change in the project profile or non-satisfactory implementation of the stipulated conditions etc.	
xxvi)	The issuance of this environmental clearance does not convey any property rights in either real or personal property, or any exclusive privileges, nor does not authorise any injury to private property or any invasion of personal rights, nor any infringement of Central, State or Local laws or regulations.	
	technical/scientific staffs to monitor the in fluent, effluent, ground water, surface water, soil, stack emission and ambient air quality etc. shall be provided.	

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Ministry of Environment, Forest and Climate Change, Government of India/Regional Office, Ministry of Environment, Forest and Climate Change, Government of India, Nagpur/CPCB/Chhattisgarh Environment Conservation Board, who would be monitoring the compliance of environment status. In case of any deviation or alteration in the proposed project from those submitted to this SEIAA, Chhattisgarh for clearance, a fresh reference should be made to the SEIAA, Chhattisgarh to assess the adequacy of the condition(s) imposed and to add additional environment protection measures required, if any. No further expansion or modifications in the plant should be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, Government of India/SEIAA, Chhattisgarh. XXXIV) Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986. XXXV) The project authorities must strictly adhere to the stipulations made by the Chhattisgarh Environment Conservation Board (CECB) and the State Government. XXXVI) The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 197, the Air(Prevention and Control of Pollution) Act, 1991 and its amendments, the Public Liability Insurance Act, 1991 and its amendments. XXXVII) Chhattisgarh Environment Conservation Board shall display a copy of the Clearance letter at the Regional Office, District Trade and Industries Center and Collector's Office/Tehsildars Office for 3 days. Any appeal against this environmental clearance shall lie with the National Green Tribunal, If preferred, within a period of 30 days as prescribed under section 16 of the National Green Tribu		
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Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986. XXXV) The project authorities must strictly adhere to the stipulations made by the Chhattisgarh Environment Conservation Board (CECB) and the State Government. XXXVI) The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 197, the Air(Prevention and Control of Pollution) Act, 1981, the Environment (Protection) act, 1986 and rules there under, Hazardous and Other Wastes (Management and Trans boundary Movement) Rules, 2016 and its amendments. XXXVIII) Chhattisgarh Environment Conservation Board shall display a copy of the Clearance letter at the Regional display a copy of the Clearance letter at the Regional Office, District Trade and Industries Center and Collector's Office/Tehsildars Office for 3 days. XXXVIII) Any appeal against this environmental clearance shall lie with the National Green Tribunal, If preferred, within a veried of 30 days as prescribed under section 16 of the	xxxiii)	In case of any deviation or alteration in the proposed Noted. project from those submitted to this SEIAA, Chhattisgarh for clearance, a fresh reference should be made to the SEIAA, Chhattisgarh to assess the adequacy of the SEIAA, Chhattisgarh to assess the adequacy of the condition(s) imposed and to add additional environment protection measures required, if any. No further expansion or modifications in the plant should be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, Government of the condition of the Ministry of Environment.
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The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 197, the Air(Prevention and Control of Pollution) Act, 1981, the Environment (Protection) act, 1986 and rules there under, Hazardous and Other Wastes (Management and Trans boundary Movement) Rules, 2016 and its amendments, the Public Liability Insurance Act, 1991 and its amendments. XXXVIII) Chhattisgarh Environment Conservation Board shall display a copy of the Clearance letter at the Regional display a copy of the Clearance letter at the Regional Office, District Trade and Industries Center and Collector's Office/Tehsildars Office for 3 days. XXXVIII) Any appeal against this environmental clearance shall lie with the National Green Tribunal, If preferred, within a period of 30 days as prescribed under section 16 of the	xxxv)	The project authorities must strictly adhere to the Noted. Stipulations made by the Chhattisgarh Environment. Conservation Board (CECB) and the State Government.
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Any appeal against this environmental clearance shall lie Noted. with the National Green Tribunal, If preferred, within a with the National Green Tribunal, If preferred in the Noted.	xxxvi	Chhattisgarh Environment Conservation Board Shall LC letter to the Condition. display a copy of the Clearance letter at the Regional Compliance to this condition. Office, District Trade and Industries Center and Conservation Office/Tehsildars Office for 3 days.
	xxxv	ii) Any appeal against this environmental clearance shall lie Noted. with the National Green Tribunal, If preferred, within a with the National Green Tribunal, If preferred of 30 days as prescribed under section 16 of the



Amendment Environment Clearance Compliance report vide order No.338/SEIAA, C.G./Mine/Kanker/557, Naya Raipur Dated.11/07/2017.

S.No	Condition	Compliance
1	The capacity of Crushing Unit (Primary and Secondary) and Double Decker Power Screen Unit shall not be more than 150 TPH and 250 TPH respectively.	Complied.
2	For Air Pollution Control in Crushing & Screening Unit, Industry shall install bag filter with suction Hoods. For Control of Fugitive dust emission in Crushing & Screening unit, at transfer points / Junction points fogging system shall be provided and it shall be covered with green net.	Crusher and Screen unit fully covered and have in built water sprinkling / fogging system for control of dust emission. All transfer points and conveyor belt covered to prevent dust emission.
3	Wind breaking wall shall be constructed in the Crushing & Screening Unit area.	Crusher and Screen unit are covered with green net, and water sprinkling and fogging system for control of dust emission are installed and operational.
4	Ensure to control the particulate matter emission within 50 Mg/Nm³.	We are doing mining of Iron Ore only, hence there is no any other process involve. Only D.G. set is provided there for power backup. D.G. Set monitoring report carried out by NABL Accredited Lab is enclosed for your reference.



Format No.: UES/FORM/09



HDD-272, Phase III - Near JP Chowk Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099 Ph: 0771 - 4027777 I Email: ultimatenviro@gmail.com

Name & Address Of The Cust	omer	REPORT NO.	UES	/TR/23-24/06373		
		LAB REF NO.	UES	UES/23-24/W/012151 09/11/2023 10/11/2023 15/11/2023		
JNIL Metabodeli	DATE OF SAMPLING	09/				
		DATE OF RECEIPT	10/			
		DATE OF REPORT	15/			
		DATE OF ANALYSIS	STA	RT: 10/15/2023	END: 15/11/2023	
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Customer Sample Id / Sampling Location	Chargaon Village Hand Pump	CUSTOMER REF.	4200002	4200002664		
Sample Type Ground Water		Sample Condition At Receipt	Ok			
Packing of Sample Plastic Bottle		Sample Collected By	Laboratory Chemist			
Other Details Sealed		Quantity Received	Approx 5 Ltr.			

REPORT NO.: 06373

			TEST REPO	RT		
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS Acceptable Limit	10500:2012 Permissible	RESULT
Α	Organoleptic & Physical	Paramete	A commence of the second secon		ekaniseen maaniseen 1905 ko	
1	Colour	Hazen	IS:3025:(Part-4)	5 ;	15	<1
2	Odour	_	IS 3025(Part-5)	Agreeable	Agreeable	Agreeable
3	pH Value at 25.4°C	-	IS:3025:(Part-11)	6.5-8.5	No Relaxation	7.11
4	Taste	Alexan .	IS 3025(part-8)	Agreeable	Agreeable	Agreeable
5	Turbidity	NTU	IS 3025: (Part-10)	1	5	1.26
6	Total Dissolved Solids	mg/L	IS:3025:(Part-16)	500	2000	167.0
В	General Parameters	concern	ing substances unde	sirable in e	excessive amou	ints
1	Aluminium (as Al)	mg/L	IS 3025(part-55)	0.03	0.2	N.D.
2	Ammonia (as total ammonia-N)	mg/L	IS 3025(part-34)	0.5	No Relaxation	N.D.
3	Anionic Detergent (as MBAS)	mg/L	Annex K of IS:13428	0.2	1.0	N.D.
4	Barium (as Ba)	mg/L	Annex F of IS:13428	0.7	No Relaxation	N.D.
5	Boron (as B)	mg/L	IS 3025:(Part-57)	0.5	1.0	N.D.
6	Calcium (as Ca)	mg/L	IS 3025:(Part-40)	75	200	23.25
7	Chloramines (as Cl ₂)	mg/L	IS 3025:(Part-26)	4.0	No Relaxation	N.D.
8	Chloride (as Cl)	mg/L	IS 3025:(Part-32)	250	1000	28.9
9	Copper (as Cu)	mg/L	IS 3025(part-42)	0.05	1.5	N.D.
10	Fluoride (as F)	mg/L	IS 3025(part-60)	1	1.5	0.20
11	Free Residual	mq/L	IS 3025: (Part-26)	0.2	1	N.D.

Formal No.: UES/FORM/09



HDD-272, Phase III - Near JP Chowk Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099 Ph: 0771 - 4027777 | Email: ultimatenviro@gmail.com

	Yame & Address Of The Customer			UES/TR/23-24/06373		
				UES/23-24/W/01215	1	
JNIL Metabodeli	DATE OF SAMPLING	}	09/11/2023			
Tehsil-Pakhanju	DATE OF RECEIPT		10/11/2023			
District- Kanker, 494635		DATE OF REPORT	DATE OF REPORT		15/11/2023	
		DATE OF ANALYSIS		START: 10/15/2023	END: 15/11/2023	
rangat yeti esseyete	SAME	LE DETAILS				
Customer Sample Id / Sampling Location	Chargaon Village Hand Pump	CUSTOMER REF.	42	00002664		
Sample Type Ground Water		Sample Condition At Receipt	Ok	and the second s	and the state of the	
Packing of Sample Plastic Bottle		Sample Collected By	Lai	boratory Chemist		
Other Details Sealed		Quantity Received	Ap	Approx 5 Ltr.		

			TEST REPO	RT		
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	Acceptable	10500:2012 Permissible	RESULT
Α	Organoleptic & Physical	 Paramete	<u> </u>	List Limit	i imit	<u></u>
1	Colour	Hazen	IS:3025:(Part-4)	5 ;	15	<1
2	Odour	-	IS 3025(Part-5)	Agreeable	Agreeable	Agreeable
3	pH Value at 25.4°C	-	IS:3025:(Part-11)	6.5-8.5	No Relaxation	7.11
4	Taste		IS 3025(part-8)	Agreeable	Agreeable	Agreeable
5	Turbidity	NTU	IS 3025: (Part-10)	1	5	1.26
6	Total Dissolved Solids	mg/L	IS:3025:(Part-16)	500	2000	167.0
В	General Parameters	concern	ing substances unde	sirable in e	excessive amou	nts
1	Aluminium (as Al)	mg/L	IS 3025(part-55)	0.03	0.2	N.D.
2	Ammonia (as total ammonia-N)	mg/L	IS 3025(part-34)	0.5	No Relaxation	N.D.
3	Anionic Detergent (as MBAS)	mg/L	Annex K of IS:13428	0.2	1.0	N.D.
4	Barium (as Ba)	mg/L	Annex F of IS:13428	0.7	No Relaxation	N.D.
5	Boron (as B)	mg/L	IS 3025:(Part-57)	0.5	1.0	N.D.
6	Calcium (as Ca)	mg/L	IS 3025:(Part-40)	75	200	23.25
7	Chloramines (as Cl ₂)	mg/L	IS 3025:(Part-26)	4.0	No Relaxation	N.D.
8	Chloride (as Cl)	mg/L	IS 3025:(Part-32)	250	1000	28.9
9	Copper (as Cu)	mg/L	IS 3025(part-42)	0.05	1.5	N.D.
10	Fluoride (as F)	mg/L	IS 3025(part-60)	1	1.5	0.20 "
11	Free Residual	mg/L	IS 3025: (Part-26)	0.2	1	N.D.



REPORT NO.: 06373

		11 FA 11 11 11 11 11 11 11 11 11 11 11 11 11	TEST REPO	RT		
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	Acceptable		RESULT
	Chlorine			Limit	<u> </u>	A CONTRACTOR OF THE CONTRACTOR
12	Iron (as Fe)	mg/L	IS 3025(part-53)	0.3	No Relaxation	0.23
13	Magnesium (as Mg)	mg/L	IS 3025: (Part-46)	30	100	4.37
14	Manganese (as Mn)	mg/L	IS 3025(part-59)	0.1	0.3	N.D.
15	Mineral Oil	mg/L	Clause 6 of IS 3025 (Part-39) Infrared partition method	0.5	No Relaxation	N.D.
16	Nitrate (as NO ₃)	mg/L	IS 3025(part-34)	45	No Relaxation	1.96
17	Phenolic Compound (as C6H5OH)	mg/L	IS 3025(part-43)	0.001	0.002	N.D.
18	Selenium (as Se)	mg/L	IS 3025(part-56)	0.01	No Relaxation	N.D.
19	Silver (as Ag)	mg/L	Annex J of IS 13428	0.1	No Relaxation	N.D.
20	Sulphate (as SO ₄)	mg/L	IS 3025:(Part-24)	200	400	8.65
21	Sulphide (as H ₂ S)	mg/L	IS 3025:(Part-29)	0.05	No Relaxation	N.D.
22	Total Alkalinity (as CaCO3)	mg/L	IS 3025:(Part-23)	200	600	66.0
23	Total Hardness (as CaCO3)	mg/L	IS 3025:(Part-21)	200	600	76.0
24	Zinc (as Zn)	mg/L	IS 3025(part-49)	5	15	N.D.
J	Parameters concer	ning to	xic substances:-			
1	Cadmium (as Cd)	mg/L	IS 3025(part-41)	0.003	No Relaxation	N.D.
2	Cyanide (as CN)	mg/L	IS 3025(part-27)	0.05	No Relaxation	N.D.
3	Lead (as Pb)	#mg/L	IS 3025(part-47)	0.01	No Relaxation	N.D.
4	Mercury (as Hg)	mg/L	IS 3025(part-48)	0.001	No Relaxation	N.D.
5	Molybdenum (as Mo)	mg/L	IS 3025(part-2)	0.07	No Relaxation	N.D.
6	Nickel (as Ni)	mg/L	IS 3025(part-54)	0.02	No Relaxation	N.D.
7	Polychlorinated biphenyls	mg/L	ASTM 5175	0.0005	No Relaxation	N.D.
3	Polynuclear aromatic hydrocarbons (as PAH)	mg/L	АРНА 6440	0.0001	No Relaxation	N.D.
9.	Arsenic (as As)	mg/L	IS 3025(part-37)	0.01	0.05	N.D.
0	Chromium (as Cr)	mg/L	IS 3025(part-52)	0.05	No Relaxation	N.D.
1	Trihalomethanes:					3
)	Bromoform	mg/L	APHA 6232	0.1	No Relaxation	N.D.



REPORT	No.: 06373					
			TEST REPOR		10500;2012	
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	Acceptable Limit	Permissible limit	RESULT
b)	Dibromochlorometha ne	mg/L	АРНА 6232	0.1	No Relaxation	N.D.
c)	Bromodichlorometha ne	mg/L	АРНА 6232	0.06	No Relaxation	N.D.
d)	Chloroform	mg/L	АРНА 6232	0.2	No Relaxation	N.D.
12	Total Coliform	MPN/1 00ml	IS: 1622:1981:RA:2019	****		Absent
13	E. Coli	MPN/ 100ml	IS: 1622:1981:RA: 2019			Absent

Note: mg/lit.: milligram per liter, N.D.: Not Detected.

REMARKS: RESULTS ARE AS ABOVE

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AUTHORIZED SIGNATORY

-----End of the test report--

Format No.: UES/FORM/09



HDD-272, Phase III - Near JP Chowk Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099 Ph: 0771 - 4027777 | Email: ultimatenviro@gmail.com

Name & Address Of The Custo	omer	REPORT NO.	UES/TR/23-24/06374			
To,		LAB REF NO.	UES/23-24/W/01215	UES/23-24/W/012152		
	Iron Ore Mines, (25ha)	DATE OF SAMPLING	09/11/2023			
Tehsil-Pakhanju	r , Village – Chargaon,	DATE OF RECEIPT	10/11/2023	10/11/2023		
District- Kanker,	494635	DATE OF REPORT	15/11/2023	The state of the s		
		DATE OF ANALYSIS	START: 10/15/2023	END: 15/11/2023		
	samı	PLE DETAILS	ichtsuughtelug			
Customer Sample Id / Sampling Location	Metabodeli 25 ha Near Solar Pump	CUSTOMER REF. NO.	4200002664			
Sample Type Ground Water		Sample Condition At Receipt	Ok			
Packing of Sample	Plastic Bottle	Sample Collected By	Laboratory Chemist	aboratory Chemist		
Other Details	Sealed	Quantity Received	Approx 5 Ltr.			

REPORT NO.: 06374

	e de la companya de La companya de la co		TEST REPO	RT		
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS Acceptable Limit	10500:2012 Permissible limit	RESULT
A	Organoleptic & Phys	ical Pa	rameters			
1	Colour	Hazen	IS:3025:(Part-4)	5	15	<1
2	Odour	_	IS 3025(Part-5)	Agreeable	Agreeable	Agreeable
3	pH Value at 25.4°C	-	IS:3025:(Part-11)	6.5-8.5	No Relaxation	6.83
4	Taste		IS 3025(part-8)	Agreeable	Agreeable	Agreeable
5	Turbidity	NTU	IS 3025:(Part-10)	1	5	0.45
6	Total Dissolved Solids	mg/L	IS:3025:(Part-16)	500	2000	114
В		concern	ing substances unde	sirable in e	xcessive amou	nts
1	Aluminium (as Al)	mg/L	IS 3025(part-55)	0.03	0.2	N.D.
2	Ammonia (as total ammonia-N)	mg/L	IS 3025(part-34)	0.5	No Relaxation	N.D.
3	Anionic Detergent (as MBAS)	mg/L	Annex K of IS:13428	0.2	1.0	N.D.
4	Barium · (as Ba)	mg/L	Annex F of IS:13428	0.7	No Relaxation	N.D.
5	Boron (as B)	mg/L	IS 3025:(Part-57)	0.5	1.0	N.D.
6	Calcium (as Ca)	mg/L	IS 3025:(Part-40)	75 _	200	19.24
7	Chloramines (as Cl ₂)	mg/L	IS 3025:(Part-26)	4.0	No Relaxation	N.D.
8	Chloride (as Cl)	mg/L	IS 3025:(Part-32)	250	1000	29.9



			TEST REPOI	RT		
R. IO.	PARAMETER	UNIT	METHOD OF TEST	AS PER II Acceptable Limit	S 10500;2012 Permissible limit	RESULT
9	Copper (as Cu)	mg/L	IS 3025(part-42)	0.05	1.5	N.D.
10	Fluoride (as F)	mg/L	IS 3025(part-60)	1	1.5	0.12
11	Free Residual Chlorine	mg/L	IS 3025: (Part-26)	0.2	1	N.D.
12	Iron (as Fe)	mg/L	IS 3025(part-53)	0.3	No Relaxation	0.21
13	Magnesium (as Mg)	mg/L	IS 3025: (Part-46)	30	100	7.78
14	Manganese (as Mn)	mg/L	IS 3025(part-59)	0.1	0.3	N.D.
15	Mineral Oil	mg/L	Clause 6 of IS 3025 (Part-39) Infrared partition method	0.5	No Relaxation	N.D.
16	Nitrate (as NO ₃)	mg/L	IS 3025(part-34)	45	No Relaxation	2.27
17	Phenolic Compound (as C6H5OH)	mg/L	IS 3025(part-43)	0.001	0.002	N.D.
18	Selenium (as Se)	mg/L	IS 3025(part-56)	0.01	No Relaxation	N.D.
19	Silver (as Ag)	mg/L	Annex J of IS 13428	0.1	No Relaxation	N.D.
20	Sulphate (as SO ₄)	mg/L	IS 3025:(Part-24)	200	400	12.77
21	Sulphide (as H ₂ S)	mg/L	IS 3025:(Part-29)	0.05	No Relaxation	N.D.
22	Total Alkalinity (as CaCO ₃)	mg/L	IS 3025:(Part-23)	200	600	50.0
23	Total Hardness (as CaCO ₃) **	mg/L	IS 3025:(Part-21)	200	600	80.0
24	Zinc (as Zn)	mg/L	IS 3025(part-49)	5	15	N.D.
3.	Parameters concer	ning to	xic substances:-			
1	Cadmium (as Cd)	mg/L	IS 3025(part-41)	0.003	No Relaxation	N.D.
2	Cyanide (as CN)	mg/L	IS 3025(part-27)	0.05	No Relaxation	N.D.
3	Lead (as Pb)	mg/L	IS 3025(part-47)	0.01	No Relaxation	N.D.
4	Mercury (as Hg)	mg/L	IS 3025(part-48)	0.001	No Relaxation	N.D.
5	Molybdenum (as Mo)	mg/L	IS 3025(part-2)	0.07	No Relaxation	N.D.
6	Nickel (as Ni)	mg/L	IS 3025(part-54)	0.02	No Relaxation	N.D.



REPORT NO.: 06374

			TEST REPOR			
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 1 Acceptable Limit	0500:2012 Permissible limit	RESULT
7	Polychlorinated biphenyls	mg/L	ASTM 5175	0.0005	No Relaxation	N.D.
8	Polynuclear aromatic hydrocarbons (as	mg/L	арна 6440	0.0001	No Relaxation	N.D.
9	Arsenic (as As)	mg/L	IS 3025(part-37)	0.01	0.05	N.D.
10	Chromium (as Cr)	mg/L	IS 3025(part-52)	0.05	No Relaxation	N.D.
11	Trihalomethanes:	***************************************				AND
a)	Bromoform	mg/L	АРНА 6232	0.1	No Relaxation	N.D.
b)	Dibromochlorometha ne	mg/L	АРНА 6232	0.1	No Relaxation	N.D.
c)	Bromodichlorometha ne	mg/L	АРНА 6232	0.06	No Relaxation	N.D.
d)	Chloroform	mg/L	АРНА 6232	0.2	No Relaxation	N.D.
12	Total Coliform	MPN/1 00ml	IS: 1622:1981:RA:2019	-		Absent
13	E. Coli	MPN/	IS: 1622:1981:RA: 2019		<u>-</u>	Absent

Note: mg/lit.: milligram per liter, N.D.: Not Detected.

REMARKS: RESULTS ARE AS ABOVE

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For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

-----End of the test report-



To, JNIL Metabodeli Iron Ore Mines, (25ha) Tehsil-Pakhanjur , Village – Chargaon, District- Kanker, 494635			port No o Ref No te of Sampling te of Receipt te of Report te of analysis	UES/TR/23-24/06375 UES/23-24/W/012153 09/11/2023 10/11/2023 15/11/2023 START: 10/15/2023 END: 15/11/202			
erran en	SAMPL		ETAILS'		•	The state of the s	
CUSTOMER SAMPLE ID	CHARGAON RIVER UP	CUSTOMER REF		NO. & DATE	VERBAL COMMUNICATION		
SAMPLE TYPE	SURFACE WATER	and the second	SAMPLE CONDITION AT RECEIPT		ок		
LATITUDE	20°01′26.9″ N		LONGITUDE		80°59'30.48" E		
PACKING OF SAMPLE	PLASTIC BOTTLE		SAMPLE COLLECTED BY		CUSTOMER		
OTHERS DETAILS	SEALED		QUANTITY RECEIVED			APPROX 3 LTR.	

REPORT NO.: 06375

o see se			TEST REPORT		der Lingskiller Sone	- 19 gallenga kandi - Antonia da kandi
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS Requirement (Acceptable Limit)	10500:2012 Permissible Limit in the Absence of Alternate	RESULT
Α.	Organoleptic & Phy	vsical	Parameters	<u> </u>	Source	
1	Colour	Hazen	IS:3025:(Part-4)	5	15	15.0
2	Odour	_	IS 3025(part-5)	Agreeable	Agreeable	Agreeable
3	pH Value at 24.7°C	<u> </u>	IS:3025:(Part-11)	6.5-8.5	No Relaxation	7.22
4	Taste		IS 3025(part-8)	Agreeable	Agreeable	Agreeable
5	Turbidity	NTU	IS 3025: (Part-10)	1	5	37.89
6	Total Dissolved Solids	mg/L	IS:3025:(Part-16)	500	2000	236.0
В.	General Parameters	Concern	ing Substances unde	sirable in e	excessive amo	ınts
1	Aluminium (as Al)	mg/L	IS 3025(part-55)	0.03	0.2	N.D.
2	Ammonia (as total ammonia-N)	mg/L	IS 3025(part-34)	0.5	No Relaxation	N.D.
3	Anionic Detergent (as MBAS)	mg/L	Annex K of IS:13428	0.2	1.0	N.D.
4	Barium (as Ba)	mg/L	Annex F of IS:13428	0.7	No Relaxation	N.D.
5	·Boron (as B)	mg/L	IS 3025: (Part-57)	0.5	1.0	N.D.
6	Calcium (as Ca)	mg/L	IS 3025: (Part-40)	75	200	10.42
7	Chloride (as Cl)	mg/L	IS 3025:(Part-32)	250	1000	14.9
8	Copper (as Cu)	mg/L	IS 3025(part-42)	0.05	1.5	0.11
9	Fluoride (as F)	mg/L	IS 3025(part-60)	1	1.5	0.12
10	Free Residual Chlorine	mg/L	IS 3025:(Part-26)	0.2	1	N.D.,
11	Iron (as Fe)	mg/L	IS 3025(part-53)	0.3	No Relaxation	0.32
12	Magnesium (as Mg)	mg/L	IS 3025: (Part-46)	30	100	11.66
13	Manganese (as Mn)	mg/L	IS 3025(part-59)	0.1	0.3	N.D.



REPORT NO.: 06375

			TEST REPORT			
i in est				AS PER IS		
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source	RESULT
14	Nitrate (as NO3)	mg/L	IS 3025(part-34)	45	No Relaxation	3.88
15	Selenium (as Se)	mg/L	IS 3025(part-56)	0.01	No Relaxation	N.D.
16	Sulphate (as SO ₄)	mg/L	IS 3025: (Part-24)	200	400	27.32
17	Total Alkalinity (as CaCO ₃)	mg/L	IS 3025:(Part-23)	200	600	50.0
18	Total Hardness (as CaCO3)	mg/L	IS 3025:(Part-21)	200	600	74.0
19	Zinc (as Zn)	mg/L	IS 3025(part-49)	5	15	N.D.
20	Chemical Oxygen Demand	mg/L	IS:3025:(Part- 58):2006, RA 2012	_	-	12
21	Bio-chemical Oxygen Demand at 27°C for three day	mg/L	IS:3025:(Part- 44):1993 RA 2014		-	3.7
22	Dissolved oxygen as DO	Mg/L	IS:3025:(Part- 44):1993 RA 2014	The state of the s		6.6
C.	Parameters conce	ching to	xic substances: -			
1	Cadmium (as Cd)	mg/L	IS 3025(part-41) .	0.003	No Relaxation	N.D.
2	Lead (as Pb)	mg/L	IS 3025(part-47)	0.01	No Relaxation	N.D.
3	Mercury (as Hg)	mg/L	IS 3025(part-48)	0.001	No Relaxation	N.D.
4	Nickel (as Ni)	mg/L	IS 3025(part-54)	0.02	No Relaxation	N.D.
5	Arsenic (as As)	mg/L	IS 3025(part-37)	0.01	0.05	N.D.
6	Chromium (as Cr)	mg/L	IS 3025(part-52)	0.05	No Relaxation	N.D.
F.	Microbial Paramet	ers				**************************************
1	Total Coliform	MPN/1 00ml	IS: 1622:1981:RA:2019	Shall not be de	tectable in any	33
2	E. Coli	MPN/ 100ml	IS: 1622:1981:RA:2019	100 ml	Sample	14

Note: mg/lit.: milligram per liter, N.D.: Not Detected.

REMARKS: RESULTS ARE AS ABOVE

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For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

End of the test report--



Name & Address Of The Customer To, JNIL Metabodeli Iron Ore Mines, (25ha) Tehsil-Pakhanjur , Village – Chargaon, District- Kanker, 494635			oort No Ref No Re of Sampling Re of Receipt Re of Report Re of analysis	UES/TR/23-24/06375 UES/23-24/W/012153 09/11/2023 10/11/2023 15/11/2023 START: 10/15/2023 END: 15/11/2023		
	, SAMPI	E DI	TAILS		*11.15	Magapinetisini
CUSTOMER SAMPLE ID	CHARGAON RIVER UF) <u>.</u>	CUSTOMER REF. NO. & DATE		VERBAL COMMUNICATION	
SAMPLE TYPE	SURFACE WATER	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	SAMPLE CONDITION A		ок	
LATITUDE	20°01′26.9″ N		LONGITUDE		80°59′30	.48" E
PACKING OF SAMPLE	PLASTIC BOTTLE		SAMPLE COLLECTED BY		CUSTOMER	
OTHERS DETAILS	SEALED		QUANTITY RECEIVED		APPROX 3 LTR.	

			TEST REPORT			
SR. NO.	PARAMETER	UNIT	METHOD OF TEST		10500:2012 Permissible Limit in the Absence of Alternate Source	RESULT
Α.	Organoleptic & Phy	ysical	Parameters			
1	Colour	Hazen	IS:3025:(Part-4)	5	15	15.0
2	Odour	_	IS 3025(part-5)	Agreeable	Agreeable	Agreeable
3	pH Value at 24.7°C	-	IS:3025:(Part-11)	6.5-8.5	No Relaxation	7.22
4	Taste	-	IS 3025(part-8)	Agreeable	Agreeable	Agreeable
5	Turbidity	NTU	IS 3025:(Part-10)	1	5	37.89
6	Total Dissolved Solids	mg/L	IS:3025:(Part-16)	500	2000	236.0
В.	General Parameters	Concern	ing Substances under	sirable in e	xcessive amou	ints
1	Aluminium (as Al)	mg/L	IS 3025(part-55)	0.03	0.2	N.D.
2	Ammonia (as total ammonia-N)	mg/L	IS 3025(part-34)	0.5	No Relaxation	N.D.
3	Anionic Detergent (as MBAS)	mg/L	Annex K of IS:13428	0.2	1.0	N.D.
4	Barium (as Ba)	mg/L	Annex F of IS:13428	0.7	No Relaxation	N.D.
5	Boron (as B)	mg/L	IS 3025:(Part-57)	0.5	1.0	N.D.
6	Calcium (as Ca)	mg/L	IS 3025:(Part-40)	75	200	10.42
7	Chloride (as Cl)	mg/L	IS 3025:(Part-32)	250	1000	14.9
8	Copper (as Cu)	mg/L	IS 3025(part-42)	0.05	1.5	0.11
9	Fluoride (as F)	mg/L	IS 3025(part-60)	1	1.5	0.12
10	Free Residual Chlorine	mg/L	IS 3025:(Part-26)	0.2	1	N.D. ,
11	Iron (as Fe)	mg/L	IS 3025(part-53)	0.3	No Relaxation	0.32
12	Magnesium (as Mg)	mg/L	IS 3025:(Part-46)	30	100	11.66
13	Manganese (as Mn)	mg/L	IS 3025(part-59)	0.1	0.3	N.D.



REPORT NO.: 06375

			TEST REPOR			
		ore sides	Landar Market State Commence of the Commence o	AS PER IS	10500:2012	
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source	RESUL
14	Nitrate (as NO ₃)	mg/L	IS 3025(part-34)	45	No Relaxation	3.88
15	Selenium (as Se)	mg/L	IS 3025(part-56)	0.01	No Relaxation	N.D.
16	Sulphate (as SO ₄)	mg/L	IS 3025: (Part-24)	200	400	27.32
17	Total Alkalinity (as CaCO3)	mg/L	IS 3025:(Part-23)	200	600	50.0
18	Total Hardness (as CaCO3)	mg/L	IS 3025:(Part-21)	200	600	74.0
19	Zinc (as Zn)	mg/L	IS 3025(part-49)	5	15	N.D.
20	Chemical Oxygen Demand	mg/L	IS:3025:(Part- 58):2006, RA 2012			12
21	Bio-chemical Oxygen Demand at 27°C for three day	mg/L	IS:3025: (Part- 44):1993 RA 2014			3.7
22	Dissolved oxygen as DO	Mg/L	IS:3025:(Part- 44):1993 RA 2014	***		6.6
C.	Parameters concern	ning to	xic substances: -	i de la companya de l	iki ing mananan ng mananan ng mga mga mga mga mga mga mga mga mga mg	
1	Cadmium (as Cd)	mg/L	IS 3025(part-41) .	0.003	No Relaxation	N.D.
2	Lead (as Pb)	mg/L	IS 3025(part-47)	0.01	No Relaxation	N.D.
3	Mercury (as Hg)	mg/L	IS 3025(part-48)	0.001	No Relaxation	N.D.
4	Nickel (as Ni)	mg/L	IS 3025(part-54)	0.02	No Relaxation	N.D.
5	Arsenic (as As)	mg/L	IS 3025(part-37)	0.01	0.05	N.D.
6	Chromium (as Cr)	mg/L	IS 3025(part-52)	0.05	No Relaxation	N.D.
F.	Microbial Paramete	ers				
1	Total Coliform *	MPN/1 00ml	IS: 1622:1981:RA:2019	Shall not be de	tectable in any	33
2	E. Coli	MPN/ 100ml	IS: 1622:1981:RA:2019	100 ml	Sample	14

Note: mg/lit.: milligram per liter, N.D.: Not Detected.

REMARKS: RESULTS ARE AS ABOVE

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- This is for information as the party has asked for above test(s) only.

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For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

End of the test report-



To, JNIL Metabodeli Iron Ore Mines, (25ha) Tehsil-Pakhanjur , Village – Chargaon, District- Kanker, 494635			ort No Ref No e of Sampling e of Receipt e of Report	UES/TR/23-24/06376 UES/23-24/W/012154 09/11/2023 10/11/2023 15/11/2023 START: 10/15/2023 END: 15/11/2		
			e of analysis			END: 15/11/2023
	SAMPL	E DE	TAILS			
CUSTOMER SAMPLE ID	CHARGAON RIVER DO	WN-	CUSTOMER REF. NO. & DATE		VERBAL COMMUNICATION	
SAMPLE TYPE	SURFACE WATER		SAMPLE CONDITION AT RECEIPT		ОК	
LATITUDE	20°02′10.25″ N		LONGITUDE	# 1000 Park 1000	80°00′36.10″ E	
PACKING OF SAMPLE	PLASTIC BOTTLE		SAMPLE COLLECTED BY		CUSTOMER	
OTHERS DETAILS	SEALED		QUANTITY RECE	IVED	APPROX 3 LTR.	

REPORT NO.: 06376

			TEST REPORT			
	Lingue de la companya	San San San	speech terror dampeter	AS PER IS	10500:2012	
SR. NO.	PARAMETER	PARAMETER UNIT METHO	METHOD OF TEST	Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source	RESULT
A.	Organoleptic & Phy	ysical	Parameters			Market of the Control
1	Colour	Hazen	IS:3025:(Part-4)	5	15	15.0
2	Odour		IS 3025(part-5)	Agreeable	Agreeable	Agreeable
3	pH Value at 24.7°C	-	IS:3025:(Part-11)	6.5-8.5	No Relaxation	7.28
4	Taste	_	IS 3025(part-8)	Agreeable	Agreeable	Agreeable
5	Turbidity	NTU	IS 3025:(Part-10)	1	5	51.03
6	Total Dissolved Solids	mg/L	IS:3025: (Part-16)	500	2000	242.0
В.	General Parameters	Concern	ing Substances unde	sirable in e	excessive amo	unts
1	Aluminium (as Al) *	mg/L	IS 3025(part-55)	0.03	0.2	N.D.
2	Ammonia (as total ammonia-N)	mg/L	IS 3025(part-34)	0.5	No Relaxation	N.D.
3	Anionic Detergent (as MBAS)	mg/L	Annex K of IS:13428	0.2	1.0	N.D.
4	Barium (as Ba)	mg/L	Annex F of IS:13428	0.7	No Relaxation	N.D.
5	Boron (as B)	mg/L	IS 3025:(Part-57)	0.5	1.0	N.D.
6	Calcium (as Ca)	mg/L	IS 3025:(Part-40)	75	200	13.63
7	Chloride (as Cl)	mg/L	IS 3025:(Part-32)	250	1000	16.9
8	Copper (as Cu)	mg/L	IS 3025(part-42)	0.05	1.5	0.13
. 9	Fluoride (as F)	mg/L	IS 3025(part-60)	1	1.5	0.11
10	Free Residual Chlorine	mg/L	IS 3025:(Part-26)	0.2	1	N.D.
11	Iron (as Fe)	mg/L	IS 3025(part-53)	0.3	No Relaxation	0.28
12	Magnesium (as Mg)	mg/L	IS 3025:(Part-46)	30	100	10.69
13	Manganese (as Mn)	mg/L	IS 3025(part-59)	0.1	0.3	Ŋ.D.
14	Nitrate (as NO ₃)	mg/L	IS 3025(part-34)	45	No Relaxation	5.73



REPORT NO.: 06376

			TEST REPORT	Carlo Harris (lare		
					AS PER IS 10500:2012 Permissible	
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	Requirement (Acceptable Limit)	Limit in the Absence of Alternate Source	RESUL1
15	Selenium (as Se)	mg/L	IS 3025(part-56)	0.01	No Relaxation	N.D.
16	Sulphate (as SO4)	mg/L	IS 3025: (Part-24)	200	400	25.65
17	Total Alkalinity (as CaCO ₃)	mg/L	IS 3025:(Part-23)	200	600	58.0
18	Total Hardness (as CaCO3)	mg/L	IS 3025:(Part-21)	200	600	78.0
19	Zinc (as Zn)	mg/L	IS 3025(part-49)	5	15	N.D.
20	Chemical Oxygen Demand	mg/L	IS:3025:(Part- 58):2006, RA 2012	-	**************************************	16
21	Bio-chemical Oxygen Demand at 27°C for three day	mg/L	IS:3025:(Part- 44):1993 RA 2014		-	4.6
22	Dissolved oxygen as DO	Mg/L	IS:3025:(Part- 44):1993 RA 2014		-	6.4
C.	Parameters concern	ning to	xic substances: -			
1	Cadmium (as Cd)	mg/L	IS 3025(part-41)	0.003	No Relaxation	N.D.
2	Lead (as Pb)	mg/L	IS 3025(part-47)	0.01	No Relaxation	N.D.
3	Mercury (as Hg)	mg/L	IS 3025(part-48)	0.001	No Relaxation	N.D.
4	Nickel (as Ni)	mg/L	IS 3025(part-54)	0.02	No Relaxation	N.D.
5	Arsenic (as As)	mg/L	IS 3025(part-37)	0.01	0.05	N.D.
6	Chromium (as Cr)	mg/L	IS 3025(part-52)	0.05	No Relaxation	N.D.
F.	Microbial Paramet	ers			And the state of t	·
1	Total Coliform	MPN/1 00ml	IS: 1622:1981:RA:2019	Shall not be d	etectable in any	34
2	E. Coli	MPN/ 100ml	IS: 1622:1981:RA:2019	100 ml	Sample	17

Note: mg/lit.: milligram per liter, N.D.: Not Detected.

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

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Test sample will be retained for 15 days after issue of test report unless otherwise agreed with customer,

This is for information as the party has asked for above test(s) only.

For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

REVIEWED BY -----End of the test report-----



Hame & Address Of The Custo	mr.	REPORT NO.	UES/TR/23-24/08227
TO.		LAB REF NO.	UES/23-24/W/015864
	Iron Ore Mines, (25ha)	DATE OF SAMPLING	05/01/2024
Toheil-Pakhaniu	, Village – Chargaon,	DATE OF RECEIPT	06/01/2024
		DATE OF REPORT	10/01/2024
District- Kanker, 494635		DATE OF ANALYSIS	START: 06/01/2024 - END: 10/01/2024
	SAM	PLE DETAILS	
Customer Sample Id	Chargaon Village Hand Pump	CUSTOMER REF.	4200002664
/ Sampling Location Sample Type	Ground Water	Sample Condition At Receipt	Ok
Packing of Sample Plastic Bottle		Sample Collected By	Laboratory Chemist
Other Details Sealed		Quantity Received	Approx 5 Ltr.

***************************************			TEST REPOR	et de la com			
SR. NO.	PARAMETER	UNIT	METHOD OF TEST		10500:2012 Permissible limit	<u>R</u> ESULT	
Α	Organoleptic & Physical F	arameter	S			error commencement amountains on	
1	Colour	Hazen	IS:3025:(Part-4)	5	15	<1	
2	Odour	_	IS:3025:(Part-5)	Agreeable	Agreeable	Agreeable	
3	pH Value at 25.4°C	www.	IS:3025:(Part-11)	6.5-8.5	No Relaxation	7.24	
4	Taste		IS:3025:(part-8)	Agreeable	Agreeable	Agreeable	
	Turbidity	NTU	IS:3025:(Part-10)	1	5	1.12	
5 6	Total Dissolved	mg/L	1S:3025:(Part-16)	500	2000	149.0	
В	Solids General Parameters concerning substances undesirable in excessive amount of the concerning substances under the concerning substances under the concerning substances under the concerning substances are concerned as the concerning substanc						
1	Aluminium (as Al)	mg/L	IS:3025: (part-55)	0.03	0.2	N.D.	
2	Ammonia (as total	mg/L	IS:3025: (part-34)	0.5	No Relaxation	N.D.	
3	ammonia-N) Anionic Detergent	mg/L	Annex K of IS:13428	0.2	1.0	N.D.	
4	(as MBAS) Barium (as Ba)	mg/L	Annex F of IS:13428	0.7	No Relaxation	N.D.	
<u></u> 5,	Boron (as B)	mg/L	IS:3025:(Part-57)	0.5	1.0	N.D.	
	Calcium (as Ca)	mg/L	IS:3025: (Part-40)	75	200	20.84	
7	Chloramines (as	mg/L	IS:3025: (Part-26)	4.0	No Relaxation	N.D.	
8	Cl ₂) Chloride (as Cl)	mq/L	IS:3025:(Part-32)	250	1000	24.9	
9	Copper (as Cu)	mg/L	IS:3025: (part-42)	0.05	1.5	N.D.	
	Fluoride (as F)	mg/L	IS:3025: (part-60)	1	1.5	0.17	
10	Free Residual	mg/L	IS:3025: (Part-26)	0.2	1	N.D.	



erigory) e (Dese			TEST REPO	RT		
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER Acceptabl Limit	IS 10500:2012 e Permissible limit	RESULT
	Chlorine					Proceedings of the Control of the Co
12	Iron (as Fe)	mg/L	IS:3025:(part-53)	0.3	No Relaxation	0.21
13	Magnesium (as Mg)	mg/L	IS:3025:(Part-46)	30	100	3.89
14	Manganese (as Mn)	mg/L	IS:3025:(part-59)	0.1	0.3	N.D.
15	Mineral Oil	mg/L	Clause 6 of IS 3025 (Part-39) Infrared partition method	0.5	No Relaxation	N.D.
16	Nitrate (as NO ₃)	mg/L	IS:3025:(part-34)	45	No Relaxation	1.75
17	Phenolic Compound (as C6H5OH)	mg/L	IS:3025: (part-43)	0.001	0.002	N.D.
18	Selenium (as Se)	mg/L	IS:3025: (part-56)	0.01	No Relaxation	N.D.
19	Silver (as Ag)	mg/L	Annex J of IS 13428	0.1	No Relaxation	N.D.
20	Sulphate (as SO ₄)	mg/L	IS:3025:(Part-24)	200	400	7.72
21	Sulphide (as H ₂ S)	mg/L	IS:3025:(Part-29)	0.05	No Relaxation	N.D.
22	Total Alkalinity (as CaCO ₃) Total Hardness (as	mg/L	IS:3025:(Part-23)	200	600	58.0
23	CaCO ₃)	mg/L	IS:3025:(Part-21)	200	600	68.0
.4	Zinc (as Zn)	mg/L	IS:3025:(part-49)	5	15	N.D.
•	Parameters concer	ning to	oxic substances:-		** mat 19 19. march a march a march and a march	ha viit naatiika maatiin maasa ee faan varasa - saa
1	Cadmium (as Cd)	mg/L	IS:3025:(part-41)	0.003	No Relaxation	N.D.
2	Cyanide (as CN)	mg/L	IS:3025:(part-27)	0.05	No Relaxation	N.D.
3	Lead (as Pb)	mg/L	IS:3025:(part-47)	0.01	No Relaxation	N.D.
4	Mercury (as Hg)	mg/L	IS:3025:(part-48)	0.001	No Relaxation	N.D.
5	Molybdenum (as Mo)	mg/L	IS:3025:(part-2)	0.07	No Relaxation	N.D.
5	Nickel (as Ni)	mg/L	IS:3025:(part-54)	0.02	No Relaxation	N.D.
7	Polychlorinated biphenyls	mg/L	ASTM 5175	0.0005	No Relaxation	N.D.
* ************************************	Polynuclear aromatic hydrocarbons (as PAH)	mg/L	АРНА 6440	0.0001	No Relaxation	N.D.
	Arsenic (as As)	mg/L	IS:3025:(part-37)	0.01	0.05	N.D.
0	Chromium (as Cr)	mg/L	IS:3025:(part-52)	0.05	No Relaxation	N.D.
1	Trihalomethanes:		managa de tre- quanto que transcribir e proprio de despoyarem e mario anticoprometa e e e e electro de	The second section of the se		The Late Commission of the Com
1	Bromoform	mg/L	АРНА 6232	0.1	No Relaxation	N.D.

Format No.: UES/FORM/09



HDD-272, Phase III - Near JP Chowk Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099 Ph: 0771 - 4027777 I Email: ultimatenviro@gmail.com

REPORT	T NO.: 08277	n race contract constant (
			TEST REPOR	XT		
SR.				AS PER IS	10500:2012	
NO.	PARAMETER	UNIT	METHOD OF TEST	Acceptable Limit	Permissible limit	RESULT
b)	Dibromochlorometha ne	mg/L	АРНА 6232	0.1	No Relaxation	N.D.
c)	Bromodichlorometha ne	mg/L	АРНА 6232	0.06	No Relaxation	N.D.
d)	Chloroform	mg/L	АРНА 6232	0.2	No Relaxation	N.D.
12	Total Coliform	MPN/1 00ml	IS:1622:1981:RA: 2019	www.		Absent
13	E. Coli	MPN/ 100ml	IS:1622:1981:RA: 2019		-	Absent

Note: mg/lit.: milligram per liter, N.D.: Not Detected.

REMARKS: RESULTS ARE AS ABOVE

REVIEWED BY

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AUTHORIZED SIGNATORY

-----End of the test report-----



qName & Address Of The Cus	tomer	REPORT NO.	UES/TR/23-24/0822	8		
To,		LAB REF NO.	UES/23-24/W/01586	UES/23-24/W/015865		
	i Iron Ore Mines, (25ha)	DATE OF SAMPLING	05/01/2024			
Tehsil-Pakhanju	r , Village – Chargaon,	DATE OF RECEIPT	06/01/2024	ari, mar i amarikana ja amarikana ja marikana ja marikana ja		
District- Kanker	, 494635	DATE OF REPORT	10/01/2024	annon ega annon menganan er an omreneg ga meneren menanke en meneren mellen er an had ber sambet b		
		DATE OF ANALYSIS	START: 06/01/2024	END: 10/01/2024		
aniana (A. A. A	SAM	PLE DETAILS				
Customer Sample Id / Sampling Location	Metabodeli 25 ha Near Solar Pump	CUSTOMER REF. NO.	4200002664			
Sample Type	Ground Water	Sample Condition At Receipt	Ok			
Packing of Sample	Plastic Bottle	Sample Collected By	Laboratory Chemist			
Other Details	Sealed	Quantity Received	Approx 5 Ltr.	инов — менна — гинто бълго дорга на «Солон» — гинто в гинто Солоно Солоно		

	-circums ()	en e	TEST REPO	RT		
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS Acceptable Limit	10500:2012 Permissible	RESULT
A	Organoleptic & Phys	ical Pa	rameters		N. C.	dianti sana il Lidera Vinitspi dinimbili mana utimba
1	Colour	Hazen	IS:3025:(Part-4)	5	15	<1
2	Odour	-	IS:3025:(Part-5)	Agreeable	Agreeable	Agreeable
3	pH Value at 25.4°C		IS:3025:(Part-11)	6.5-8.5	No Relaxation	6.95
4	Taste		IS:3025:(part-8)	Agreeable	Agreeable	Agreeable
5	Turbidity	NTU	IS:3025:(Part-10)	1	5	0,54
6	Total Dissolved Solids	mg/L	IS:3025:(Part-16)	500	2000	137.0
В	General Parameters	concern	ing substances unde	sirable in e	excessive amou	ints
1	Aluminium (as Al)	mg/L	IS:3025:(part-55)	0.03	0.2	N.D.
2	Ammonia (as total ammonia-N)	mg/L	IS:3025:(part-34)	0.5	No Relaxation	N.D.
3	Anionic Detergent (as MBAS)	mg/L	Annex K of IS:13428	0.2	1.0	N.D.
4	Barium (as Ba)	mg/L	Annex F of IS:13428	0.7	No Relaxation	N.D.
5	Boron (as B)	mg/L	IS:3025:(Part-57)	0.5	1.0	N.D.
6	Calcium (as Ca)	mg/L	IS:3025:(Part-40)	75	200	21.64
7	Chloramines (as Cl ₂)	mg/L	IS:3025:(Part-26)	4.0	No Relaxation	N.D.
8	Chloride (as Cl)	mq/L	IS:3025:(Part-32)	250	1000	32.9



			TEST REPOR		omision printing in the con-	
SR.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS Acceptable Limit	10500:2012 Permissible limit	RESULT
9 9	Copper (as Cu)	mg/L	Is:3025: (part-53)	0.05	1.5	N.D.
10	Fluoride (as F)	mg/L	IS:3025:(Part-46)	1	1.5	0.11
11	Free Residual	mg/L	1S:3025:(part-59)	0.2	1	N.D.
1.2	Chlorine Iron (as Fe)	mg/L	Clause 6 of IS 3025 (Part-39) Infrared partition method	0.3	No Relaxation	0.19
13	Magnesium (as Mg)	mg/L	1S:3025: (part-34)	30	100	8.75
14	Manganese (as Mn)	mg/L	Is:3025: (part-43)	0.1	0.3	N.D.
15	Mineral Oil	mg/L	IS:3025:(part-56)	0.5	No Relaxation	N.D.
16	Nitrate (as NO ₃)	mg/L	Annex J of IS 13428	45	No Relaxation	2.73
17	Phenolic Compound	mg/L	IS:3025:(Part-24)	0.001	0.002	N.D.
18	(as C6H5OH) Selenium (as Se)	mg/L	IS:3025:(Part-29)	0.01	No Relaxation	N.D.
19	Silver (as Ag)	mg/L	IS:3025:(Part-23)	0.1	No Relaxation	N.D.
20	Sulphate (as SO ₄)	mg/L	Is:3025:(Part-21)	200	400	15.35
21	Sulphide (as H ₂ S)	mg/L	Is:3025:(part-49)	0.05	No Relaxation	N.D.
22	Total Alkalinity	mg/L	IS:3025: (part-53)	200	600	60.0
23	(as CaCO ₃) Total Hardness (as	mg/L	IS:3025: (Part-46)	200	600	90.0
24	CaCO ₃) Zinc (as Zn)	mg/L	IS:3025:(part-59)	5	15	N.D.
C.	Parameters concer	ning t	oxic substances:-			The second secon
1	Cadmium (as Cd)	mg/L	IS:3025:(part-41)	0.003	No Relaxation	N.D.
2	Cyanide (as CN)	mg/L	IS:3025:(part-27)	0.05	No Relaxation	N.D.
3	Lead (as Pb)	mg/L	IS:3025:(part-47)	0.01	No Relaxation	N.D.
4	Mercury (as Hg)	mg/L	Is:3025:(part-48)	0.001	No Relaxation	N.D.
· · · 5	Molybdenum (as Mo)		William Co.	70.07	No Relaxation	N.D.
6	Nickel (as Ni)	mg/L		0.02	No Relaxation	N.D.



REPORT NO.: 08228

REPO	IT NO.: 08228	in to see				A SANSAN TO SANS SANS
	MARKET STATE OF THE STATE OF TH		TEST REPO	RF.		
SR. No.	PARAMETER	UNIT	METHOD OF TEST	Acceptable	10500:2012 Permissible	RESULT
7	Polychlorinated biphenyls	mg/L	ASTM 5175	0.0005	No Relaxation	N.D.
8	Polynuclear aromatic hydrocarbons (as PAH)	mg/L	APHA 6440	0.0001	No Relaxation	N.D.
9	Arsenic (as As)	mg/L	IS:3025:(part-37)	0.01	0.05	N.D.
10	Chromium (as Cr)	mg/L	IS:3025:(part-52)	0.05	No Relaxation	N.D.
11	Trihalomethanes:			en e	1	11 the New 100 tours tours or specials or
a)	Bromoform	mg/L	АРНА 6232	0.1	No Relaxation	N.D.
b)	Dibromochlorometha ne	mg/L	APHA 6232	0.1	No Relaxation	N.D.
c)	Bromodichlorometha ne	mg/L	APHA 6232	0.06	No Relaxation	N.D.
d)	Chloroform	mg/L	APHA 6232	0.2	No Relaxation	N.D.
12	Total Coliform	MPN/1 00ml	IS:1622:1981:RA: 2019	was a second of the second of		Absent
13	E. Coli	MPN/ 100ml	IS:1622:1981:RA: 2019	enter a la composition de la constitución de la con		Absent

Note: mg/lit.: milligram per liter, N.D.: Not Detected.

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

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The assignment of publication, submission of as regarding of the process.

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For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

-----End of the test report-----



Name & Address Of The Customer		Re	oort No	UES/TR/23	UES/TR/23-24/08229		
To,	Lab		Ref No	UES/23-24/	UES/23-24/W/015866		
JNIL Metabodeli Iron Ore Mines, (25ha)			te of Sampling	05/01/2024	05/01/2024		
Tehsil-Pakhanjur , Village – Chargaon, District- Kanker, 494635		Date of Report 10/0		ot 06/01/2024		and the state of t	
				10/01/2024	2024 .		
	START: 06/			01/2024	END: 10/01/2024		
	SAMPI	Æ DI	ETAILS				
CUSTOMER SAMPLE ID	CHARGAON RIVER UI STREAM	P.,	CUSTOMER RE	F. NO. & DATE	VERBAL (COMMUNICATION	
SAMPLE TYPE	SURFACE WATER		SAMPLE COND RECEIPT	ITION AT	ок	Станов нападать ««По» однику факция» и пападата по	
LATITUDE	20°01′26.9″ N		LONGITUDE	ge comment operation and a surround	80°59′30	.48" E	
PACKING OF SAMPLE PLASTIC BOTTLE			SAMPLE COLLE	CTED BY	CUSTOM	IER	
OTHERS DETAILS	SEALED		QUANTITY REC	EIVED	APPROX	3 LTR.	

			TEST REPORT		August Heim	
SR. NO.	PARAMETER	_UNIT_	METHOD OF TEST	11145 621 621	10500:2012 Permissible Limit in the Absence of Alternate Source	RESULT
Α.	Organoleptic & Phy	vsical	Parameters) Symce	
1	Colour	Hazen	IS:3025:(Part-4)	5	15	10.0
2	Odour		IS:3025:(Part-5)	Agreeable	Agreeable	Agreeable
3	pH Value at 24.7°C	_	IS:3025:(Part-11)	6.5-8.5	No Relaxation	7.32
4	Taste	A/ No.	IS:3025:(part-8)	Agreeable	Agreeable	Agreeable
5	Turbidity	NTU	IS:3025:(Part-10)	1	5	33.72
6	Total Dissolved	mg/L	IS:3025:(Part-16)	500	2000	210.0
В.	General Parameters	Concern	ing Substances unde	sirable in e	excessive amo	ınts
1.	Aluminium (as Al)	mg/L	IS:3025:(part-55)	0.03	0.2	N.D.
2	Ammonia (as total ammonia-N)	mg/L	IS:3025:(part-34)	0.5	No Relaxation	N.D.
3	Anionic Detergent (as MBAS)	mg/L	Annex K of IS:13428	0.2	1.0	N.D.
4	Barium (as Ba)	mg/L	Annex F of IS:13428	0.7	No Relaxation	N.D.
5	Boron (as B)	mg/L	IS:3025:(Part-57)	0.5	1.0	N.D.
6	Calcium (as Ca)	mg/L	IS:3025:(Part-40)	75	200	9.62
7	Chloride (as Cl)	mg/L	IS:3025:(Part-26)	250	1000	12.9
8	Copper (as Cu)	mg/L	IS:3025:(Part-32)	0.05	1.5	0.10
9	Fluoride (as F)	mg/L	IS:3025:(part-42)	1	1.5	0.11
10	Free Residual Chlorine	mg/L	IS:3025: (part-60)	0.2	1	N.D.
11	Iron (as Fe)	mg/L	IS:3025:(part-53)	0.3	No Relaxation	0.28
12	Magnesium (as Mg)	mg/L	IS:3025:(Part-46)	30	100	10.21
1.3	Manganese (as Mn)	mg/L	IS:3025:(part-59)	0.1	0.3	N.D.,



REPORT NO.: 08229

			TEST REPORT			
79.17				AS PER IS	10500:2012	
SR. NO.	PARAMETER	UNIT	METHOD OF TEST (7)	Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source	RESULT
14	Nitrate (as NO ₃)	mg/L	IS:3025:(part-34)	45	No Relaxation	3.45
15	Selenium (as Se)	mg/L	IS:3025:(part-56)	0.01	No Relaxation	N.D.
16	Sulphate (as SO ₄)	mg/L	IS:3025:(Part-24)	200	400	24.31
17	Total Alkalinity (as CaCO3)	mg/L	IS:3025:(Part-23)	200	600	44.0
18	Total Hardness (as CaCO ₃)	mg/L	IS:3025:(Part-21)	200	600	66.0
19	Zinc (as Zn)	mg/L	IS:3025(part-49)	5	15	N.D.
20	Chemical Oxygen Demand	mg/L	IS:3025:(Part-58)	-		8.0
21	Bio-chemical Oxygen Demand at 27°C for three day	mg/L	IS:3025:(Part-44)			3.3
22	Dissolved oxygen as DO	Mg/L	IS:3025:(Part-44)	AA.		6.9
C.	Parameters concern	ning to	xic substances: -			name.
1	Cadmium (as Cd)	mg/L	TS:3025:(part-41)	0.003	No Relaxation	N.D.
2	Lead (as Pb)	mg/L	IS:3025:(part-47)	0.01	No Relaxation	N.D.
3	Mercury (as Hg)	mg/L	IS:3025:(part-48)	0.001	No Relaxation	N.D.
4	Nickel (as Ni)	mg/L	IS:3025:(part-54)	0.02	No Relaxation	N.D.
5	Arsenic (as As)	mg/L	TS:3025: (part-37)	0.01	0.05	N.D.
6	Chromium (as Cr)	mg/L	IS:3025:(part-52)	0.05	No Relaxation	N.D.
F.	Microbial Paramet	ers	me management and production of the control of the			
1	Total Coliform	MPN/1 00ml	IS:1622:1981:RA: 2019	Shall not be d	etectable in any	27
2	E. Coli *	MPN/ 100ml	IS:1622:1981:RA: 2019	100 m	100 ml Sample	

Note: mg/lit.: milligram per liter, N.D.: Not Detected.

REMARKS: RESULTS ARE AS ABOVE

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Last		MAN YARAN MARKATA BUKAN MARKATA	TEST REPORT			Daries Mari
		regalija.		AS PER IS	10500:2012	
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source	RESULT
1.5	Selenium (as Se)	mg/L	IS:3025:(part-56)	0.01	No Relaxation	N.D.
16	Sulphate (as SO4)	mg/L	IS:3025:(Part-24)	200	400	22.79
17	Total Alkalinity (as CaCO ₃)	mg/L	IS:3025:(Part-23)	200	600	52.0
18	Total Hardness (as CaCO ₃)	mg/L	IS:3025:(Part-21)	200	600	70.0
19	Zinc (as Zn)	mg/L	IS:3025(part-49)	5	15	N.D.
20	Chemical Oxygen Demand	mg/L	IS:3025:(Part-58)	-	W	12
21	Bio-chemical Oxygen Demand at 27°C for three day	mg/L	IS:3025:(Part-44)		Contact Contact Notes and Cont	4.1
22	Dissolved oxygen as DO	Mg/L	IS:3025:(Part-44)		-	6.6
C.	Parameters concer	ning to	xic substances: -	gggggggggggggggggggggggggggggggg	engan serian siata sana ana mana ana ana ana ana ana ana ana	and a strong growing from the strong and a strong at the strong at the strong and a strong and a strong at the
1	Cadmium (as Cd)	mg/L	IS:3025:(part-41)	0.003	No Relaxation	N.D.
2	Lead (as Pb)	mg/L	IS:3025: (part-47)	0.01	No Relaxation	N.D.
3	Mercury (as Hg)	mg/L	IS:3025: (part-48)	0.001	No Relaxation	N.D.
4	Nickel (as Ni)	mg/L	IS:3025:(part-54)	0.02	No Relaxation	N.D.
5	Arsenic (as As)	mg/L	IS:3025: (part-37)	0.01	0.05	N.D.
6	Chromium (as Cr)	mg/L	IS:3025: (part-52)	0.05	No Relaxation	N.D.
F.	Microbial Paramet	ers	West 4111			
1	Total Coliform	MPN/1 00ml	IS:1622:1981:RA: 2019	Shall not be d	etectable in any	33
2	E. Coli	MPN/ 100ml	IS:1622:1981:RA: 2019		l Sample	14

Note: mg/lit.: milligram per liter, N.D.: Not Detected. REMARKS: RESULTS ARE AS ABOVE

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-----End of the test report-----



To, JNIL Metabodeli Iron Ore Mines, (25ha) Tehsil-Pakhanjur, Village – Chargaon, District- Kanker, 494635			ort No Ref No e of Sampling e of Receipt e of Report e of analysis	UES/TR/23-24/08230 UES/23-24/W/015867 05/01/2024 06/01/2024 10/01/2024 START: 06/01/2024 END: 10/01/2024			
	SAMPL		TAILS				
CUSTOMER SAMPLE ID	CHARGAON RIVER DO	WN-	CUSTOMER REF. NO. & DATE		VERBAL COMMUNICATION		
SAMPLE TYPE	SURFACE WATER		SAMPLE CONDITION AT RECEIPT		ОК		
LATITUDE	20°02′10.25″ N		LONGITUDE		80°00′36.10″ E		
PACKING OF SAMPLE	PLASTIC BOTTLE		SAMPLE COLLECTED BY		CUSTOMER		
OTHERS DETAILS	SEALED	SEALED		QUANTITY RECEIVED		APPROX 3 LTR.	

REPORT NO.: 08230

			TEST REPORT			
A THE CONTRACT OF THE CONTRACT		나 하는 사람들이 하는 사람들이 되었다. 그는 사람들은 사람들은 사람들은 사람들이 되었다. 그는 사람들이 살아 보는 사람들이 되었다.		AS PER IS	10500:2012	
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source	RESULT
A.	Organoleptic & Phy	ysical	Parameters		4	
1	Colour	Hazen	IS:3025:(Part-4)	5	15	10.0
2	Odour	_	IS:3025:(Part-5)	Agreeable	Agreeable	Agreeable
3	pH Value at 24.7°C		IS:3025:(Part-11)	6.5-8.5	No Relaxation	7.38
4	Taste	***	IS:3025:(part-8)	Agreeable	Agreeable	Agreeable
5	Turbidity	NTU	IS:3025:(Part-10)	1	5	45.34
6	Total Dissolved Solids	mg/L	IS:3025:(Part-16)	500	2000	215.0
В.	General Parameters	Concern	ing Substances unde	sirable in e	excessive amo	unts
1	Aluminium (as Al)	mg/L	IS:3025:(part-55)	0.03	0.2	N.D.
2	Ammonia (as total ammonia-N)	mg/L	IS:3025:(part-34)	0.5	No Relaxation	N.D.
3	Anionic Detergent (as MBAS)	mg/L	Annex K of IS:13428	0.2 .	1.0	N.D.
4	Barium (as Ba)	mg/L	Annex Fof IS:13428	0.7	No Relaxation	N.D.
5	Boron (as B)	mg/L	IS:3025:(Part-57)	0.5	1.0	N.D.
6	Calcium (as Ca)	mg/L	IS:3025:(Part-40)	75	200	12.02
7	Chloride (as Cl)	mg/L	IS:3025:(Part-26)	250	1000	14.9
. 8	Copper (as Cu)	mg/L	IS:3025:(Part-32)	0.05	1.5	0.12
9	Fluoride (as F)	mg/L	IS:3025:(part-42)	. 1	1.5	0.09
10	Free Residual Chlorine	mg/L	IS:3025:(part-60)	0.2	1	N.D.
11	Iron (as Fe)	mg/L	IS:3025:(part-53)	0.3	No Relaxation	0.24
12	Magnesium (as Mg)	mg/L	IS:3025:(Part-46)	30	100	9.72
13	Manganese (as Mn)	mg/L	IS:3025:(part-59)	0.1	0.3	№ .D.
14	Nitrate (as NO ₃)	mg/L	IS:3025:(part-34)	45	No Relaxation	5.09



REPORT NO.: 08230

			TEST REPORT	.		#8 M
				AS PER IS	10500:2012	
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source	RESULT
15	Selenium (as Se)	mg/L	IS:3025:(part-56)	0.01	No Relaxation	N.D.
16	Sulphate (as SO ₄)	mg/L	IS:3025:(Part-24)	200	400	22.79
17	Total Alkalinity (as CaCO ₃)	mg/L	IS:3025:(Part-23)	200	600	52.0
18	Total Hardness (as CaCO ₃)	mg/L	IS:3025:(Part-21)	200	600	70.0
19	Zinc (as Zn)	mg/L	IS:3025(part-49)	5	15	N.D.
20	Chemical Oxygen Demand	mg/L	IS:3025:(Part-58)	-	•	12
21	Bio-chemical Oxygen Demand at 27°C for three day	mg/L	IS:3025:(Part-44)		hannon vooronings vern	4,1
22	Dissolved oxygen as DO	Mg/L	IS:3025:(Part-44)		-	6.6
C.	Parameters concer	ning to	xic substances: -	in ja jih		NATIONAL STREET, STREE
1	Cadmium (as Cd)	mg/L	IS:3025:(part-41)	0.003	No Relaxation	N.D.
2	Lead (as Pb)	mg/L	IS:3025:(part-47)	0.01	No Relaxation	N.D.
3	Mercury (as Hg)	mg/L	IS:3025:(part-48)	0.001	No Relaxation	N.D.
4	Nickel (as Ni)	mg/L	IS:3025:(part-54)	0.02	No Relaxation	Ņ.D.
5	Arsenic (as As)	mg/L	IS:3025:(part-37)	0.01	0.05	N.D.
6	Chromium (as Cr)	mg/L	IS:3025:(part-52)	0.05	No Relaxation	N.D.
F.	Microbial Paramet	ers				
1	Total Coliform	MPN/1 00ml	IS:1622:1981:RA: 2019	Shall not be detectable in any		33
2	E. Coli	MPN/ 100ml	IS:1622:1981:RA: 2019	100 ml	Sample	14

Note: mg/lit.: milligram per liter, N.D.: Not Detected. REMARKS: RESULTS ARE AS ABOVE

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8	Nume & Autums of the Continues	1
200	To,	L
ä	M/s Metabodeli Iron Ore Mine - 25 Ha	D
\$5000000000000000000000000000000000000	Tahsil – Pakhanjur, Dist. – Kanker (C.G.)	D
ě		

REPORT NO.	UES/TR/23-24/06362				
LAB REF NO.	UES/23-24/AAQM/012123-012126				
DATE OF SAMPLING	08/11/2023 - 09/11/2023				
DATE OF RECEIPT	09/11/2023				
DATE OF REPORT	15/11/2023				
DATE OF ANALYSIS	START: 09/11/2023	END: 15/11/2023			

	SAMPLE DETAILS
Monitoring For	Ambient Air Quality Monitoring
	1. Chargaon Village
	2. Surewahi Village
Sampling Location	3. Metabodeli Village
ą.	4. Sondmapara Village
Customer Ref. No.	4200002664
Duration Of Sampling	As per CPCB norms
Sample Collected by	Laboratory Chemist
Sampling Procedure	As Per Method Reference
Sample Quantity/Packing	Filter Paper (PM10): 1XI No., Filter Paper (PM2.5): 1XI No. SO2: 30mlX1 No. PVC Bottle, NO2: 30mlX1 No. PVC BOTTLE, Rubber Bladder: 1X1 No., C6H6: CHARCOAL Tube. OZONE: 10MLX1 No. Brown PVC Bottle, NH4:10mLX1 No. Brown PVC Bottle

dome to the control of the control o	en e		TEST REPORT				Anter de
		RODER VESS		100	Res	ults	
Parameter	Unit	NAAQM Standard	METHOD REFERENCE	Chargaon Village	Surewahi Village	Metabodell Village	Sondmapara Village
Particulate Matter size less than 10 microns (PM ₁₀)	μg/m³	100	IS 5182 (Part 23):2006 & CPCB Guidelines VolI	45.6	43.5	47.8	42.2
Particulate Matter size less than 2.5 microns (PM _{2.5})	μg/m³	60	IS 5182(Part 24):2019 CPCB Guidelines VolI	24.8	23.0	25.3	24.5
Sulphur Dioxide (SO ₂)	μg/m³	80	IS 5182 (Part 2):2001, RA 2006 &CPCB Guidelines VolI	9.9	9.3	10.2	8.9
Nitrogen Dioxide (NO ₂)	μg/m³	80	IS 5182 (Part 6): 2006 & CPCB Guidelines VolI	12.5	12.7	14.4	12.8
Carbon Monoxide (CO)	mg/m³	4,0	IS 5182(Part 10):1999, RA 2003	0.17	0.10	0.19	0.06
Ozone (O ₃)	μg/m³	180	CPCB Guidelines Vol-I	10.5	10.0	9.8	9.9
Ammonia (NH ₃)	μg/m³	400	CPCB Guidelines Vol-I	2.6	1.8	2.9	1.7
Arsenic (As)	ng/m³	6.0	CPCB Guidelines Vol-I and AAS Method	N.D.	N.D.	N.D.	N.D.
Nickel (Ni)	ng/m³	20	CPCB Guidelines Vol-I and AAS Method	N.D.	N.D.	N.D.	N.D.
Lead (Pb)	μg/m³	1.0	CPCB Guidelines Vol-I and AAS Method	N.D.	N.D.	N.D.	N.D.
Benzene (C ₆ H ₆)	μq/m³	5.0	IS 5182 (Part 11):2006	N.D.	N.D.	N.D.	N.D.
Benzo (a) Pyrene	ng/m³	1.0	IS 5182 (Part 12):2014	N.D.	N.D.	N.D.	N.D.

Note: N.D.: Not Detected.

REMARKS: RESULTS ARE AS ABOVE

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Name & Address Of The Customer		REPORT NO.	UES/TR/23-24/06363					
То,		LAB REF NO.	UES/23-24/AAQM/012127-012130					
M/s Metabodeli Iron	Ore Mine – 25 Ha	DATE OF SAMPLING	08/11/2023 - 0	9/11/2023				
Tahsil – Pakhanjur,	Dist. – Kanker (C.G.)	DATE OF RECEIPT	09/11/2023	r yang terpenang telepat dalah da yangga apat terataya yang telepat da da da 1999 da papa da dalah da 1 997 da sa				
·		DATE OF REPORT	15/11/2023	The second secon				
		DATE OF ANALYSIS	START: 09/11/2023	END: 15/11/2023				
	SAMPI	E DETAILS	ago (1. 1984) - 14. Tanan managan					
Monitoring For	Ambient Air Quality Monite	oring						
The state of the s	1. Near Security Shed - N							
Sampling Location	2. Near Weigh Bridge - W							
Samping bocacion	3. Near Temporary Store - S							
	4. Near CAF Camp - E							
Customer Ref. No.	4200002664							
Duration Of Sampling	uration Of Sampling As per CPCB norms							
Sample Collected by	Laboratory Chemist							
Sampling Procedure	As Per Method Reference							
Sample Quantity/Packing	Filter Paper (PM10): 1X1 No., 30m1X1 No. PVC BOTTLE, Rubber Bottle, NH4:10MLX1 No. Brown	Bladder: 1X1 No., C6H6:						

			TEST REPORT					
				Results				
Parameter	Unit	NAAQM Standard	METHOD REFERENCE	Near Security Shed - N	Near Weigh Bridge – W	Near Temporary Store - S	Near CAF Camp – E	
Particulate Matter size less than 10 microns (PM ₁₀)	μg/m³	100	IS 5182(Part 23):2006 & CPCB Guidelines VolI	48.4	46.3	49.5	47.6	
Particulate Matter size less than 2.5 microns (PM _{2.5})	µg/m³	60	IS 5182(Part 24):2019 CPCB Guidelines VolI	26.7	25.5	27.1	26.0	
Sulphur Dioxide (SO ₂)	μg/m³	80	IS 5182 (Part 2):2001, RA 2006 &CPCB Guidelines VolI	12.4	10.2	13.7	11.6	
Nitrogen Dioxide (NO ₂)	μg/m³	80	IS 5182(Part 6): 2006 & CPCB Guidelines VolI	15.2	14.7	16.3	15.5	
Carbon Monoxide (CO)	mg/m³	4.0	IS 5182(Part 10):1999, RA 2003	0.26	0.29	0.39	0.36	
Ozone (O3)	μg/m ³	180	CPCB Guidelines Vol-I	43.1	9.2	8.6	11.3	
Ammonia (NH ₃)	µg/m³	400	CPCB Guidelines Vol-I	3.4	5.6	3.1	2.7	
Arsenic (As)	ng/m³	6.0	CPCB Guidelines Vol-I and AAS Method	N.D.	N.D.	N.D.	N.D.	
Nickel (Ni)	ng/m³	20	CPCB Guidelines Vol-I and AAS Method	N.D.	N.D.	N.D.	N.D.	
Lead (Pb)	μg/m³	1.0	CPCB Guidelines Vol-I and AAS Method	и.Б.	N.D.	N.D.	N.D.	
Benzene (C ₆ H ₆)	µg/m³	5.0	IS 5182 (Part 11):2006	N.D.	N.D.	N.D.	N.D.	
Benzo (a) Pyrene	ng/m³	1.0	IS 5182 (Part 12):2014	N.D.	N.D.	N.D.	N.D.	

Note: N.D.: Not Detected.

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Name & Address of the Gustemer To.		REPORT NO.	UES/TR/23-24/06364				
	on Ore Mine – 25 Ha	LAB REF NO.	UES/23-24/N/012131-012134				
Tahsil – Pakhanjur, Dist. – Kanker (C.G.)		DATE OF REPORT	15/11/2023				
		DATE OF SAMPLING	08/11/2023 - 09/11/2023				
	SA	MPLE DETAILS					
MONITORING FOR	NOISE LEVEL MONITORING						
CUSTOMER REF. NO. &	4200002664	4200002664					
SAMPLING LOCATION	(AS DESCRIBED BELOW)						
SAMPLE COLLECTED BY	LABORATORY CHEMIST	and the second s					
SAMPLING PROCEDURE	IS 9989:1981:RA 2001						

			EST REPORT		
			RESULT	LIMIT (RESII	DENTIAL ZONE)
LOCATION		UNIT	DAYTIME	DAY TIME	NIGHT TIME
Chargaon Village		dB(A)	55.6		70 dB(A)
Surewahi Village		dB(A)	52.4	75 dB(A)	
Metabodeli Village	The state of the s	dB(A)	55.3	75 GB(A)	
Sondmapara Village		dB(A)	49.1		

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Neme & Address of the Customer To, M/s Metabodeli Iron Ore Mine – 25 Ha Tahsil – Pakhanjur, Dist. – Kanker (C.G.)		REPORT NO.	UES/TR/23-24/06365
		LAB REF NO.	UES/23-24/N/012135-012137
		DATE OF REPORT	15/11/2023
		DATE OF SAMPLING	08/11/2023 - 09/11/2023
	SA	MPLE DETAILS	
MONITORING FOR	NOISE LEVEL MONITORING		
CUSTOMER REF. NO. &	4200002664		
SAMPLING LOCATION	(AS DESCRIBED BELOW)	COLO OLO NAME ACTION COLO DE C	
SAMPLE COLLECTED BY	LABORATORY CHEMIST		
SAMPLING PROCEDURE	IS 9989:1981:RA 2001		

	TE	ST REPORT		
		RESULT	LIMIT (RESID	ENTIAL ZONE)
LOCATION	UNIT	DAY TIME	DAY TIME	NIGHT TIME
NEAR SECURITY SHED - N	dB(A)	65.1		70 dB(A)
NEAR WEIGH BRIDGE - W	dB(A)	68.4	75 40(4)	
NEAR TEMPORARY STORE - S	dB(A)	63.5	75 dB(A)	
NEAR CAF CAMP - E	dB(A)	61.3	A CONTRACTOR OF THE CONTRACTOR	

REMARKS: RESULTS ARE AS ABOVE. MINING OPERATION IS CARRIED OUT ONLY IN DAY TIME.

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Name & Address Of The Customer		REPORT NO	UES/TR/23-24/06367 UES/23-24/FE/012141-012142			
To,		LAB REF NO				
M/s Metabodeli Iron Ore Mine – 25 Ha Tahsil – Pakhanjur, Dist. – Kanker (C.G.)		line – 25 Ha DATE OF SAMPLING		08/11/2023		
		DATE OF RECEIPT	09/11/2023			
		DATE OF REPORT	15/11/2023			
		DATE OF ANALYSIS	START:09/11/2023	END: 15/11/2023		
		AMPLE DETAILS				
Monitoring For	Work Zone Monitoring	/ Fugitive Emission Mon	itoring			
Customer Ref. No. & Date	4200002664					
Duration Of Sampling	8 Hours					
Sample Collected By	Laboratory Chemist	anny religion and any Ophilisma and any and the account of the class o	STREET,	a registrate a part paggaranteer or some single per a sala a sala menjada pagrangan sala sa sala menganak di Ma		
	As Per Method Reference					
Sampling Procedure	As Per Method Referen			The state of the s		

	T REPORT		e de la companya de l	egan kanada (kg. 199 1911 - Garan Albania 1924 - Garan Albania
Parameter	Unit	Result (SPM)	The Environment (Protection) Rules, 1986 Standard	Method Referen ce
Metabodeli Village	µg∕m³	1006	1200	EPA Method
Chargaon Village	µg/m³	967		10-2.1

Terms & conditions

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Name & Address Of The Customer			UES/TR/23-24/06368		
TO,	A 55° AP 11	LAB REF NO	UES/23-24/W/01214	3-12146	
M/s Metabodeli Iron Ore Mine – 25 Ha Tahsil – Pakhanjur, Dist. – Kanker (C.G.)		DATE OF SAMPLING	09/11/2023		
		DATE OF RECEIPT	10/11/2023	1/2023	
		DATE OF REPORT	15/11/2023	END: 15/11/2023	
		DATE OF ANALYSIS	START: 10/11/2023		
	S:	AMPLE DETAILS			
Monitoring For	Work Zone Monitoring /	Fugitive Emission Mon	itoring		
Customer Ref. No. & Date	4200002664	HARTINE THE STATE WAS IN THE STATE OF THE ST	THE RESERVE OF THE PERSON OF T		
	8 Hours				
Duration Or Sampling	0 110000				
2000-00-00-00-00-00-00-00-00-00-00-00-00	Laboratory Chemist	TO ANTHONOR OF THE OPERATOR AND AN ARTHUR PROPERTY OF THE PROP	is a ratio to provide a company of the company of t	the state of the s	
Duration Of Sampling Sample Collected By Sampling Procedure		e			

	TEST REPORT			
Parameter Annual Control of Cont	The second secon	Result (SPM)	The Environment (Protection) Rules, 1986 Standard	Method Referen ce
Near Crushing & Screening	μg/m³	1010		
Ore Storage & Loading Area	µg/m³	806		EPA
Service Road	μg/m³	658	1200	Method IO-2.1
Mining Face / Benches	µg/m³	607		Medicini - conservidado

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-End of the test report-----



e vin i de dice s e Six Pae i Liusio	7.; C 7	REPORT NO	UES/TR/23-24/06366 UES/23-24/ST/012139		
To,		LAB REF NO			
M's Metabodeli Iron Ore Mine – 25 Ha Tahsil – Pakhanjur, Dist. – Kanker (C.G.)		ne – 25 Ha DATE OF SAMPLING			
		DATE OF RECEIPT	09/11/2023		
	·	DATE OF REPORT	15/11/2023		
		DATE OF ANALYSIS	START:09/11/2023	END: 15/11/2023	
	DG Stack Emission Monitoring	PLE DETAILS	FRANKLING (III)		
Monitoring For	4200002664		3333		
Customer Ref. No. Sampling Location	DG SET 380 KVA		1880	· · · · · · · · · · · · · · · · · · ·	
Sampling Location Sample Collected By Sampling Procedure	Laboratory Chemist	rmed 2009; Part 3:2008	3, Part 7:2005 Reaffix	med 2012,	
Sample Quantity/Packing	Is 11255 Part 1,2:1985 Realist. Thimble: 1 X 1 No., SO ₂ : 30 ml Bladder: 1 X 1 No.,	X 1 No. PVC Bottle,	NOX. 25 MI A I NO. 110		

	ΤΕΘΊ	REPORT		中国		
Stack details				A.J.A.		
Stack Identity	DG set 380 KVA					
Stack attached to		Gen	erator 380	MACON		
Material of construction			MS Plate			
Stack height above ground level	333233		10 meter			
Stack diameter			0.10 Mete	Marian Ma		
Stack shape at top	Circular					
Type of fuel	Diesel					
Parameter	Unit	Result	Limit	Method Reference		
Flue gas Temperature	°C	158	-	IS 11255 (Part 3):2008		
Flue gas velocity	m/s	12.6	-	IS 11255 (Part 3):2008		
Total gas quantity	Nm³/h	246.2	-	IS 11255 (Part 3):2008		
Total Particulate Matter (PM) (Corrected at 15 % O ₂)				IS 11255 (Part 1):1985, RA 2003		
Sulphur Dioxide (SO ₂)	g/kw-h	1.06	-	IS 11255 (Part 2):1985, RA 2003		
Oxides of Nitrogen (NO _X)(Corrected at 15 % O ₂) Dry Basis	y			IS 11255 (Part 7):2005, RA 2012		
Non-Methane hydrocarbon (NMHC) (Corrected at 15 % O ₂)	g/kw-h	0.43	<4.0	APHA METHOD 109, P-259		
Carbon Monoxide (CO)	g/kw-h	0.61	<345	APHA METHOD 130, P-359		

REMARKS: RESULTS ARE AS ABOVE

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To, M/s Metabodeli Iron Ore Mine – 25 Ha		REPORT NO LAB REF NO	UES/TR/23-24/06367 UES/23-24/ST/012140		
		DATE OF SAMPLING	i 08/11/2023		
		DATE OF RECEIPT	09/11/2023		
		DATE OF REPORT	15/11/2023		
		DATE OF ANALYSIS	START:09/11/2023	END: 15/11/2023	
MONTH OF THE BOOK OF	SAM	PLE DETAILS			
Monitoring For	DG Stack Emission Monitoring				
Customer Ref. No.	4200002664	•			
Sampling Location	DG SET 500 KVA		11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Sample Collected By	Laboratory Chemist		The second of the second secon	The part of the second of the	
Sampling Procedure	Is 11255 Part 1,2:1985 Reaffir	med 2009; Part 3:2008	, Part 7:2005 Reaffirm	ned 2012,	
Sample	Thimble: 1 X 1 No., SO_2 : 30 ml	X 1 No. PVC Bottle, N	Ox: 25 ml X 1 NO. PVC	Bottle, Rubber	
Quantity/Packing	Bladder: 1 X 1 No., Hg: 500ml	X 1 No. Glass Bottle	& 500ml X 3 NO. PVC Bo	ottle.	

	o de la companya della companya della companya de la companya della companya dell	T REPORT				
Stack details						
Stack Identity		DG set 500 KVA				
Stack attached to		Ger	nerator 500	OKVA		
Material of construction		:	MS Plate			
Stack height above ground level		4	10 meter			
Stack diameter		444,000	0.2 mete			
Stack shape at top		Circular				
Type of fuel		Diesel				
Parameter	Unit Result Limit Method Refere			Method Reference		
Flue gas Temperature	°C	164	-	IS 11255 (Part 3):2008		
Flue gas velocity	m/s	13.3	_	IS 11255 (Part 3):2008		
Total gas quantity	Nm³/h	1025.2	_	IS 11255 (Part 3):2008		
Total Particulate Matter (PM) (Corrected at 15 % O₂)	g/kw-h	0.072	<0.2	IS 11255 (Part 1):1985, RA 2003		
Sulphur Dioxide (SO ₂)	g/kw-h	0.91	-	IS 11255 (Part 2):1985, RA 2003		
Oxides of Nitrogen (NO _x)(Corrected at 15 % O ₂) Dry Basis	g/kw-h					
Non-Methane hydrocarbon (NMHC) (Corrected at 15 % O₂)	g/kw-h	0.39	<4.0	APHA METHOD 109, P-259		
Carbon Monoxide (CO)	g/kw-h	0.53	<3.5	APHA METHOD 130, P-359		

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--End of the test report---



To.	3.000 ft	REPORT NO.	UES/TR/23-24/06371	· · · · · · · · · · · · · · · · · · ·	
•	O Billion OF Un	LAB REF NO.	UES/23-24/W/01214	9	
	ron Ore Mine – 25 Ha	DATE OF SAMPLING	09/11/2023		
Tahsil – Pakhanj	ur, Dist. – Kanker (C.G.)	DATE OF RECEIPT	10/11/2023	11/2023	
		DATE OF REPORT	15/11/2023		
		DATE OF ANALYSIS	START: 10/15/2023	END: 15/11/2023	
	SAMP	LE DETAILS			
Customer Sample Id / Sampling Location	Metabodeli 25 ha Mine Office	CUSTOMER REF. NO.	4200002664		
Sample Type	Drinking Water	Sample Condition At Receipt	Ok	11 D. 12 12 12 12 12 12 12 12	
Packing of Sample	Plastic Bottle	Sample Collected By	Laboratory Chemist	-	
Other Details	Sealed	Quantity Received	Approx 5 Ltr.		

REPORT NO.: 06371

TEST REPORT							
SR. NO.	PARAMETER.	UNIT	METHOD OF TEST	AS PER IS Acceptable Limit	10500:2012 Permissible limit	RESULT	
1	Colour	Hazen	IS:3025:(Part-4)	5	15	<1	
2	pH Value at 25.4°C		IS:3025:(Part-11)	6.5-8.5	No Relaxation	7.27	
3	Total Suspended Solids	mg/L	IS:3025:(Part-17)	_		N.D.	
4	Total Dissolved Solids	mg/L	IS:3025:(Part-16)	500	2000	154.0	
5	Chloride (as Cl)	mg/L	IS 3025:(Part-32)	250	1000	15.9	
6	Turbidity	NTU	IS 3025:(Part-10)	1	5	0.35	
7	Total Alkalinity (as CaCO3)	mg/L	IS 3025:(Part-23)	200	600	52.0	
8	Total Hardness (as CaCO ₃)	mg/L	IS 3025:(Part-21)	200	600	80.0	
9	Calcium (as Ca)	mg/L	IS 3025:(Part-40)	75	200	17.64	
10	Magnesium (as Mg)	mg/L	IS 3025:(Part-46)	30	100	8.75	
11	Sulphate (as SO ₄)	mg/L	IS 3025:(Part-24)	200 .	400	2.88	
12	Sodium (as Na)	mg/L	APHA 22 nd Edition	Simple Communication Communica	100 mm	9.79	
13	Fluoride (as F)	mg/l	IS 3025(part-60)	1	1.5	0.14	
14	Nitrate (as NO3)	mg/l	IS 3025(part-34)	45	No Relaxation	0.79	
15	Silica	mg/L	APHA 22 nd Edition	3000	-	N.D.	
16 .	Copper (as Cu)	mg/l	IS 3025(part-42)	0.05	1.5	N.D.	
17	Iron (as Fe)	mg/l	IS 3025(part-53)	0.3	No Relaxation	0.16	
18	Zinc (as Zn)	mg/l	IS 3025(part-49)	5	15	N.D.	
19	Chemical Oxygen Demand (COD)	mq/l	IS 3025(part-58)			N.D.	



TEST REPORT							
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	Acceptable	10500:2012 Permissible	RESULT	
20	Biochemical Oxygen Demand (BOD) for 3 days at 27°C	mg/l	IS:3025:(Part-44)	<u>-</u>		N.D.	
21	Nickel (as Ni)	mg/l	IS:3025;(Part-54)	0.02	No Relaxation	N.D.	
22.	Dissolve Oxygen (DO)	mg/l	IS:3025:(Part-38)	-	-	N.D.	
23	Manganese (as Mn)	mg/l	IS 3025(part-59)	0.1	0.3	N.D.	
24	Cadmium (as Cd)	mg/l	IS 3025(part-41)	0.003	No Relaxation	N.D.	
25	Lead (as Pb)	mg/l	IS 3025(part-47)	0.01	No Relaxation	N.D.	
26	Chromium (as Cr)	mg/l	Annex J of IS:13428	0.05	No Relaxation	N.D.	
27	Phosphate (as PO4)	mg/L	APHA 22 nd Edition		-	N.D.	
28	Arsenic (as As)	mg/l	IS 3025(part-37)	0.01	0.05	N.D.	
29	Mercury (as Hg)	mg/l	IS 3025(part-48)	0.001	No Relaxation	N.D.	
30	Phenolic Compound (as C6H5OH)	mg/l	IS 3025(part-43)	0.001	0,002	N.D.	
31	Cyanide (as CN)	mg/l	IS 3025(part-27)	0.05	No Relaxation	N.D.	
32	Total Coliform	MPN/ 100ml	IS:1622:1981:RA: 2019	A SAN AND AND AND AND AND AND AND AND AND A	-	Absent	
33	E. Coli	MPN/ 100ml	IS: 1622:1981:RA: 2019			Absent	

Note: mg/lit.: milligram per liter, N.D.: Not Detected.

REMARKS: RESULTS ARE AS ABOVE

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----End of the test report--



Name & Address Of The Cus.	tomer	REPORT NO.	UES/TR/23-24/06372	2
M/s Metabodeli	Iron Ore Mine – 25 Ha	LAB REF NO.	UES/23-24/W/01215	0
		DATE OF SAMPLING	09/11/2023	And the state of t
ransı – Fakılan	jur, Dist. – Kanker (C.G.)	DATE OF RECEIPT	10/11/2023	annanna mosa e per manual (op reger e gal salando e e 22 de 24 de 24 de 18
		DATE OF REPORT	15/11/2023	errencussiani salementus esemperintantus esemperintantus esemperintantus esemperinten esemparatus esemparatus e
		DATE OF ANALYSIS	START: 10/15/2023	END: 15/11/2023
	SAME	LE DETAILS		
Customer Sample Id / Sampling Location	Near Solar Pump	CUSTOMER REF. NO.	4200002664	
Sample Type	Drinking Water	Sample Condition At Receipt	Ok	
Packing of Sample	Plastic Bottle	Sample Collected By	Laboratory Chemist	The same of the sa
Other Details	Sealed	Quantity Received	Approx 5 Ltr.	

			TEST REPO	RT		
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS Acceptable Limit	Permissible	RESULT
1	Colour	Hazen	IS:3025:(Part-4)	5	15	<1
2	pH Value at 25.4°C	_	IS:3025:(Part-11)	6.5-8.5	No Relaxation	7.09
3	Total Suspended Solids	mg/L	IS:3025:(Part-17)			N.D.
4	Total Dissolved Solids	mg/L	IS:3025:(Part-16)	500	2000	163.0
5	Chloride (as Cl)	mg/L	IS 3025:(Part-32)	250	1000	17.9
6	Turbidity	NTU	IS 3025: (Part-10)	1	5	0.14
7	Total Alkalinity (as CaCO3)	mg/L	IS 3025:(Part-23)	200	600	96.0
8	Total Hardness (as CaCO3)	mg/L	IS 3025:(Part-21)	200	600	114.0
9	Calcium (as Ca)	mg/L	IS 3025:(Part-40)	75	200	34,47
LO	Magnesium (as Mg)	mg/L	IS 3025: (Part-46)	30	100	6.80
. 1	Sulphate (as SO ₄)	mg/L	IS 3025: (Part-24)	200	400	21.92
.2	Sodium (as Na)	mg/L	APHA 22 nd Edition	_		2.64
. 3	Fluoride (as F)	mg/l	IS 3025(part-60)	1	1.5	0.07
4	Nitrate (as NO ₃)	mg/l	IS 3025(part-34)	45	No Relaxation	9.68
5	Silica	mg/L	APHA 22 nd Edition	.000m		N.D.
6	Copper (as Cu)	mg/l	IS 3025(part-42)	0.05	1.5	N.D.
7	Iron (as Fe)	mg/l	IS 3025(part-53)	0.3	No Relaxation	0.09
8	Zinc (as Zn)	mg/l	IS 3025(part-49)	5	15	N.D."
9	Chemical Oxygen Demand (COD)	mg/l	IS 3025(part-58)			N.D.



Control Action Control		REPORT NO.	UES/TR/23-24/08225	The control of the co	
To,		LAB REF NO.	UES/23-24/W/015862		
M/s Metabodeli I	ron Ore Mine – 25 Ha	DATE OF SAMPLING	05/01/2024	C. AND COMPANY OF THE	
Tahsil - Pakhanjur, Dist Kanker (C.G.)		DATE OF RECEIPT	06/01/2024 10/01/2024		
		DATE OF REPORT			
		DATE OF ANALYSIS	END: 10/01/2024		
	samp	LE DETAILS			
Customer Sample Id / Sampling Location	Metabodeli 25 ha Mine Office	CUSTOMER REF. NO.	4200002664	and the second s	
Sample Type	Drinking Water	Sample Condition At Receipt	Ok		
Packing of Sample	Plastic Bottle	Sample Collected By	Laboratory Chemist		
Other Details	Sealed	Quantity Received	Approx 5 Ltr.		

			TEST REPOR	?T	kerisate nadam	
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS Acceptable Limit	10500:2012 Permissible limit	RESULT
1	Colour	Hazen	1S:3025:(Part-4)	5	15	<1
2	pH Value at 25.4°C	-	IS:3025:(Part-11)	6.5-8.5	No Relaxation	7.14
3	Total Suspended Solids	mg/L	IS:3025:(Part-17)		American American Indiana American Indiana American Indiana In	N.D.
4	Total Dissolved Solids	mg/L	IS:3025:(Part-16)	500	2000	137.0
5	Chloride (as Cl)	mg/L	IS:3025:(Part-32)	250	1000	13.9
6	Turbidity	NTU	IS:3025:(Part-10)	1	5	0.31
7	Total Alkalinity (as CaCO ₃)	mg/L	1S:3025:(Part-23)	200	600	46.0
8	Total Hardness (as CaCO3)	mg/L	IS:3025:(Part-21)	200	600	72.0
9	Calcium (as Ca)	mg/L	IS:3025:(Part-40)	75	200	16.03
10	Magnesium (as Mg)	mg/L	IS:3025:(Part-46)	30	100	7.78
11	Sulphate (as SO ₄)	mg/L	IS:3025:(Part-24)	200	400	2.56
12	Sodium (as Na)	mg/L	IS:3025:(Part-45)		-	8.71
13	Fluoride (as F)	mg/l	IS:3025(part-60)	1	1.5	0.12
14	Nitrate (as NO ₃)	mg/l	IS:3025: (part-34)	45	No Relaxation	0.71
15	Silica	mg/L	IS:3025:(Part-35)	•	_	N.D.
16	Copper (as Cu)	mg/l	IS:3025: (part-42)	0.05	1.5	N.D.
1.7	Iron (as Fe)	mg/1	IS:3025:(part-53)	0.3	No Relaxation	0.14
18	Zinc (as Zn)	mg/l	IS:3025: (part-49)	5	15	N.D.
19	Chemical Oxygen Demand (COD)	mg/l	Is:3025: (part-58)	And the second s	-	Ŋ.D.



			TEST REPO	RT		
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	Acceptable	Permissible	RESULT
20	Biochemical Oxygen Demand (BOD) for 3 days at 27°C	mg/l	IS:3025:(Part-44)	Limit	limit:	N.D.
21	Nickel (as Ni)	mg/l	IS:3025:(Part-54)	0.02	No Relaxation	N.D.
22	Dissolve Oxygen (DO)	mg/l	IS:3025:(Part-38)		- NOLGAGLION	N.D.
2.3	Manganese (as Mn)	mg/l	IS:3025: (part-59)	0.1	0.3	N.D.
24	Cadmium (as Cd)	mg/l	IS:3025:(part-41)	0.003	No Relaxation	N.D.
25	Lead (as Pb)	mg/l	IS:3025:(part-47)	0.01	No Relaxation	N.D.
26	Chromium (as Cr)	mg/l	Annex J of IS:13428	0.05	No Relaxation	N.D.
27	Phosphate (as PO4)	mg/L	IS:3025:(Part-31)	MAKE		N.D.
28	Arsenic (as As)	mg/l	IS:3025:(part-37)	0.01	0.05	N.D.
29	Mercury (as Hg)	mg/l	IS:3025: (part-48)	0.001	No Relaxation	N.D.
30	Phenolic Compound (as C6H5OH)	mg/l	IS:3025:(part-43)	0.001	0.002	N.D.
31	Cyanide (as CN)	mg/l	IS:3025:(part-27)	0.05	No Relaxation	N.D.
2	Total Coliform	MPN/ 100ml	IS:1622:1981:RA: 2019	WALL TO SEE THE SECOND		Absent
3	E. Coli	MPN/ 100ml	IS: 1622:1981:RA: 2019	The second is not safely supplied to the second	The state of the s	Absent

REMARKS: RESULTS ARE AS ABOVE

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e de la constant de l		REPORT NO.	UES/TR/23-24/08226
TO,		LAB REF NO.	UES/23-24/W/015863
M/s Metabodeli I	ron Ore Mine – 25 Ha	DATE OF SAMPLING	05/01/2024
Tahsil - Pakhanjur, Dist Kanker (C.G.)		DATE OF RECEIPT	06/01/2024
		DATE OF REPORT	10/01/2024
		DATE OF ANALYSIS	START: 06/01/2024 END: 10/01/2024
	SAME	LE DETAILS	
Customer Sample Id / Sampling Location	Near Solar Pump	CUSTOMER REF. NO.	4200002664
Sample Type	Drinking Water	Sample Condition At Receipt	Ok
Packing of Sample	Plastic Bottle	Sample Collected By	Laboratory Chemist
Other Details	Sealed	Quantity Received	Approx 5 Ltr.

REPORT NO.: 08226

TEST REPORT							
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS Acceptable Limit	10500:2012 Permissible	RESULT	
1	Colour	Hazen	IS:3025:(Part-4)	5	15	<1	
2	pH Value at 25.4°C	dian.	IS:3025:(Part-11)	6.5-8.5	No Relaxation	7.22	
3	Total Suspended Solids	mg/L	IS:3025:(Part-17)	-		N.D.	
4	Total Dissolved Solids	mg/L	IS:3025:(Part-16)	500	2000	145.0	
5	Chloride (as Cl)	mg/L	IS:3025:(Part-32)	250	1000	15.9	
6	Turbidity	NTU	IS:3025:(Part-10)	1	5	0.12	
7	Total Alkalinity (as CaCO ₃)	mg/L	IS:3025:(Part-23)	200	600	86.0	
8	Total Hardness (as CaCO3)	mg/L	IS:3025:(Part-21)	200	600	102.0	
9	Calcium (as Ca)	mg/L	IS:3025:(Part-40)	75	200	30.46	
10	Magnesium (as Mg)	mg/L	IS:3025:(Part-46)	30	100	6.31	
11	Sulphate (as SO ₄)	mg/L	IS:3025:(Part-24)	200	400	19.49	
12	Sodium (as Na)	mg/L	IS:3025:(Part-45)			2.35	
13	Fluoride (as F)	mg/l	IS:3025(part-60)	1	1.5	0.06	
14	Nitrate (as NO3)	mg/l	IS:3025:(part-34)	45	No Relaxation	8.61	
15	Silica	mg/L	IS:3025:(Part-35)		-	N.D.	
16	Copper (as Cu)	mg/l	IS:3025:(part-42)	0.05	1.5	N.D.	
17	Iron (as Fe)	mg/l	IS:3025:(part-53)	0.3	No Relaxation	0.08	
1.8	Zinc (as Zn)	mg/l	IS:3025:(part-49)	5	15	N.D.	
19	Chemical Oxygen Demand (COD)	mg/l	IS:3025:(part-58)		-	N.D.	





REPORT NO.: 08226

	TEST REPORT								
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS Acceptable Limit	10500:2012 Permissible	RESULT			
20	Biochemical Oxygen Demand (BOD) for 3 days at 27°C	mg/l	IS:3025:(Part-44)	- -		N.D.			
21	Nickel (as Ni)	mg/l	IS:3025:(Part-54)	0.02	No Relaxation	N.D.			
22	Dissolve Oxygen (DO)	mg/l	IS:3025:(Part-38)			N.D.			
23	Manganese (as Mn)	mg/l	IS:3025:(part-59)	0.1	0.3	N.D.			
24	Cadmium (as Cd)	mg/l	IS:3025:(part-41)	0.003	No Relaxation	N.D.			
25	Lead (as Pb)	mg/l	IS:3025:(part-47)	0.01	No Relaxation	N.D.			
26	Chromium (as Cr)	mg/l	Annex J of IS:13428	0.05	No Relaxation	N.D.			
27	Phosphate (as PO4)	mg/L	IS:3025:(Part-31)	Ave	***	N.D.			
28	Arsenic (as As)	mg/l	IS:3025:(part-37)	0.01	0.05	N.D.			
29	Mercury (as Hg)	mg/l	IS:3025:(part-48)	0.001	No Relaxation	N.D.			
30	Phenolic Compound (as C6H5OH)	mg/l	IS:3025:(part-43)	0.001	0.002	N.D.			
31	Cyanîde (as CN)	mg/l	IS:3025:(part-27)	0.05	No Relaxation	N.D.			
32	Total Coliform	MPN/1 00ml	IS:1622:1981:RA: 2019	The state of the s	-	Absent			
33	E. Coli	MPN/ 100ml	IS: 1622:1981:RA: 2019	A TO COMMENT OF THE PROPERTY O		Absent			

Note: mg/lit.: milligram per liter, N.D.: Not Detected. REMARKS: RESULTS ARE AS ABOVE

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For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

-----End of the test report-----