

Letter No.: HIL/EC/GP- IV/5/I/2022-23/ 4 25

24th November, 2022

The Integrated Regional Office, Ministry of Environment Forests & Climate Change (MoEF & CC) Aranya Bhawan, North Block, Sector – 19, Naya Raipur, Atal Nagar, Chhattisgarh, 492002

Subject: Half Yearly EC Compliance Report for 1 MTPA Under Ground Captive Coal Mine, Gare Palma IV/5 Coal Mines of Hindalco Industries Limited, Village – Milupara, Tehsil – Tamnar, District – Raigarh, Chhattisgarh.

Respected Sir,

This has reference to the Environment Clearance Letter no. – J-11015/8/1998- IA –II. (M) dated 16.04.2015 (Transferred in favour of HIL). We are submitting herewith the Half Yearly EC Compliance Report along with Environmental Monitoring Report (Hard & Soft) for the period from April 2022 to September 2022 for your kind perusal please.

The receipt of the report may kindly be acknowledged.

Yours faithfully, For Hindalco Industries Limited,

Govind Kumar (Mine Agent- GP IV/5 CM) Encl.: As Above.

- CC.: 1. Member Secretary, Chhattisgarh Environment Conservation Board, Paryavas Bhawan, Raipur Chhattisgarh.
 - 2. Regional Officer, Chhattisgarh Environment Conservation Board, TV tower Road, Raigarh (CG).
 - 3. Member Secretary, CPCB Parivesh Bhawan, East Arjun Nagar Delhi 110032
 - The Regional Director, Regional Directorate (Central), Bhopal, Central Pollution Control Board (MoEF & CC, GOI), "Parivesh Bhawan" Paryavaran Parishar, E – 5, Arera Colony, Bhopal (MP), 462016
 - 5. The Director (Monitoring Cell), Ministry of Environment, Forest & Climate Change, IPB, Aliganj, Jorbagh Road, New Delhi 110003

Hindalco Industries Limited

Gare Palma Mines (IV/4 & IV/5), Vill & Po: Milupara , Tehsil: Tamnar Dist: Raigarh- 496107 , Chhattisgarh T: +917762 228212, Website : www.hindalco.com E mail : hindalco@adityabirla.com Registered Office : Ahura Centre, 1st Floor, 8 Wing, Mahakali Caves Road Andheri (East) , Mumbai 400093, India T: + 912266917000 | Fax: + 912266917001 Corporate ID No: L27020MH1958PLC011238 Compliance Report on conditions of Environment Clearance for Gare-Palma IV/5 coal mining project Transfer by Ministry of Environment, Forests & Climate Change vide letter no. J-11015/ 8/1998-IA. II (M) Dated: - 16th April 2015 for Under Ground Mining 1.0 Million Ton/Annum Production Capacity.

Sr. No.	Conditions	Status	
1	Any change in scope of work will attract the	Noted.	
	provisions of Environment Protection Act (EPA),		
	1986 and Environment Impact Assessment		
	Notification, 2006 in conjunction with the		
	subsequent amendments/circulars.		
2	All conditions stipulated in the EC letter No.J-	Noted.	
	11015/8/1998-IA.II (M) dated 31 st August, 2000		
	shall remain unchanged.		
3	The successful bidder shall be liable, if any, for any	Noted.	
	act of violation of the EPA 1986/EIA Notification		
	2006/subsequent amendments and circulars which		
	it has inherited during the transfer.		
4	Successful bidder shall be liable for compliance of all	Noted.	
	court directions, if any.		

Compliance Report on conditions of Environment Clearance for Gare-Palma IV/5 coal mining project given by Ministry of Environment, Forests & Climate Change vide letter no. J-11015/ 8/1998-IA. II (M) Dated: - 31st August 2000 for Under Ground Mining 1.0 Million Ton/Annum Production Capacity

Sr. No.	Conditions	Status
A. S	pecific Conditions	
i	Regular Monitoring of subsidence movement on the surface over working areas and impact on water bodies/ vegetation/ structures/ surroundings should be continued till movement ceases completely. In case of observation of any high rates of subsidence movement, appropriate measures should be taken to avoid loss of life and materials. Cracks should be effectively plugged with ballast and clayey soil/ suitable material.	Pillar. Regular monitoring of

		and clayey soil/suitable material if observed. The subsidence study was already carried out for working panel by CSIR – Central Institute of Mining & Fuel Research Dhanbad in May 2019 for GP IV/5 Coal mines.
ii	Adequate underground barrier should be left in consultation with the Director General of Mines & Safety (DGMS). Depillaring should also be carried out after taking approval from DGMS.	Adequate underground barrier as required are being maintained between the working face and the river in consultation with DGMS and also at other places whenever required. Depillaring operation was not carried out during last one year.
iii	Garland drains should be constructed around the waste rock and ore stockpiles to prevent surface run-off.	Garland drain have been constructed around the coal stock yard to prevent the surface run-off.
iv	A Green Belt of adequate width should be raised by planting the local species along the mine boundary, Waste rock dumps, ore stockpile, ventilation fan road and selected open areas in consultation with local DFO/ Agriculture Department. Density of tree should be at least 2500 plants per ha.	Plantation in mines area is being done. At present 52104 nos. of trees have been planted within the Mine boundary and other places. Trees species planted are Neem, Mahua, Jamun, Mango, Guava, Imli,. Drumstick, Teak, Shivan / Ghamar, Sisham, Sirus, Bamboo, Peltafarm, Nilgiri, Amla, Saptaparni,Kathal,kassod tree, Arjuna & Kachnar etc. in consultation with DFO. Plantation has been carried out @2500 per hectare and will also be ensure in future. Plantation details enclosed as <u>Annexure –1.</u>
V	Compensation to the 14 land losers from whom private land will be acquired should be paid as per the state government norms.	Compensation to the 14 land losers has been paid by the company.
vi	The project authority should conduct a subsidence estimation study and submit the report to the Ministry within six months.	Subsidence estimation study report has been submitted to the Ministry by Prior allottee.
vii	The project proponent will construct "Check dams "at the sites proposed by the State Ground water Department in their report. While undertaking the proposed	As per requirement the check dam site will be constructed in consultation with state forest department and Ground water

	mining, the construction of the check dams should be carried out in with Ground water survey department, Government of MP (presently Chhattisgarh) and should have necessary financial provision and technical expertise. This should be communicated to the MoEF and CGWB.	survey department, Government of Chhattisgarh and will be communicated to MOEF& CC and CGWA.
viii	Regular monitoring of the Ground water level and quality should be carried out by establishing a network of existing wells and constructing new Piezometer during the mining operations. The interval of monitoring should be four times a year- Pre monsoon (April to May), Monsoon (August), Post Monsoon (November) and winter (January). The data thus collected may be sent regularly to MoEF and CGWB for information.	Being Complied. Regular monitoring of groundwater level and quality of the area is being carried out by establishing a network of existing wells/Piezometers. The Ground water level (from April 2022 to September 2022) and quality Monitoring report of Pre - monsoon (May 2022) and Monsoon (August 2022) is attached as <u>Annexure No2.</u>
		Quarterly monitoring report of Ground Water Level (from April 2022 to June 2022) and (from July 2022 to September 2022) & GW Quality Monitoring for the month of Pre - monsoon (May 2022) and Monsoon (August 2022) has been submitted to MoEF & CC, CPCB and CECB on quarterly within one month of monitoring basis. Attached as Annexure No. – 3.
ix	Digital processing of the entire lease using remote sensing technique should be regularly once in three years for monitoring land use pattern and report submitted to MoEF and its regional officer.	Report on Assessment of Land Use / Land Cover using High Resolution Satellite Imagery for the GP Mine IV/5 Coal Mine was carried out by IndiGEO Consultants, Bangalore in the month of December 2019 and the report was submitted to your office dated 27 May 2020.
X	A detailed mine decommissioning plan should be submitted to the MoEF, five years in advance for approval.	Detailed mine decommissioning plan will be submitted to the Ministry of Environment and forests, five years in advance for approval as applicable.
B. Genera	al Conditions	

		N. I. I. I. I. I. I. I.
i	No change in mining technology and scope	Noted and being complied.
	of working should be made without prior	
	approval of the MoEF.	
ii	No change in the calendar plan including	Noted.
	excavation quantum of mineral coal and	
	waste should be made.	
iii	Four ambient air quality stations should be	Four ambient air quality
	established in the core zone as well as the	monitoring stations (Core Zone) &
	buffer zone for RPM, SPM, SO2, NOx & CO	Four ambient air quality
	Monitoring. Location of stations should be	monitoring stations (Buffer Zone)
	decided based on the meteorology data,	have been established and regular
	topographical features and environmental	monitoring is being carried out.
	and ecologically sensitive targets in	Reports are being periodically
	consultation with the State Pollution	furnished to CECB.
	Control Board.	Copy of AAQ Monitoring Report
		from the period April 2022 to
		September 2022 is enclosed as
		Annexure –4.
iv	Data of ambient air quality (RPM, SPM,	Four ambient air quality
	SO2, NOx & CO) should be regularly	monitoring stations (Core Zone) &
	submitted to the Ministry including its	Four ambient air quality
	Regional Officer at Bhopal (Currently	monitoring stations (Buffer Zone)
	Raipur) and the State Pollution Control	have been established and regular
	Board & Central Pollution Control Board	monitoring is being carried out.
	(Currently Raipur).	Reports are being periodically
		furnished to CECB.
		Copy of AAQ Monitoring Report
		from the period April 2022 to
		September 2022 is already
		enclosed.
V	Drill should be wet operated.	Complied.
vi	Fugitive dust emission from all the sources	Fixed type water sprinkler has been
	should be controlled, regularly monitored	provided at all along the roads, and
	and the data recorded properly. Water	loading points etc. to control the
	spraying arrangement on haul roads,	fugitive dust emission.
	Wagons, loading dump trucks (loading and	Photographs of fixed type of water
	unloading) should be provided and	sprinklers at GP IV/5 Coal Mines is
	properly maintained.	attached as <u>Annexure – 5.</u>
vii	Adequate measures should be taken for	Ear muffs/plugs has been provided
	control of noise level below 80db in the	to the all workers engaged in
	work environment. Workers engaged in	blasting and drilling operations,
	blasting and drilling operation, operations	operations of HEMM etc. The Noise
	of HEMM etc. should be provided with ear	monitoring report for the period
	plugs/ muffs	from April 2022 to September 2022
		is enclosed as <u>Annexure - 6.</u>

viii	Industrial waste water (workshop and waste water from the mine) should be properly collected and treated so as to conform on the standards prescribed under GSR 422 dated 19.05.1993 and 31.12.1993 or as amended from time to time. Oil and grease trap should be installed before discharge of workshop effluents in to the pond.	We have constructed 05 Nos. of settling pond & 02 nos of ETP (Capacity 200 m3 / Hr Each) along with Lamella clarifier with chemical dosing arrangement for the treatment of mine seepage water, the treated water is being used for spraying / sprinkling on mines roads and also for greenbelt development inside the mine premises & remaining treated water from ETP is being distributed to the nearby villagers for irrigation & agriculture purpose (other than drinking). Copy of Analysis Report (ETP Inlet & Outlet) for the period from April 2022 to September 2022 is attached as <u>Annexure – 7</u> Photographs of Treatment Facility at GP IV/5 Coal Mines is attached as <u>Annexure – 7A</u> Also HIL provided the Sewage Treatment Plant of capacity 50 m3/day at Kondkel to treat the domestic waste water generated from Toilets, bathroom etc. Copy of Analysis Report (Inlet & Out of STP) for the period from April 2022 to September 2022 is attached as <u>Annexure – 8.</u> Photographs of Sewage Treatment Plant installed at GP IV/5 Coal Mines (Kondkel) is attached as
		Annexure – 8A.
ix	Acid mine water if any has to be treated and disposed off after conforming to the standards prescribed by the competent authority.	There is no acid mine water. Provided ETP (Capacity 200 m3 / Hr Each) along with Lamella clarifier with chemical dosing arrangement for the treatment of mine seepage water and the analysis report of treated water quality are being periodically furnished to SPCB.
х	Environmental laboratory should be established with adequate number and	We have engaged CECB & MoEF&CC approved and NABL

	type of pollution monitoring and analysis equipment in consultation with the State Pollution Control Board	accredited Laboratory I.e. M/s Ultimate Envirolytical Solutions Raipur to carried out the mine environmental parameters monitoring. Approval letter of Monitoring Agency from CECB Raipur, MoEF&CC & NABL accredited Laboratory certificate is attached
		as <u>Annexure No. – 9.</u>
xi	Personnel working in dust area should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance of the workers should be undertaken periodically to observe any contractions due to exposure to coal dust and take corrective measures if needed.	Personnel working in dusty areas are wearing protective respiratory devices and they have also been provided with adequate training and information on safety and health aspect. Occupational health surveillance program of the workers is being undertaken periodically to observe any contraction due to exposure to coal dust and corrective measures will been taken accordingly.
xii	A separate environmental management cell with suitable qualified personnel should be set up under the control of a senior executive who will report directly to the Head of the Organization.	A separate Environmental Management Department is functioning at Coal Mine under the direct control of a senior executive.
xiii	The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to Ministry.	The funds earmarked for environmental protection measures has been budgeted separately and not been diverted for other purposes. Environmental Expenditure details from April 2022 to September 2022 is enclosed as <u>Annexure – 10.</u>
xiv	The Regional Officer of the ministry located at Bhopal (currently Raipur) shall monitor compliance of the stipulated conditions. The project authorities should extent full co-operation to the officer (s) of the Regional Officer by furnishing requisite data information / monitoring reports	Agreed and cooperation will be extended on time to time.
xv	A copy of the clearance letter will be marked to concerned Panchayat/ local NGO if any from whom suggestion /	Complied by Prior Allottee.

	representation has been received while processing the proposal	
xvi	State Pollution Control Board should display a copy of the clearance letter at the Regional Office, District Industry Centre and Collector's Office/ Tehsildar's office for 30 days	Complied by Prior Allottee.
xvii	The project authorities should advertise at least two local newspapers widely circulated around the project one of which shall be in vernacular language of the locality concerned informing that the project has been accorded environmental clearance and the copy of the clearance letter is available with the State Pollution Control Board and may also be seen at web site of the MoEF at http:/envfor.nic.in	Complied by Prior Allottee.

Annexure-1

	Year wise plantation detail of Gare Palma IV/5 Coal Mine							
Year	Location	No. of Tree Planted (Approx.)	Survival Rate (%)	Number of Plant Survived	Area Covered in Plantation (hectare)	Sapling Details		
Upto			82.00	24600	9.84			
2015		30000	82.00	24000	9.84	Neem, Mahua, , Jamun,		
2016	Caal	2000	85.00	1700	0.68	Mango, Guava, Imli,.		
2017	Coal	5000	80.00	4000	1.60	Drumstick, Teak, Shivan		
2018	mine	5000	92.00	4600	1.84	/ Ghamar, Sisham, Sirus,		
2019	lease	5000	93.00	4650	1.86	Bamboo, Peltafarm,		
2020	area	1100	95.00	1045	0.42	Nilgiri, Amla,		
2021		1504	91.00	1369	0.55	Saptaparni, Kathal, kasso		
2022		2500	95.00	2375	0.95	d tree, Arjuna & Kachnar etc		
	Total 52104 89.13 44339 17.7							
	E2104 90 12 44220 17 7							







Annexure-2

Sr. No.	Location	Types of Structure	In Meters		
		Stucture	Ground Water level (BGL) Apr 2022	Ground Water level (BGL) May 2022	Ground Water level (BGL) Jun 2022
1	Bankheta (Near HIL Office)	Borewell/ AWLR	12.64	12.99	13.33
2	Banjikhol (Near Office)	Borewell/ AWLR	25.17	25.30	25.36
3	Milupara (Near Office)	Borewell/ AWLR	12.81	13.28	13.63
4	HIL Staff Quarter	Borewell/ AWLR	8.26	8.80	9.04
5	Milupara Village (PHC-HIL)	Dugwell	7.26	6.14	6.00
6	Sakta Village (Near Primary School)	Dugwell	5.28	. 3.59	3.50
7	Sidarpara Village (Near Primary School)	Dugwell	12.80	9.58	9.37
8	Beljor Village	Dugwell	8.76	7.18	7.34

Ground Water Level Monitoring Report in and around the Coal Mine Area (From Apr 2022 to Jun 2022)

. .

Sr. No.	Location	Types of Structure	In Meters		
			Ground Water level {BGL} Jul 2022	Ground Water level (BGL) Aug 2022	Ground Water level (BGL) Sep 2022
1	Bankheta (Near HIL Office)	Borewell/ AWLR	11.51	7.11	6.62
2	Banjikhol (Near Office)	Borewell/ AWLR	25.55	25.55	25.59
3	Milupara (Near Office)	Borewell/ AWLR	11.55	9.05	8.34
4	HIL Staff Quarter	Borewell/ AWLR	7.45	4.67	4.18
5	Milupara Village (PHC-HIL)	Dugwell	3.31	1.32	0.27
6	Sakta Village (Near Primary School)	Dugwell	4.44	1.43	1.40
7	Sidarpara Village (Near Primary School)	Dugwell	5.44	3.62	3.28
8	Beljor Village	Dugwell	6.30	3.17	3.06

Ground Water Level Monitoring Report in and around the Coal Mine Area (From Jul 2022 to Sep 2022)



Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

Name & Address Of	The Customor	REPORT NO	UES/TR/22-23/01006 UES/22-23/W/01769 20/05/2022 21/05/2022		
TO,		LAB REF NO			
HINDALCO INDUSTRI		DATE OF EAMPLING			
GARE PALMA - IV/4, (VILLAGE - BANKHET		DATE OF RECEIPT			
POST -MILUPARA.	~	DATE OF REPORT	01/06/2022		
DISTT RAIGARH (C.	G.) 496107.	DATE OF ANALYSIS	START: 22/05/2022 END: 31/05/2022		
		AMPLE DETAILS			
Sample Type	GROUND WATER	ORDER /REFERENCE:	N/PO/SRV/2122/0045, DTD. 24-JULY-202		
CUSTMER SAMPLE ID	CUSTMER SAMPLE ID BANKLETA MINE (PLEECMETER) AWLR		ÇK		
PACKING OF SAMPLE S L X 1 HO. PVC GAN SELLED 1 L X 1 HO. PVC CAN 1 L X 1 HO. PVC CAN SELLED 1 L X 1 HO. PVC CAN 1 L X 1 HO. PVC CAN SELLED 1 L X 1 HO. PVC CAN 1 L X 1 HO. PVC CAN SELLED 1 L X 1 HO. PVC CAN 1 L X 1 HO. PVC CAN SELLED 1 L X 1 HO. PVC CAN 1 L X 1 HO. PVC CAN SELLED 1 L X 1 HO. PVC CAN 1 L X 1 HO. PVC CAN SELLED 1 L X 1 HO. PVC CAN 1 L X 1 HO. PVC CAN SELLED 1 L X 1 HO. PVC CAN 1 L X 1 HO. PVC CAN SELLED 1 L X 1 HO. PVC CAN 1 L X 1 HO. PVC CAN SELLED 1 L X 1 HO. PVC CAN 1 L X 1 HO. PVC CAN SELLED 1 L X 1 HO. PVC CAN 1 L X 1 HO. PVC CAN SELLED 1 L X 1 HO. PVC CAN 2003; APHA 22ND ED. 2012, 1060-B, 1-39		SAMPLE COLLECTED BY	CHEMIST 5 LTR		
		QUANTITY RECEIVED			

Report No.01006

In E			TEST REPORT			IN THE REAL PROPERTY.	
SR.				AS PER IS	10500:2012		
NO.	PARAMETER	UNIT	METHOD OF TEST	Acceptable Limit	Permissible Ilmit	RESULT	
1	Colour	Hazen	IS:3025:(Part-4)	5	15	<1	
2	Odour	-	IS 3025(part-5)	Agreeable	Agreeable	Agreeable	
3	Taste			Agreeable	Agreeable	Agreeable	
4	pH - APHA 23 rd Ed.2012,4500-H*-8, 4-92		6.5-8.5	NoRelaxatio n	7.59		
5	Turbidity	NTU	APHA 23 nd Ed.2012,2130-B,2-13	1	5	1.68	
6	Electrical Conductivity	µS/cm	IS 3025(part-14):1984, RA 2013	-	-	162.0	
7	Residual Chlorine	mg/Lit	APHA 23 nd Ed.2012,4500-Cl-G, 4 - 69	0.2	1	N.D.	
8	Total Solid .	mg/Lit	APHA 23 nd Ed.2012,2540- B, 2- 64	*	-	102.9	
9	Total Dissolved Solids	mg/Lit	IS 3025(part-16):1984, RA 2006	500	2000	98.1	
10	Total Suspended Solids	mg/Lit	APHA 23 ^M Ed.2012,2540- D, 2- 66		-	4.8	
11	Alkalinity Total (as CaCO ₃)	mg/Lit	IS 3025(part-23):1986, RA 2003	200	600	44.0	
12	Total Hardness (as CaCO ₃)	mg/Lit	APHA 23 rd Ed.2012,2340-C, 2- 44,45	200	600	52.0	
13	Calcium Hardness (as CaCO ₃)	mg/Lit	APHA 23 rd Ed.2012,3500-Ca-B, 3-67			38.0	
14	Magnesium Hardness (as CaCO ₃)	mg/Lit	APHA 23 nd Ed.2012,3500-Mg-B, 3-84	=	-	14.0	
15	Calcium (as Ca)	mg/Lit	APHA 23 nd Ed.2012,3500-Ca-B, 3-67	75	200	15.2	
16	Magnesium (as Mg)	mg/Lit	APHA 23 nd Ed.2012,3500-Mg-B, 3-84	30	100	3.4	
17	Chioride (as Ci)	mg/Lit	APHA 23 nd Ed.2012,4500-CI-B, 4-72	250	1000	16.9	
18	Sulphate (as SO4)	mg/Lit	APHA 23 nd Ed.2012,4500-SO4-E, 4-190	200	400	18.4	
19	Nitrate (as NO3)	mg/Lit	APHA 23 nd Ed.2012,4500-NO ₃ -B, 4-122	45	NoRelaxatio n	0.48	
20	Phosphate (as P)	mg/Lit	APHA 23nd Ed.2012,4500-P-C, 4-153	-	-	N.D.	
21	Sodium (as Na)	mg/Lit	APHA 23nd Ed.2012,3500-Na-8, 3-97		-	19.4	
22	Potassium (as K)	mg/Lit	APHA 23nd Ed.2012,3500-K-B, 3-	i i i i i i i i i i i i i i i i i i i	-	1.52	

.



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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

			TEST REPORT			
SR.				AS PER IS	10500:2012	
NO.	PARAMETER	PARAMETER UNIT	METHOD OF TEST	Acceptable	: Permissible limit	RESULT
			87		- HARDAR P.	
23	Boron (as B)	mg/Lit	APHA 23 nd Ed.2012,4500-B-B, 4- 25	0.5	1.0	N.D.
24	Iron (as Fe)	mg/Lit	APHA 23 rd Ed.2012,3111-B,3-18	0.3	NoRelazatio	N.D.
25	Fluoride (as F)	mg/Lit	APHA 23 nd Ed.2012,4500-F-8 &D, 4-84 & 87	1	1.5	0.16
26	Manganese (as Mn)	mg/Lit	APHA 23 ^{ml} Ed.2012,3111-B, 3-18	0.1	0.3	N.D.
27	Lead (as Pb)	mg/Lit	APHA 23" Ed.2012,3111-B, 3-18	0.01	NoRelaxatio	N.D.
28	Nickel (as Ni)	mg/Lit	APHA 23 nd Ed.2012,3500-Ni, 3- 108	0.02	No Relaxation	N.D.
29	Zinc (as Zn)	mg/Lit	APHA 23 rd Ed.2012,3111-8, 3-18	5	15	N.D.
30	Copper (as Cu)	mg/Lit	APHA 23 nd Ed.2012,3111-B, 3-18	0.05	1.5	N.D.
31	Cadmium (as Cd)	mg/Lit	APHA 23 nd Ed.2012,3500-Cd, 3- 105	0.003	NoRelaxatio	N.D.
32	Mercury (as Hg)	mg/Lit	APHA 23nd Ed.2012,3112-B, 3-23	0.001	NoRelaxatio	N.D.
33	Arsenic (as As)	mg/Lit	APHA 23nd Ed.2012,3114-C, 3-38	0.01	0.05	N.D.
34	Selenium (as Se)	mg/Lit	APHA 23** Ed.2012,3114-C, 3-38	0.01	NoRelaxatio	N.D.
35	Chromium (as Cr)	mg/Lit	APHA 23 nd Ed.2012,3500-Cr-B, 3-69	0.05	NoRelaxatio	N.D.
36	Anionic Detergent (as MBAS)	mg/Lit	APHA 23** Ed.2012,5540-C, 5-53	0.2	1.0	N.D.
37	Phenolic Compound (as C ₆ H ₅ OH)	mg/Lit	APHA 23 nd Ed.2012,5540-8 & C, 5-47	0.001	0.002	N.D.
38	Poly-nuclear Aromatic Hydrocarbon (PAH)	µg/Lit	APHA 23nd Ed.2012,6440-6-93	0.0001	NoRelaxatio	N.D.
39	Mineral Oil	mg/Lit	IS 3025 (part-39) : 1991, RA 2003	0.5	No Relaxation	N.D.
40	Oil & Grease	mg/Lit	IS 3025 (Part 39):1991, RA 2003		-	N.D.
licro	biological Analysis	*****			1	· · · · · · · · · · · · · · · · · · ·
1	Total Coliforms	MPN/ 100 ML	15:1622:1981: RA:2019		detectable in ni sample	Absent
2	Faecal Coliform	MPN/ 100ml	IS:1622:1981: RA:2019		detectable in ni sample	Absent
3	E. Coli	MPN/ 100ml	IS:1622:1981:RA:2019	Shall not be	detectable in ni sample	Absent
esti	tides		The second	wity 2001	n gangog [<u> </u>
1	p,p DDT	µg/L	US EPA 508-1995]		N.D.
2	o.p DDT	µg/L	US EPA 508-1995		L	N.D.
3	p,pDDE	µg/L	US EPA 508-1995	1		N.D.
4	p,p DDD	µg/L	US EPA 508-1995	1		N.D.
5	O,p DDD	µg/L	US EPA 508-1995	1	l,	N.D.
6	Gamma-HCH (Lindane)	µg/L	US EPA 508-1995	2		N.D.
7	Alpha-HCH	µg/L	US EPA 508-1995	0.0	01	N.D.
8	Beta-HCH	µg/L	US EPA 508-1995	0.0	34	N.D.



Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

Report No.01006

1	NEWS CONTRACTOR OF CONTRACT	CHARTER D	Station of the states of the	AS PER IS	10500:2012	
SR. NO.	PARAMETER	PARAMETER UNIT	METHOD OF TEST	Acceptable Limit	Pormissible Ilmit	RESULT
9	Delta HCH	µg/L	US EPA 508-1995	0.	04	N.D.
10	Alpha-Endosulfan	µg/L	US EPA 508-1995	0	.4	N.D
11	Beta-Endosulfan	µg/L	US EPA 508-1995	0	.4	N.D.
12	Endosulfansulphate	µg/L	US EPA 508-1995	0	.4	N.D.
13	Monocrotophos	µg/L	US EPA 8141A-1994		1	N.D.
14	Ethion	µg/L	US EPA 8141A-1994		3	N.D.
15	Chloropyrifos	µg/L	US EPA 8141A-1994	5	30	
16	Phorate	µg/L	US EPA 8141A-1994	2		N.D.
17	Phoratesulphoxide	µg/L	US EPA 8141A-1994	-		N.D.
18	Phoratesulphone	µg/L	US EPA 8141A-1994		-	N.D.
19	2,4-D .	µg/L	US EPA 515.1-1995	3	0	N.D.
20	Alachlor	µg/L	US EPA 508- 1995	2	0	N.D.
21	Atrazine	µg/L	US EPA 532-2000		2	N.D.
22	Methyl parathion	µg/L	US EPA 8141A-1994	0	.3	N.D.
23	Methyl paraxone	µg/L	US EPA 8141A-1994		•	N.D.
24	Malathion	µg/L	US EPA 8141A-1994	19	90	N.D.
25	Malaoxon	µg/L	US EPA 8141A-1994		-	
26	Aldrin	µg/L	US EPA 508- 1995	0.	03	N.D.
27	Dieldrin	µg/L	US EPA 508-1995	0.	03	N.D.

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

The report for publication, arbitration or as legal dispute is forbidden. X

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 0 AUTHORIZED SIGNATORY REVIEWED BY

End of the test report-



Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

Nome & Address of The Castomer TO, HINDALCO INDUSTRIES LIMITED, GARE PALMA - IV/4, COAL MINE, VILLAGE - BANKHETA, POST -MILUPARA, DISTT RAIGARH (C.G.) 496107.			ORT NO REF NO E OF SAMPLING E OF RECEIPT E OF REPORT	UES/TR/22-23/01007 UES/22-23/W/01770 20/05/2022 21/05/2022 01/06/2022 START:22/05/2022 END:31/05/2022			
DIGTT: - KAIGAN	1 (0.0.) 4301011	1	E OF ANALYSIS LE DETAILS	1	1:22/03/2022	END: 31/03/2022	
Sample Type	GROUND WATER		ORDER /REFERENC	E: N/PO/SRV/2122/0045, DTD. 24-JULY- 2021			
CUSTMER SAMPLE ID	BANJIKHOL MINE (PIEZOMET	er) awlr	SAMPLE CONDITIO	N AT	N AT OR		
9 L X 1 BO. PVC CAN PACKING OF SAMPLE 1 L X 1 RO. PVC CAN S 1 L X 1 RO. GLASS BOTTLE		SKALED	SAMPLE COLLECTED		d by <i>chemist</i>		
INTELING PROCEDURE IS: 3025 (PART I): 1987 RA 200 APHA 22ND ED. 2012, 1060-B			QUANTITY RECEI	ÆD	ED 5 ZIR		

Report No.01007

			TEST REPORT				
				AS PER IS	10500:2012		
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	Acceptable	Permissible limit	RESULT	
1	Colour	Hazen	IS:3025:(Part-4)	5	15	<1	
2	Odour		IS 3025(part-5)	Agreeable	Agreeable	Agreeable	
3	Taste	-	IS 3025(part-8)	Agreeable	Agreeable	Agreeable	
4	рН	-	APHA 23 nd Ed.2012,4500-H ⁺ -B, 4-92	6.5-8.5	NoRelaxation	6.94	
5	Turbidity .	NTU	APHA 23**Ed.2012,2130-B,2-13	1	5	2.0	
6	Electrical Conductivity	µS/cm	IS 3025(part-14):1984, RA 2013	-	-	186.4	
7	Residual Chiorine	mg/Lit	APHA 23 nd Ed.2012,4500-CI-G, 4 - 69	0,2	1	N.D.	
8	Total Solid	mg/Lit	APHA 23 nd Ed.2012,2540- B, 2- 64	-	-	116.7	
9	Total Dissolved Solids	mg/Lit	IS 3025(part-16):1984, RA 2006	500	2000	112.9	
10	Total Suspended Solids	mg/Lit	APHA 23 nd Ed.2012,2540- D, 2- 66		-	3.8	
11	Alkalinity Total (as CaCO ₁)	mg/Lit	IS 3025(part-23):1986, RA 2003	200	600	56.0	
12	Total Hardness (as CaCO ₃)	mg/Lit	APHA 23 nd Ed.2012,2340-C, 2- 44,45	200	600	88.0	
13	Calcium Hardness (as CaCO ₃)	mg/Lit	APHA 23 nd Ed.2012,3500-Ca-B, 3-67			44.0	
14	Magnesium Hardness (as CaCO ₃)	mg/Lit	APHA 23 nd Ed.2012,3500-Mg-B, 3-84	-	-	44.0	
15	Calcium (as Ca)	mg/Lit	APHA 23 nd Ed.2012,3500-Ca-B, 3-67	75	200	17.6	
16	Magneslum (as Mg)	mg/Lit	APHA 23 rd Ed.2012,3500-Mg-8, 3-84	30	100	10.6	
17	Chloride (as Cl)	mg/Lit	APHA 23 nd Ed.2012,4500-CI-B, 4-72	250	1000	29.9	
18	Sulphate (as SO ₄)	mg/Lit	APHA 23 nd Ed.2012,4500-SO4-E, 4-190	200	400	34.8	
19	Nitrate (as NO ₃)	mg/Lit	APHA 23 nd Ed.2012,4500-NO ₃ -B, 4-122	45	NoRelaxation	2.6	
20	Phosphate (as P)	mg/Lit	APHA 23nd Ed.2012,4500-P-C, 4-153	-	-	N.D.	



Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

Report No.01007

.

			TEST REPORT	C. DALL	San Strange	and the second
SR.				AS PER IS	10500:2012	
NO,	PARAMETER	UNIT	METHOD OF TEST	Acceptable Limit	Permissible limit	RESULT
21	Sodium (as Na)	mg/Lit	APHA 23nd Ed.2012,3500-Na-B, 3-97	-	_	8.8
22	Potassium (as K)	mg/Lit	APHA 23 rd Ed.2012,3500-K-B, 3-87	-	-	0.26
23	Boron (as B)	mg/Lit	APHA 23 ^{od} Ed.2012,4500-B-8, 4-25	0.5	1.0	N.D.
24	Iron (as Fe)	mg/Lit	APHA 23 nd Ed.2012,3111-B,3-18	0.3	NoRelaxation	N.D.
25	Fluoride (as F)	mg/Lit	APHA 23 rd Ed.2012,4500-F-B &D, 4-84 & 87	1	1.5	N.D.
26	Manganese (as Mn)	mg/Lit	APHA 23 rd Ed.2012,3111-B, 3-18	0.1	0.3	N.D.
27	Lead (as Pb)	mg/Lit	APHA 23rd Ed.2012,3111-8, 3-18	0.01	NoRelaxation	N.D.
28	Nickel (as Ni)	mg/Lit	APHA 23 nd Ed.2012,3500-NI, 3-	0.02	No Relaxation	N.D.
29	Zinc (as Zn)	mg/Lit	APHA 23 nd Ed.2012,3111-B, 3-18	5	15	N.D.
30	Copper (as Cu)	mg/Lit	APHA 23M Ed.2012,3111-B, 3-18	0.05	1.5	N.D.
31	Cadmium (as Cd)	mg/Lit	APHA 23 nd Ed.2012,3500-Cd, 3-	0.003	NoRelaxation	N.D.
32	Mercury (as Hg)	mg/Lit	APHA 23rd Ed.2012,3112-B, 3-23	0.001	NoRelaxation	N.D.
33	Arsenic (as As)	mg/Lit	APHA 23 rd Ed.2012,3114-C, 3-38	0.01	0.05	N.D.
34	Selenium (as Se)	mg/Lit	APHA 23nd Ed.2012,3114-C, 3-38	0.01	NoRelaxation	N.D.
35	Chromium (as Cr)	mg/Lit	APHA 23 nd Ed.2012,3500-Cr-B, 3-69	0.05	NoRelaxation	N.D.
36	Anionic Detergent (as MBAS)	mg/Lit	APHA 23 nd Ed.2012,5540-C, 5-53	0,2	1.0	N.D.
37	Phenolic Compound (as C ₆ H ₅ OH)	mg/Lit	APHA 23 nd Ed.2012,5540-B & C, 5-47	0.001	0.002	N.D.
38	Poly-nuclear Aromatic Hydrocarbon (PAH)	µg/Lit	APHA 23 nd Ed.2012,6440-6-93	0.0001	NoRelaxation	N.D.
3 9	Mineral Oil	mg/Lit	IS 3025 (part-39) : 1991, RA 2003	0.5	No Relaxation	N.D.
40	Oil & Grease	mg/Lit	IS 3025 (Part 39):1991, RA 2003	-	••	N.D.
4lcro	biological Analysis	L.n			-l	
1	Total Coliforms	MPN/ 100 ML	IS:1622:1981: RA:2019		etectable in any I sample	Absent
2	Faecal Coliform	MPN/ 100ml	IS:1622:1981: RA:2019		etectable in any	Absent
3	E. Coli	MPN/ 100mi	IS:1622:1981:RA:2019		etectable in any sample	Absent
•estic	ides:					
1	p,p DDT	µg/L	US EPA 508-1995		1	N.D.
2	o.p DDT	µg/L	US EPA 508-1995		1	N.D.
3	p,pDDE	µg/L	US EPA 508-1995	and the second s	1	N.D.
4	p,p DDD	µg/L	US EPA 508-1995		1	N.D.
5	O,p DDD	µg/L	US EPA 508-1995		1	N.D.
6	Gamma-HCH (Lindane)	µg/L	US EPA 508-1995		2	N.D.
7	Alpha-HCH	µg/L	US EPA 508-1995	Ω	.01	N.D.



Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

Report No.01007

Magin			2012年1月1日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日	AS PER IS	10500:2012	
SR. NO.	PARAMETER	PARAMETER UNIT	METHOD OF TEST	Acceptable Limit	Permissible limit	RESULT
8	Beta-HCH	µg/L	US EPA 508-1995	0.	04	N.D.
9	Delta HCH	µg/L	US EPA 508-1995	0.	04	N.D.
10	Alpha-Endosulfan	µg/L	US EPA 508-1995	0	.4	N.D.
11	Beta-Endosulfan	µg/L	US EPA 508-1995	0	.4	N.D.
12	Endosulfansulphate	µg/L	US EPA 508-1995	0	.4	N.D.
13	Monocrotophos	µg/L	US EPA 8141A-1994		1	N.D.
14	Ethion	µg/L	US EPA 8141A-1994		3	
15	Chioropyrifos	µg/L	US EPA 8141A-1994	30		N.D.
16	Phorate	µg/L	US EPA 8141A-1994	2		N.D.
17	Phoratesulphoxide	µg/L	US EPA 8141A-1994			
18	Phoratesulphone	µg/L	US EPA 8141A-1994		-	N.D.
19	2,4-D	µg/L	US EPA 515.1-1995	3	0	N.D.
20	Alachior	µg/L	US EPA 508- 1995	2	0	N.D.
21	Atrazine	µg/L	US EPA 532-2000		2	N.D.
22	Methyl parathion	µg/L	US EPA 8141A-1994	0	.3	N.D.
23	Methyl paraxone	µg/L	US EPA 8141A-1994		-	N.D.
24	Malathion	µg/L	US EPA 8141A-1994	1	90	N.D.
25	Malaoxon	µg/L	US EPA 8141A-1994			N.D.
26	Aldrin	µg/L	US EPA 508- 1995	0.	03	N.D.
27	Dieldrin	µg/L	US EPA 508-1995	0.	03	N.D.

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

- >
- The report for publication, arbitration or as legal dispute is forbidden. Test sample will be retained for 15days after issue of test report unless otherwise agreed with customer. This is for information as the party has asked for above test(s) only. 3
- 34

For ULTIMATE ENVIROLYTICAL SOLUTIONS 0/06 61 **AUTHORIZED SIGNATORY** REVIEWED BY End of the test report-



Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

Name & Address Of The Cu TO, HINDALCO INDUSTR		REPORT NO LAS REF NO DATE OF SAMPLING	REF NO UES/22-23/W/01144 OF SAMPLING 22/05/2022 OF RECEIPT 23/05/2022		
GARE PALMA - IV/5, U/G COAL MINE, VILI		DATE OF RECEIPT DATE OF REPORT			
BLOCK-TAMNAR, DISTT RAIGARH (C	.G.) 498107	DATE OF ANALYSIS			
		AMPLE DETAILS			
SAMPLE TYPE	GROUND WATER	ORDER /REFE		M/PO/SRV/2122/0049, DTD. 24-JULY-2021	
CUSTMER SAMPLE ID	NEAR MILUPARA MINES OFFICE PIEZOMETER -AWLR	SAMPLE CONDITION AT RECEIPT		ÓR	
PACKING OF SAMPLE	3 L X 1 NO. FVC CAN 1 L X 1 NO. FVC CAN 1 L X 1 NO. GLASS BOTTLE	SAMPLE COLL	ECTED RY	CHEMIST	
SAMPLING PROCEDURE	IS: 3025 (PART I): 1987 RA 2003; APHA 22ND ED. 2012, 1060-B, 1		CEIVED	5 LER	

REPORT NO.01130

	Carters States			AS PER I	\$ 10500:2012		
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	Acceptable Limit	Permissible limit	RESULT	
1	Colour	Hazen	IS:3025:(Part-4)	5	15	<1	
2	Odour	-	IS 3025(part-5)	Agreeable	Agreeable	Agreeable	
3	Taste	-	IS 3025(part-8)	Agreeable	Agreeable	Agreeable	
4	pH	-	APHA 22 nd Ed.2012,4500-H*-B, 4-92	6.5-8.5	No Relaxation	6.75	
5	Turbidity	NTU	APHA 22nd Ed.2012,2130-B,2-13	1	5	2.3	
6	Electrical Conductivity	µS/cm	IS 3025(part-14):1984, RA 2013		470	186.0	
7	Residual Chlorine	mg/Lit	APHA 22 nd Ed.2012,4500-CI-G,4 69	0.2	1	N.D.	
8	Total Solid	mg/Lit	APHA 22 nd Ed.2012,2540- B, 2- 64	-	-	125.1	
9	Total Dissolved Solids	mg/Lit	IS 3025(part-16):1984, RA 2006	500	2000	122.2	
10	Total Suspended Solids	mg/Lit	APHA 22 rd Ed.2012,2540- D, 2- 66	-	-	8.2	
11	Alkalinity Total (as CaCO ₃)	mg/Llt	IS 3025(part-23):1986, RA 2003	200	600	31.0	
12	Total Hardness (as CaCO ₃)	mg/Lit	APHA 22** Ed.2012,2340-C, 2- 44,45	200	600	66.0	
13	Calcium Hardness (as CaCO ₃)	mg/Lit	APHA 22 rd Ed.2012,3500-Ca-B, 3-67	-	-	35.0	
14	Magnesium Hardness (as CaCO ₃)	mg/Lit	APHA 22 nd Ed.2012,3500-Mg-B, 3-84	-	-	29.0	
15	Calcium (as Ca)	mg/Lit	APHA 22 nd Ed.2012,3500-Ca-B, 3-67	75	200	14.1	
16	Magnesium (as Mg)	mg/Lit	APHA 22 nd Ed.2012,3500-Mg-B, 3-84	30	100	6.9	
17	Chloride (as Cl)	mg/Lit	APHA 22 nd Ed.2012,4500-CI-B, 4-72	250	1000	12.6	
18	Sulphate (as SO ₄)	mg/Lit	APHA 22 nd Ed.2012,4500-SO ₄ - E,4-190	200	400	13.1	
19	Nitrate (as NO ₃)	mg/Lit	APHA 22 nd Ed.2012,4500-NO3-B, 4-122	45	No Relaxation	2.6	



Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

			TEST REPORT			
3R.				AS PER	\$ 10500:2012	
NO.	PARAMETER	UNIT	METHOD OF TEST	Acceptable Limit	Pormissible limit	RESUL1
20	Phosphate (as P)	mg/Lit	APHA 22nd Ed.2012,4500-P-C, 4-153	-	-	N.D.
20	Sodium (as Na)	mg/Lit	APHA 22ndEd.2012,3500-Na-B, 3-97	-	-	7.8
21	Potassium (as K)	mg/Lit	APHA 22 nd Ed.2012,3500-K-B, 3- 87	bet-		0.29
22	Boron (as B)	mg/Lit	APHA 22 nd Ed.2012,4500-B-B, 4- 25	0.5	1.0	N.D.
23	Iron (as Fe)	mg/Lit	APHA 22 nd Ed.2012,3111-B,3-18	0.3	No Relaxation	N.D.
24	Fluoride (as F)	mg/Lit	APHA 22 ^{hd} Ed.2012,4500-F-B &D, 4-84 & 87	1	1.5	0.07
25	Manganese (as Mn)	mg/Lit	APHA 22nd Ed.2012,3111-B, 3-18	0.1	0.3	N.D.
26	Lead (as Pb)	mg/Lit	APHA 22" Ed.2012,3111-B, 3-18	0.01	No Relaxation	N.D.
27	Nickel (as Ni)	mg/Lit	APHA 22nd Ed.2012,3500-NI, 3-	0.02	No	N.D.
28	Zinc (as Zn)	mg/Lit	APHA 22" Ed.2012,3111-B, 3-18	5	15	N.D.
29	Copper (as Cu)	mg/Lit	APHA 22" Ed.2012,3111-B, 3-18	0.05	1.5	N.D.
30	Cadmium (as Cd)	mg/Lit	APHA 22 rd Ed.2012,3500-Cd,3- 105	0.003	No Relaxation	N.D.
31	Mercury (as Hg)	mg/Lit	APHA 22nd Ed.2012,3112-B, 3-23	0.001	No Relaxation	N.D.
32	Arsenic (as As)	mg/Lit	APHA 22nd Ed.2012,3114-C, 3-38	0.01	0.05	N.D.
33	Selenium (as Se)	mg/Lit	APHA 22nd Ed.2012,3114-C, 3-38	0.01	No Relaxation	N.D.
34	Chromium (as Cr)	mg/Lit	APHA 22 nd Ed.2012,3500-Cr-B, 3-69	0.05	No Relaxation	N.D.
35	Anionic Detergent (as MBAS)	mg/Lit	APHA 22 nd Ed.2012,5540-C, 5-53	0.2	1.0	N.D.
36	Phenolic Compound (as C ₆ H ₅ OH)	mg/Lit	APHA 22 nd Ed.2012,5540-B & C, 5-47	0,001	0.002	N.D.
37	Poly-nuclear Aromatic Hydrocarbon (PAH)	µg/Lit	APHA 22 [™] Ed.2012,6440-6-93	0.0001	No Relaxation	N.D.
38	Mineral Oil	mg/Lit	IS 3025 (part-39) : 1991, RA 2003	0.5	No Relaxation	N.D.
39	Oil & Grease	mg/Lit	IS 3025 (Part 39):1991, RA 2003	-	-	N.D.
Micro	oblological Analysis				annan an a	
1	Total Coliforms	MPN/ 100 ML	IS:1622:1981: RA:2019		detectable in any	Absent
2	Faecal coliform	MDN/		Absent		
з	E. Coll	MPN/ 100ml	IS:1622:1981:RA:2019	Shall not be	detectable in any ni sample	Absent
Pest	cides					
1	p,p DDT	µg/L	US EPA 508-1995	1	1	N.D.
2	o.p DDT	µg/L	US EPA 508-1995		1	N.D.
3	p,pDDE	µg/L	US EPA 508-1995		1	N.D.



Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

REPORT MO. 01130

			STREET CONTRACTOR IN A SEL	AS PER I	8 10500:2012	
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	Acceptable Limit	Permissible limit	RESUL
4	p,p DDD	µg/Ľ	US EPA 508-1995		1	N.D.
5	O,p DDD	µg/L	US EPA 508-1995		1	N.D.
6	Gamma-HCH (Lindane)	µg/L	US EPA 508-1995		2	N.D.
7	Alpha-HCH	µg/L	US EPA 508-1995		0.01	N.D.
8	Beta-HCH	µg/L	US EPA 508-1995		0.04	N.D.
9	Delta HCH	µg/L	US EPA 508-1995		0.04	N.D.
10	Alpha-Endosulfan	µg/L	US EPA 508-1995		0.4	N.D.
11	Beta-Endosulfan	µg/L	US EPA 508-1995		0.4	N.D.
12	Endosulfansulphat e	µg/L	US EPA 508-1995	0.4		N.D.
13	Monocrotophos	µg/L_	US EPA 8141A-1994	1		N.D.
14	Ethion	µg/L	US EPA 8141A-1994		3	N.D.
15	Chloropyrifos	µg/L	US EPA 8141A-1994		30	N.D.
16	Phorate	µg/L	US EPA 8141A-1994		2	N.D.
17	Phoratesulphoxide	µg/L	US EPA 8141A-1994		-	N.D.
18	Phoratesulphone	µg/L	US EPA 8141A-1994		*	N.D.
19	2,4-D	µg/L	US EPA 515.1-1995		30	N.D.
20	Alachlor	µg/L	US EPA 508- 1995		20	N.D.
21	Atrazine	µg/L	US EPA 532-2000		2	N.D.
22	Methyl parathion	µg/L	US EPA 8141A-1994		0.3	N.D.
23	Methyl paraxone	µg/L	US EPA 8141A-1994		HE .	N.D.
24	Malathion	µg/L	US EPA 8141A-1994		190	N.D.
25	Malaoxon	µg/L	US EPA 8141A-1994			N.D.
26	Aldrin	µg/L	US EPA 508- 1995		0.03	N.D.
27	Dieldrin	µg/L	US EPA 508-1995		0.03	N.D.

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

> The report for publication, arbitration or as legal dispute is forbidden.

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

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

REVIEWED BY

For ULTIMATE ENVIROLYTICAL SOLUTIONS 22 AUTHORIZED SIGNATORY

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



Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

Name & Address of the Cu. TO, HINDALCO INDUSTR GARE PALMA - IV/5, U/G COAL MINE,VILL BLOCK-TAMNAR, DISTT RAIGARH (C	ies limited, Milupara Age – Milupara,	LAB I DATE DATE DATE	RT NO REF NO OF SAMPLING OF RECEIPT OF REPORT OF ARALYSIG	UE8/22-23/ 22/05/2022 23/05/2022 01/06/2022	UES/TR/22-23/01129 UES/22-23/W/01143 22/05/2022 23/05/2022 01/06/2022 START: 23/05/2022 END: 31/05/2022		
		SAMP:	LE DETAILS				
SAMPLE TYPE	GROUND MATER		ORDER /REFERENCE:		M/FO/SRV/2122/0049, DTD. 24-JULY-2021		
CUSTMER SAMPLE ID	STAFF QUARTER-BANJIKHOL PIESOMETER (AWLR)		SAMPLE CONDITION AT RECEIPT		OK	₩ <u>₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩</u> ₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩	
PACKING OF SAMPLE	3 L X 1 NO. PVC CAN 1 L X 1 NO. PVC CAN 1 L X 1 NO. GLASS BOTTLE	STALED	SAMPLE COLLEC	TED BY	CHER	nan para para para para para para para p	
SAMPLING PROCEDURE IS: 3025 (PART I): 1987 RA 2 APHA 22RD ED. 2012, 1060-			1 V 12 200 T 10 V 202 V 10 T 17 V 1		5 LTR		

REPORT NO. 01129

			TEST REPORT			
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	ACCEPTAB DRINKING WATE Acceptable Limit	RESULT	
1	Colour	Hazen	IS:3025:(Part-4)	5	limit 15	<1
2	Odour	-	IS 3025:(part-5)	Agreeable	Agreeable	Agreeable
3	Taste		IS 3025:(part-8)	Agreeable	Agreeable	Agreeable
4	рН	-	APHA 22 nd Ed.2012,4500-H ⁺ -B, 4-92	6.5-8.5	No Relaxation	6.65
5	Turbidity	NTU	APHA 22" Ed. 2012,2130-B,2-13	1	5	0.95
6	Electrical Conductivity	µS/cm	IS 3025(part-14):1984, RA 2013	-	_	230.5
7	Residual Chlorine	mg/Lit	APHA 22 nd Ed.2012,4500-Cl-G, 4 - 69	0.2	1	N.D.
8	Total Solid	mg/Lit	APHA 22 nd Ed.2012,2540- B, 2- 64	-	-	132.0
9	Total Dissolved Solids	mg/Lit	IS 3025(part-16):1984, RA 2006	500	2000	155.9
10	Total Suspended Solids	mg/Lit	APHA 22nd Ed.2012,2540- D, 2- 66	-	-	13.1
11	Alkalinity Total (as CaCO ₂)	mg/Lit	IS 3025(part-23):1986, RA 2003	200	600	40.2
12	Total Hardness (as CaCO ₃)	mg/Lit	APHA 22 rd Ed.2012,2340-C, 2- 44,45	200	600	85.0
13	Calcium Hardness (as CaCO ₃)	mg/Lit	APHA 22 nd Ed.2012,3500-Ca-B, 3-67		-	55.0
14	Magnesium Hardness (as CaCO ₃)	mg/Lit	APHA 22 ^M Ed.2012,3500-Mg-B, 3-84	-	*	34.0
15	Calcium (as Ca)	mg/Lit	APHA 22 nd Ed.2012,3500-Ca-B, 3-67	75	200	23.0
16	Magnesium (as Mg)	mg/Lit	APHA 22 nd Ed.2012,3500-Mg-B, 3-84	30	100	9.68
17	Chloride (as Cl)	mg/Lit	APHA 22 nd Ed.2012,4500-CI-B, 4-72	250	1000	32.4
18	Sulphate (as SO ₄)	mg/Lit	APHA 22 rd Ed.2012,4500-SO4- E,4-190	200	400	23.4
19	Nitrate (as NO ₃)	mg/Lit	APHA 22 nd Ed.2012,4500-NO ₃ - B,4-122	45	No Relaxation	0.66
20	Phosphate (as P)	mg/Lit	APHA 22nd Ed.2012,4500-P-C, 4-153	-	-	N.D.



Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

REPORT NO. 01129

2

			TEST REPORT				
				ACCEPTABLE LIMIT FOR			
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	Acceptable	ER (IS 10500:2012) Permissible	RESULT	
NU.				Limit	limit		
21	Sodium (as Na)	mg/Lit	APHA 22ndEd.2012,3500-Na-B, 3-97	-	- 1	5.1	
22	Potassium (as K)	mg/Lit	APHA 22 rd Ed.2012,3500-K-B, 3- 87	+	-	2.2	
23	Boron (as B)	mg/Lit	APHA 22** Ed.2012,4500-B-B, 4-25	0.5	1.0	N.D.	
24	Iron (as Fe)	mg/Lit	APHA 22nd Ed.2012,3111-8,3-18	0.3	No Relaxation	N.D.	
25	Fluoride (as F)	mg/Lit	APHA 22 nd Ed.2012,4500-F-B &D, 4-84 & 87	1	1.5	0.11	
26	Manganese (as Mn)	mg/Lit	APHA 22 rd Ed.2012,3111-B, 3-18	0.1	0.3	N.D.	
27	Lead (as Pb)	mg/Lit	APHA 22" Ed.2012,3111-B, 3-18	0.01	No Relaxation	N.D.	
28	Nickel (as Ni)	mg/Lit	APHA 22nd Ed. 2012,3500-Ni, 3-	0.02	No Relaxation	N.D.	
29	Zinc (as Zn)	mg/Lit	APHA 22 ^{md} Ed.2012,3111-B, 3-18	5	15	N.D.	
30	Copper (as Cu)	mg/Lit	APHA 22nd Ed.2012,3111-B, 3-18	0.05	1.5	N.D.	
31 .	Cadmium (as Cd)	mg/Lit	APHA 22nd Ed.2012,3500-Cd, 3- 105	0.003	No Relaxation	N.D.	
32	Mercury (as Hg)	mg/Lit	APHA 22nd Ed.2012,3112-B, 3-23	0.001	No Relaxation	N.D.	
33	Arsenic (as As)	mg/Lit	APHA 22nd Ed.2012,3114-C, 3-38	0.01	0.05	N.D.	
34	Selenium (as Se)	mg/Lit	APHA 22ª Ed.2012,3114-C, 3-38	0.01	No Relaxation	N.D.	
35	Chromlum (as Cr)	mg/Lit	APHA 22 rd Ed.2012,3500-Cr-B, 3-69	0.05	No Relaxation	N.D.	
36	Anionic Detergent (as MBAS)	mg/Lit	APHA 22nd Ed.2012,5540-C, 5-53	0.2	1.0	N.D.	
37	Phenolic Compound (as C ₆ H ₅ OH)	mg/Lit	APHA 22 nd Ed.2012,5540-B & C, 5-47	0.001	0.002	N.D.	
38	Poly-nuclear Aromatic Hydrocarbon (PAH)	µg/Lit	APHA 22 nd Ed.2012,6440-6-93	0.0001	No Relaxation	N.D.	
39	Mineral Oil	mg/Lit	15 3025 (part-39) : 1991, RA 2003	0.5	No Relaxation	N.D.	
40	Oll & Grease	mg/Lit	IS 3025 (Part 39):1991, RA 2003	-	-	N.D.	
Hicrot	lological Analysis				Manuary 1	Million with shime	
1	Total Coliforms	MPN/ 100 ML	IS:1622:1981: RA:2019		detectable in ml sample	Absent	
2	Faecal coliform	MPN/ 100ml	IS:1622:1981: RA:2019	Shall not be	detectable in mi sample	Absent	
3	E. Coll	MPN/ 100ml	IS:1622:1981:RA:2019	Shall not be	detectable in	Absent	
Pestic	des		т <u>н страно, с по стало с </u> е			- V	
1	p,p DDT	µg/L	US EPA 508-1995		1	N.D.	
2	o.p DDT	µg/L	US EPA 508-1995		1	N.D.	
3	p,pDDE	µg/L	US EPA 508-1995		1	N.D.	
4	p,p DDD	µg/L	US EPA 508-1995		1	N.D.	
5	O,p DDD	µg/L	US EPA 508-1995		1	N.D.	
6	Gamma-HCH (Lindane)	µg/L	US EPA 508-1995		2	N.D.	
7	Alpha-HCH	µg/L	US EPA 508-1995		.01	N.D.	



Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

REPORT NO. 01129

	Name and Address of the Address of t		TEST REPORT			
				the second s	ELIMIT POR	
SR. NQ.	PARAMETER	PARAMETER UNIT	METHOD OF TEST	Acceptable Limit	The second state of the second s	
8	8eta-HCH	µg/L	US EPA 508-1995	0.	04	N.D.
9	Delta HCH	µg/L	US EPA 508-1995	0.	04	N.D.
10	Alpha-Endosulfan	µg/L	US EPA 508-1995	0	.4	N.D.
11	Beta-Endosulfan	µg/L	US EPA 508-1995	0	.4	N.D.
12	Endosulfansulphate	µg/L	US EPA 508-1995	0	.4	N.D.
13	Monocrotophos	µg/L	US EPA 8141A-1994		1	N.D.
14	Ethion	µg/L	US EPA 8141A-1994		3	
15	Chlaropyrifos	µg/L	US EPA 8141A-1994	3	30	
16	Phorate	µg/L	US EPA 8141A-1994	2		N.D.
17	Phoratesulphoxide	µg/L	US EPA 8141A-1994		مد. ۱۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰	
18	Phoratesulphone	µg/L	US EPA 8141A-1994		-	N.D.
19	2,4-D	µg/L	US EPA 515.1-1995	3	0	N.D.
20	Alachlor	µg/L	US EPA 508- 1995	2	0	N.D.
21	Atrazine	µg/L	US EPA 532-2000		2	N.D.
22	Methyl parathion	pg/L	US EPA 8141A-1994	0	.3	N.D.
23	Methyl paraxone	µg/L	US EPA 8141A-1994			N.D,
24	Malathion	µg/L	US EPA 8141A-1994	1	90	N.D.
25	Malaoxon	µg/L	US EPA 8141A-1994			N.D.
26	Aldrin	µg/L	US EPA 508- 1995	0.	03	N.D.
27	Dieldrin	ug/L	US EPA 508-1995	0.	03	N.D.

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

> The report for publication, arbitration or as legal dispute is forbidden.

> Test sample will be retained for15 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.

2 061 REVIEWED BY

For ULTIMATE ENVIROLYTICAL SOLUTIONS 22 06 01 AUTHORIZED SIGNATORY

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



Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

Name & Addrass Of The	Custamer	REPO	XRT NO	UES/TR/2	UES/TR/22-23/01131		
то,		LAB	REF NO	UE8/22-23/W/01145			
HINDALCO INDUSTRI		DAT	OF SAMPLING	22/05/20	22/05/2022		
GARE PALMA - IV/5, I		DATE	OF RECEIPT	23/05/20)22		
U/G COAL MINE, VILL	AGE - MILUPARA,	DATE	I OF REPORT	01/06/20)22		
BLOCK-TANNAR, DISTT RAIGARH (C.	DAT	OF ANALYSIS	START: 23/	05/2022	END: 31/05/2022		
		SAMPI	E DETAILS				
SAMPLE TYPE	GROUND WATER		ORDER /RETERENCE:		M/PO/SRV/2122/0049, DTD. 24-JULY-2021		
CUSTMER SAMPLE ID	MILUPARA VILLAGE NEAR PHC- HIL (DUGMELL)	-	SAMPLE CONDITION AT		OK		
PACKING OF SAMPLE	3 L X 1 NO. PVC CAN 1 L X 1 NO. PVC CAN 3 L X 1 NO. GLASS BOTTLE	SFALED	SAMPLE COLLEC	ted by	CHEMI	ST	
SAMPLING PROCEDURE	003; ,1-39			5 LTR			

REPORT NO. 01131

TEST REPORT									
SR.				AS PER IS	10500:2012				
NO.	PARAMETER	UNIT	METHOD OF TEST	Acceptable Limit	Permissible limit	RESULT			
1	Colour	r Hazen IS:3025:(Part-4)	IS:3025:(Part-4)	5	15	<1			
2	Odour	-	IS 3025(part-5)	Agreeable	Agreeable	Agreeable			
3	Taste	-	IS 3025(part-8)	Agreeable	Agreeable	Agreeable			
4	рН	-	APHA 22 nd Ed.2012,4500-H*-B, 4-92	6.5-8.5	No Relaxation	6.74			
5	Turbidity	NTU	APHA 22 nd Ed.2012,2130-B,2-13	1	5	1.26			
6	Electrical Conductivity	µS/cm	IS 3025(part-14):1984, RA 2013			272.4			
7	Residual Chlorine	mg/Llt	APHA 22 rd Ed.2012,4500-CI-G, 4 - 69	0.2	1	N.D.			
8	Total Solid	mg/Lit	APHA 22 nd Ed.2012,2540- B, 2- 64	-	-	187.0			
9	Total Dissolved Solids	mg/Lit	IS 3025(part-16):1984, RA 2006	500	2000	174.6			
10	Total Suspended Solids	mg/Lit	APHA 22 nd Ed.2012,2540- D, 2- 66	-	-	12.4			
11	Alkalinity Total (as CaCO ₃)	mg/Lit	IS 3025(part-23):1986, RA 2003	200	600	44.0			
12	Total Hardness (as CaCO ₁)	mg/Lit	APHA 22 nd Ed.2012,2340-C, 2- 44,45	200	600	102.0			
13	Calcium Hardness (as CaCO3)	mg/Lit	APHA 22 nd Ed.2012,3500-Ca- B,3-67		-	50.0			
14	Magnesium Hardness (as CaCO3).	mg/Lit	APHA 22 nd Ed.2012,3500-Mg- B,3-84	-	-	52.0			
15	Calcium (as Ca)	mg/Lit	APHA 22 nd Ed.2012,3500-Ca- B,3-67	75	200	20.0			
16	Magnesium (as Mg)	mg/Lit	APHA 22 rd Ed.2012,3500-Mg-B, 3-84	30	100	12.6			
17	Chloride (as Cl)	mg/Lit	APHA 22 nd Ed.2012,4500-Cl-B, 4-72	250	1000	23.9			
18	Sulphate (as SO ₄)	mg/Lit	APHA 22 ^{ed} Ed.2012,4500-SO ₄ - E, 4-190	200	400	20.7			
19	Nitrate (as NO ₃)	mg/Lit	APHA 22 nd Ed.2012,4500-NO3- B,4-122	45	No Relaxation	2.6			
20	Phosphate (as P)	mg/Lit	APHA 22ndEd.2012,4500-P-C, 4-153	-	-	N.D.			



Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

REPORT NO. 01131

8

SR:				AS PER IS	10500:2012	
NQ.	PARAMETER	UNIT	METHOD OF TEST	Acceptable Limit	Permissible fimit	RESULT
21	Sodium (as Na)	mg/Lit	APHA 22nd Ed.2012,3500-Na- B, 3-97	-	-	5.2
22	Potassium (as k)	mg/Lit	APHA 22 nd Ed.2012,3500K-B, 3-87		_	1.13
23	Boron (as B)	mg/Lit	APHA 22 nd Ed.2012,4500-B-B, 4-25	0.5	1.0	N.D.
24	Iron (as Fe)	mg/Lit	APHA 22 nd Ed.2012,3111-B,3- 18	0.3	No Relaxation	N.D.
25	Fluoride (as F)	mg/Lit	APHA 22 nd Ed.2012,4500-F-B &D, 4-84 & 87	1	1.5	0.06
26	Manganese (as Mn)	mg/Lit	APHA 22 nd Ed.2012,3111-B, 3- 18	0.1	0.3	0.14
27	Lead (as Pb)	mg/Lit	APHA 22 nd Ed.2012,3111-B, 3- 18	0.01	No Relaxation	N.D.
28	Nickel (as Ni)	mg/Lit	APHA 22 nd Ed.2012,3500-Ni, 3- 108	0.02	No Relaxation	N.D.
29	Zinc (as Zn)	mg/Lit	APHA 22 nd Ed.2012,3111-8, 3- 18	5	15	N,D,
30	Copper (as Cu)	mg/Lit	APHA 22 nd Ed.2012,3111-B, 3- 18	0.05	1.5	N.D.
31	Cadmium (as Cd)	mg/Lit	APHA 22 nd Ed.2012,3500-Cd, 3- 105	0.003	No Relaxation	N.D.
32	Mercury (as Hg)	mg/Lit	APHA 22 nd Ed.2012,3112-B, 3- 23	0.001	No. Relaxation	N.D.
33	Arsenic (as As)	mg/Lit	APHA 22 nd Ed.2012,3114-C, 3-	0.01	0.05	N.D.
34	Selenium (as Se)	mg/Lit	APHA 22 rd Ed.2012,3114-C, 3- 38	0.01	No Relaxation	N.D.
35	Chromlum (as Cr)	mg/Lit	APHA 22" Ed.2012,3500-Cr-B, 3-69	0.05	No Relaxation	N.D.
36	Anionic Detergent (as MBAS)	mg/Lit	APHA 22 nd Ed.2012,5540-C, 5- 53	0.2	1.0	N.D.
37	Phenolic Compound (as C ₆ H ₅ OH)	mg/Lit	APHA 22 ⁶⁴ Ed.2012,5540-8 & C, 5-47	0.001	0.002	N.D.
38	Poly-nuclear Aromatic Hydrocarbon (PAH)	µg/Lit	APHA 22 nd Ed.2012,6440-6-93	0.0001	No Relaxation	N.D.
39	Mineral Oil	mg/Lit	IS 3025 (part-39) : 1991, RA 2003	0.5	No	N.D.
40	Oll & Grease	mg/Lit	IS 3025 (Part 39):1991, RA 2003	-	-	N.D.
Hicro	biological Analysis	£		<u> </u>		
1	Total Coliforms	MPN/ 100 ML	IS:1622:1981: RA:2019		etectable in any sample	Absent
2	Faecal coliform	MPN/ 100ml	IS:1622:1981: RA:2019		tectable in any sample	Absent
3	E. Coli	MPN/ 100ml	IS:1622:1981:RA:2019	Shall not be de	sample	Absent
Pesti	cides			100110	amilian 1.	
1	p,p DDT	µg/L	US EPA 508-1995	·····		N.D.
2	o.p DDT	µg/L	US EPA 508-1995		L	N.D.
3	p,pDDE	µg/L	US EPA 508-1995	-01000		N.D.
4	p,p DDD	µg/L	US EPA 508-1995	ک چچو نده برمد ودهم در		N.D.



Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

REPORT NO. 01131

SR.				AS PER IS	10500:2012	-	
NO.	PARAMETER	UNIT	METHOD OF TEST	Acceptable Limit	Permissible limit	RESUL	
5	O,p DDD	µg/L	US EPA 508-1995		1	N.D.	
6	Gamma-HCH (Lindane)	µg/L	US EPA 508-1995		2	N.D.	
7	Alpha-HCH	µg/L	US EPA 508-1995	0.	.01	N.D.	
8	Beta-HCH	µg/L	US EPA 508-1995	0.	.04	N.D.	
9	Delta HCH	µg/L	US EPA 508-1995	0.	.04	N.D.	
10	Alpha-Endosulfan	µg/L	US EPA 508-1995	0	.4	N.D.	
11	Beta-Endosulfan	µg/L	US EPA 508-1995	0	.4	N.D.	
12	Endosulfansulphate	μg/L	US EPA 508-1995	0	.4	N.D.	
13	Monocrotophos	µg/L	US EPA 8141A-1994	1		N.D,	
14	Ethion	µg/L	US EPA 8141A-1994	3		N.D.	
15	Chloropyrifos	µg/L	US EPA 8141A-1994	30		N,D.	
16	Phorate	µg/L	US EPA 8141A-1994		2		
17	Phoratesulphoxide	µg/L	US EPA 8141A-1994		-	N.D.	
18	Phoratesulphone	µg/L	US EPA 8141A-1994		•	N.D.	
19	2,4-D	µg/L	US EPA 515.1-1995	3	0	N.D.	
20	Alachior	µg/L	US EPA 508- 1995	2	:0	N.D.	
21	Atrazine	µg/L	US EPA 532-2000		2	N.D.	
22	Methyl parathion	µg/L	US EPA 8141A-1994	0	.3	N.D.	
23	Methyl paraxone	µg/L	US EPA 8141A-1994		-	N.D.	
24	Malathion	µg/L	US EPA 8141A-1994	1!	90	N.D.	
25	Malaoxon	µg/L	US EPA 8141A-1994	UH M	-	N.D.	
26	Aldrin	µg/L	US EPA 508- 1995	0.	03	N.D.	
27	Dieldrin	µg/L	US EPA 508-1995	0.	03	N.D.	

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

Þ

ъ

This & contractions The report for publication, arbitration or as legal dispute is forbidden. Test sample will be retained for15 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. 26

For ULTIMATE ENVIROLYTICAL SOLUTIONS ъ 01106 2 6 Θ AUTHORIZED SIGNATORY **REVIEWED BY**

End of the test report-



Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

Name # Address Of The Cu	temer		REPORT NO	UES/TR/22-23/0	1008	
TO,			LAB REF NO	UE8/22-23/W/01771		
HINDALCO INDUST	RIES LIMITED,		DATE OF SAMPLING	20/05/2022	117,	
GARE PALMA - IV/4	, COAL MINE, VILLAGE	E	DATE OF RECEIPT	21/05/2022		
BANKHETA, POST	-MILUPARA,		DATE OF REPORT	01/06/2022		
DISTT RAIGARH	(C.G.) 496107.		DATE OF ANALYSIS	START: 22/05/2022	END: 30/05/2022	
SAMPLE TYPE	GROUND NATER		ORDER /REFERENCE;	N/PO/SRV/2122/004	5, DTD. 24-JULY-2021	
SAMPLE TYPE	GROUND NATER		ORDER /REDERENCE;	N/FO/SRV/2122/0045, DTD. 24-JUL		
CUSIMER SAMPLE ID	SANTA VILLAGE, (DUGNEL	L)	SAMPLE CONDITION AT RECEIPT	OK		
PACKING OF SAMPLE	3 L X I FO. PWC CAN 1 L X I NO. PWC CAN 1 L X I RO. GLASS BOTTLE	SPALED	SAMPLE COLLECTED BY	CHIMIST		
IS: 3025 (PART I): 1987 RA SAMPLING PROCEDURE 2003: APHA 22ND ED. 2012, 1060-B, 1-39			QUANTITY RECEIVED 5 LTR			

Report No.01008

			TEST REPORT			
ŝR.	199 20 State 2010 2010	S.S.S.		AS PER IS	10500:2012	NUSCENCE:
NO.	PARAMETER	UNIT	METHOD OF TEST	Acceptable Limit	Permissible limit	RESULT
1	Colour	Hazen	IS:3025:(Part-4)	5	15	3.8
2	Odour	-	IS 3025(part-5)	Agreeable	Agreeable	Agreeable
3	Taste	-	IS 3025(part-8)	Agreeable	Agreeable	Agreeable
4	pH	_	APHA 23 nd Ed.2012,4500-H*-B, 4-92	6.5-8.5	No Relaxation	7.33
5	Turbidity	NTU	APHA 23**Ed.2012,2130-8,2-13	1	5	2.8
6	Electrical Conductivity	µS/cm	IS 3025(part-14):1984, RA 2013	-	-	284.6
7	Residual Chiorine	mg/Lit	APHA 23 nd Ed.2012,4500-CI-G, 4 - 69	0.2	1	N.D.
8	Total Solid	mg/Lit	APHA 23 nd Ed.2012,2540- B, 2- 64		-	179.0
9	Total Dissolved Solids	mg/Lit	IS 3025(part-16):1984, RA 2006	500	2000	172.4
10	Total Suspended Solids	mg/Lit	APHA 23 nd Ed.2012,2540- D, 2- 66	+	Pro-	6.6
11	Alkalinity Total (as CaCO ₃)	mg/Lit	IS 3025(part-23):1986, RA 2003	200	600	92.0
12	Total Hardness (as CaCO ₃)	mg/Lit	APHA 23 nd Ed.2012,2340-C, 2- 44,45	200	600	118
13	Calcium Hardness (as CaCO ₃)	mg/Lit	APHA 23 [™] Ed.2012,3500-Ca-B, 3-67			72.0
14	Magnesium Hardness (as CaCO ₃)	mg/Lit	APHA 23 nd Ed.2012,3500-Mg-B, 3-84		. #	46.0
15	Calcium (as Ca)	mg/Lit	APHA 23 nd Ed.2012,3500-Ca-B, 3-67	75	200	28.8
16	Magnesium (as Mg)	mg/Lit	APHA 23 nd Ed.2012,3500-Mg-B, 3-84	30	100	11.1
17	Chloride (as Cl)	mg/Lit	APHA 23 nd Ed.2012,4500-Cl-B, 4-72	250	1000	32.9
18	Sulphate (as SO ₄)	mg/Lit	APHA 23 nd Ed.2012,4500-SO ₄ -E, 4-190	200	400	28.4
19	Nitrate (as NO ₃)	mg/Lit	APHA 23 nd Ed.2012,4500-NO ₃ -B, 45 NoRelaxa		NoRelaxatio B	0.42
20	Phosphate (as P)	mg/Lit	APHA 23nd Ed.2012,4500-P-C, 4-153	-		N.D.
21	Sodium (as Na)	mg/Lit	APHA 23nd Ed.2012,3500-Na-B, 3-97	-		20.2



Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

			TEST REPORT			
	No. of States of States	a la marca de		AS PER IS 1	0500:2012	
5R. NO.	PARAMETER	UNIT	METHOD OF TEST	Acceptable Limit	Permissible limit	RESULT
7	Alpha-HCH	µg/L	US EPA 508-1995	0.0)1	N.D.
8	Beta-HCH	µg/L	US EPA 508-1995	0.0)4	N.D.
9	Delta HCH	µg/L	US EPA 508-1995	0.0	04	N.D.
10	Alpha-Endosulfan	µg/L	US EPA 508-1995	0.	4	N.D.
11	Beta-Endosulfan	µg/L	US EPA 508-1995	0.	4	N.D.
12	Endosulfansulphate	µg/L	US EPA 508-1995	0.	4	N.D.
13	Monocrotophos	µg/L	US EPA 8141A-1994	1		N.D.
14	Ethion	µg/L	US EPA 8141A-1994	3		N.D.
15	Chloropyrifos	µg/L	US EPA 8141A-1994	30		N.D.
16	Phorate	µg/L	US EPA 8141A-1994	2	2	
17	Phoratesulphoxide	µg/L	US EPA 8141A-1994			N.D.
18	Phoratesulphone	µg/L	US EPA 8141A-1994			N.D.
19	2,4-D	µg/L	US EPA 515.1-1995	3	0	N.D.
20	Alachlor	µg/L	US EPA 508- 1995	2	0	N.D.
21	Atrazine .	µg/L	US EPA 532-2000			N.D.
22	Methyl parathion	µg/L	US EPA 8141A-1994	0.	3	N.D.
23	Methyl paraxone	µg/L	US EPA 8141A-1994			N.D.
24	Malathion	µg/L	US EPA 8141A-1994	19	0	N.D.
25	Malaoxon	µg/L	US EPA 8141A-1994	•		N.D.
26	Aldrin	µg/L	US EPA 508- 1995	0.0	03	N.D.
27	Dieldrin	ug/L	US EPA 508-1995	0.0	03	N.D.

mg/lit.: milligram per libe Note REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

The report for publication, arbitration or as legal dispute is forbidden. ≻

Test sample will be retained for15 days after issue of test report unless otherwise agreed with customer. >

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

For ULTIMATE ENVIROLYTICAL SOLUTIONS 06 10 AUTHORIZED SIGNATORY REVIEWED BY

End of the test report-

Ļ



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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

			TEST REPORT			
SR.				AS PER IS	10500:2012	
NO.	PARAMETER	UNIT	METHOD OF TEST	Acceptable Limit	Permissible limit	RESULT
22	Potassium (as K)	mg/Lit	APHA 23 rd Ed.2012,3500-K-B, 3-87		-	0.56
23	Boron (as B)	mg/Lit	APHA 23 nd Ed.2012,4500-8-8, 4-25	0.5	1.0	N.D.
24	Iron (as Fe)	mg/Lit	APHA 23 nd Ed.2012,3111-B,3-18	0.3	NcRelaxatio n	N.D.
25	Fluoride (as F)	mg/Lit	APHA 23 nd Ed.2012,4500-F-B &D, 4-84 & 87	1	1.5	0.18
26	Manganese (as Mn)	mg/Lit	APHA 23 nd Ed.2012,3111-B, 3- 18	0.1	0.3	0.08
27	Lead (as Pb)	mg/Lit	APHA 23 nd Ed.2012,3111-B, 3- 18	0.01	NoRelaxatio	N.D.
28	Nickel (as Ni)	mg/Lit	APHA 23 nd Ed.2012,3500-NI, 3- 108	0.02	No Relaxation	N.D.
29	Zinc (as Zn)	mg/Lit	APHA 23 ^M Ed.2012,3111-B, 3- 18	5	15	N.D.
30	Copper (as Cu)	mg/Lit	APHA 23 [™] Ed.2012,3111-B, 3- 18	0.05	1.5	N.D.
31	Cadmium (as Cd)	mg/Lit	APHA 23 nd Ed.2012,3500-Cd, 3- 105	0.003	NoRelaxatio	N.D.
32	Mercury (as Hg)	mg/Lit	APHA 23 nd Ed.2012,3112-B, 3- 23	0.001	NoRelaratio n	N.D.
33	Arsenic (as As)	mg/Lit	APHA 23 nd Ed.2012,3114-C, 3- 38	0.01	0.05	N.D.
34	Selenium (as Se)	mg/Lit	APHA 23 nd Ed.2012,3114-C, 3- 38	0.01	NoRelaxatio n	N.D.
35	Chromium (as Cr)	mg/Lit	APHA 23 nd Ed.2012,3500-Cr-B, 3-69	0.05	NoRelaxatio n	N.D.
36	Anionic Detergent (as MBAS)	mg/Lit	APHA 23 nd Ed.2012,5540-C, 5- 53	0.2	1.0	N.D.
37	Phenolic Compound (as C ₆ H ₅ OH)	mg/Lit	APHA 23 rd Ed.2012,5540-B & C, 5-47	0.001	0.002	N.D.
38	Poly-nuclear Aromatic Hydrocarbon (PAH)	µg/Lit	APHA 23 nd Ed.2012,6440-6-93	0.0001	NoRelaxatio	N.D.
39	Mineral Oil	mg/Lit	IS 3025 (part-39) : 1991, RA 2003	0.5	No	N.D.
40	Oil & Grease	mg/Lit	IS 3025 (Part 39):1991, RA 2003	ni	-	N.D.
Micro	biological Analysis		· _ · · · · · · · · · · · · · · · · · ·	L	.L	
1	Total Collforms	MPN/ 100 ML	IS:1622:1981: RA:2019		etectable in any sample	Absent
2	Faecal coliform	MPN/ 100ml	IS:1622:1981: RA:2019		sample	Absent
3	E. Coli	MPN/ 100ml	IS:1622:1981:RA:2019	Shall not be de	sample	Absent
Pesti	cides					a de la companya de l
1	p,p DDT	µg/L	US EPA 508-1995		1	N.D.
2	a.p DDT	µg/L	US EPA 508-1995		1	N.D.
3	p,pDDE	µg/L	US EPA 508-1995		1	N.D.
4	p,p DDD	µg/L	US EPA 508-1995		1	N.D.
5	O,p DDD	µg/L	US EPA 508-1995		1	N.D,
6	Gamma-HCH (Lindane)	µg/L	US EPA 508-1995		2	N.D.



Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

Name & Address Of The	Gustomar	REPO	rt no	UES/TR/2			
TO,		LAD .	REF NO	UES/22-23/W/01146			
MINDALCO INDUSTR		DATE	OF SAMPLING	22/05/20	22/05/2022		
	GARË PALMA - IV/5, MILUPARA KG COAL MINE,VILLAGE - MILUPARA,			23/05/20	22		
				01/06/20	22		
BLOCK-TAMNAR, DISTT RAIGARH (C	DATE	OF ANALYSIS			END: 31/05/2022		
		SAMPL	E DETAILS	in a standard			
SAMPLE TYPE	GROUND WATER		ORDER /REFERENCE:		M/PO/SRV/2122/0049, DTD. 24-JULY-2021		
CUSTMER SAMPLE ID	SIDARPARA VILLAGE (DUGW	ELL)	SAMPLE CONDITION AT RECEIPT		OK		
PACKING OF SAMPLE	3 L X I NO. FVC CAN 1 L X I NO. FVC CAN 1 L X I NO. GLASS BOTTLE	SRALED	SAMPLE COLLEC	ted by	CHEMI	81 ⁻	
SAMPLING PROCEDURE IS: 3025 (PART I): 1987 RA 20 APHA 22ND ED. 2012, 1060-B,					5 LT	1.	

REPORT	NO.01132	
1.1.5		

	TEST REPORT						
SR. NO,	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012			
				Acceptable Limit	Permissible limit	RESULT	
1	Colour	Hazen	IS:3025:(Part-4)	5	15	<1	
2	Odour	-	IS 3025(part-5)	Agreeable	Agreeable	Agreeable	
3	Taste	-	IS 3025(part-8)	Agreeable	Agreeable	Agreeable	
4	pH	-	APHA 22 nd Ed.2012,4500-H*-B, 4-92	6.5-8.5	NoRelaxati on	7.35	
5	Turbidity	NTU	APHA 22ndEd.2012,2130-B,2-13	1	5	0.45	
6	Electrical Conductivity	µS/cm	IS 3025(part-14):1984, RA 2013	_	-	332.0	
7	Residual Chlorine	mg/Lit	APHA 22 nd Ed.2012,4500-CI-G, 4 - 69	0,2	1	N.D.	
8	Total Solid	mg/Lit	APHA 22 nd Ed.2012,2540- B, 2- 64	-	*	227.0	
9	Total Dissolved Solids	mg/Lit	IS 3025(part-16):1984, RA 2006	500	2000	219.4	
10	Total Suspended Solids	mg/Lit	APHA 22 nd Ed.2012,2540- D, 2- 66	-	-	3.7	
11	Alkalinity Total (as CaCO ₃)	mg/Lit	IS 3025(part-23):1986, RA 2003	200	600	60.0	
12	Total Hardness (as CaCO ₃)	mg/Lit	APHA 22 nd Ed.2012,2340-C, 2- 44,45	200	600	94.0	
13	Calcium Hardness (as CaCO3)	mg/Lit	APHA 22 nd Ed.2012,3500-Ca- B,3-67	-		58.0	
14	Magnesium Hardness (as CaCO3)	mg/Lit	APHA 22 rd Ed.2012,3500-Mg- B,3-84	-	-	38.0	
15	Calcium (as Ca)	mg/Lit	APHA 22 nd Ed.2012,3500-Ca- B,3-67	75	200	25.0	
16	Magnesium (as Mg)	mg/Lit	APHA 22 nd Ed.2012,3500-Mg-B, 3-84	30	100	11.3	
17	Chloride (as Cl)	mg/Lit	APHA 22 ^{ed} Ed.2012,4500-CI-B, 4-72	250	1000	22.5	
18	Sulphate (as SO4)	mg/Lit	APHA 22 ^{ed} Ed.2012,4500-SO4-E, 4-190	200	400	11.3	
19	Nitrate (as NO ₃)	mg/Lit	APHA 22 nd Ed.2012,4500-NO3- B,4-122	45	NoRelaxati OR	3.6	
20	Phosphate (as P)	mg/Lit	APHA 22ndEd.2012,4500-P-C, 4-153		-	N.D.	



Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

-			TEST REPORT			
SR. NO.	PARAMETER			AS PER IS	10500:2012	
		UNIT	METHOD OF TEST	Acceptable Limit	Permissible limit	RESULT
21	Sodium (as Na)	mg/Lit	APHA 22nd Ed.2012,3500-Na-B, 3-97	-	+	11.3
22	Potassium (as K)	mg/Lit	APHA 22 nd Ed.2012,3500-K-B, 3- 87		-	0.7
23	Boron (as B)	mg/Llt	APHA 22 nd Ed.2012,4500-B-B, 4- 25	0.5	1.0	N.D.
24	Iron (as Fe)	mg/Lit	APHA 22nd Ed.2012,3111-B,3-18	0.3	NoRelazati on	N.D.
25	Fluoride (as F)	mg/Lit	APHA 22 nd Ed.2012,4500-F-B &D, 4-84 & 87	1	1.5	0.13
26	Manganese (as Mn)	mg/Lit	APHA 22 nd Ed.2012,3111-B, 3-18	0.1	0.3	0.08
27	Lead (as Pb)	mg/Lit	APHA 22nd Ed.2012,3111-B, 3-18	0.01	NoRelaxati	N.D.
28	Nickel (as Ni)	mg/Lit	APHA 22 nd Ed.2012,3500-Ni, 3- 108	0.02	No Relaxation	N.D.
29	Zinc (as Zn)	mg/Lit	APHA 22 nd Ed.2012,3111-B, 3-18	5	15	N.D.
30	Copper (as Cu)	mg/Lit	APHA 22 nd Ed.2012,3111-B, 3-18	0.05	1.5	N.D.
31	Cadmlum (as Cd)	mg/Lit	APHA 22 nd Ed.2012,3500-Cd, 3- 105	0.003	NoRelaxati on	N.D.
32 [.]	Mercury (as Hg)	mg/Lit	APHA 22 nd Ed.2012,3112-B, 3-23	0.001	NoRelaxati	N.D.
33	Arsenic (as As)	mg/Lit	APHA 22 nd Ed.2012,3114-C, 3-38	0.01	0.05	N.D.
34	Selenium (as Se)	mg/Lit	APHA 22 nd Ed.2012,3114-C, 3-38	0.01	NoRelaxati	N.D.
35	Chromium (as Cr)	mg/Lit	APHA 22 nd Ed.2012,3500-Cr-B, 3-69	0.05	NoRelaxati	N.D.
36	Anionic Detergent (as MBAS)	mg/Lit	APHA 22nd Ed.2012,5540-C, 5-53	0.2	1.0	N.D.
37	Phenolic Compound (as C ₆ H ₅ OH)	mg/Lit	APHA 22 nd Ed.2012,5540-B & C, 5-47	0.001	0.002	N.D. [*]
38	Poly-nuclear Aromatic Hydrocarbon (PAH)	µg/Lit	APHA 22nd Ed.2012,6440-6-93	0.0001	NoRelaxati	N.D.
39	Mineral Oil	mg/Lit	IS 3025 (part-39) : 1991, RA 2003	0.5	No Relaxation	N.D.
40	Oil & Grease	mg/Lit	IS 3025 (Part 39):1991, RA 2003		-	N.D.
Micro	biological Analysis		1 2000	······································		
1	Total Coliforms	MPN/ 100 ML	IS:1622:1981: RA:2019	Shall not be detectable in any 100 ml sample		Absent
2	Faecal coliform	MPN/ 100ml	IS:1622:1981: RA:2019	Shall not be detectable in any 100 mi sample		Absent
Ś	E. Coll	MPN/ 100ml	IS:1622:1981:RA:2019	Shall not be detectable in any 100ml sample		Absent
Pesti	cides					
1	p,p DDT	µg/L	US EPA 508-1995			N.D.
2	o.p DDT	µg/L	US EPA 508-1995	1		N.D.
3	p,pDDE	µg/L	US EPA 508-1995	1		N.D.
4	p,p DDD	µg/L	US EPA 508-1995	<u>1</u>		N.D.
5	O,p DDD	µg/L	US EPA 508-1995	1		N.D.
6	Gamma-HCH (Lindane)	µg/L	US EPA 508-1995		2	N.D.



Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

REPORT NO. 01132

			TEST REPORT				
SR.	PARAMETER	Constants		AS PER IS 1	AS PER IS 10500:2012		
NO.		PARAMETER UNIT	METHOD OF TEST	Acceptable Limit	Permissible limit	RESULT	
7	Alpha-HCH	µg/L	US EPA 508-1995	0.0	01	N.D.	
8	Beta-HCH	µg/L	US EPA 508-1995	0.0)4	N.D.	
9	Delta HCH	µg/L	US EPA 508-1995	0.0)4	N.D.	
10	Alpha-Endosulfan	µg/L	US EPA 508-1995	0.	4	N.D.	
11	Beta-Endosulfan	µg/L	US EPA 508-1995	0.	4	N.D.	
12	Endosulfansulphate	µg/L	US EPA 508-1995	0.	4	N.D.	
13	Monocrotophos	µg/L	US EPA 8141A-1994	1		N.D.	
14	Ethion	µg/L	US EPA 8141A-1994	3	3		
15	Chloropyrifos	µg/L	US EPA 8141A-1994	30	30		
16	Phorate	µg/L	US EPA 8141A-1994	2	2		
17	Phoratesulphoxide	µg/L	US EPA 8141A-1994			N.D.	
18	Phoratesulphone	µg/L	US EPA 8141A-1994			N.D	
19	2,4-D	µg/L	US EPA 515.1-1995	30	D I	N.D.	
20	Alachior	µg/L	US EPA 508- 1995	2(D	N.D.	
21	Atrazine	µg/L	US EPA 532-2000	2		N.D.	
22	Methyl parathion	µg/L	US EPA 8141A-1994	0.	3	N.D.	
23	Methyl paraxone	µg/L	US EPA 8141A-1994			N.D.	
24	Malathion	µg/L	US EPA 8141A-1994	19	190		
25	Malaoxon	µg/L	US EPA 8141A-1994	-	-		
26	Aldrin	µg/L	US EPA 508- 1995	0.0)3	N.D.	
27	Dieldrin	µg/L	US EPA 508-1995	0.0)3	N.D.	

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

>

The report for publication, arbitration or as legal dispute is forbidden. Test sample will be retained for15 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 2 01106 2 Þ. ¢, 81 REVIEWED BY AUTHORIZED SIGNATORY

End of the test report-



Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

Name & Address Of The Cus	tamér	1	REPORT NO	UES/TR/22-23/0	1009	
то,		1	LAB REF NO	UES/22-23/W/01772		
HINDALCO INDUST	RIES LIMITED,	ſ	DATE OF SAMPLING	20/05/2022		
GARE PALMA - IV/	I, COAL MINE, VILLAGE	- 1	DATE OF RECEIPT	21/05/2022		
BANKHETA, POST	*	Ī	DATE OF REPORT	01/06/2022		
DISTT RAIGARH		1	DATE OF ANALYSIS	START:22/05/2022 #ND:30/05/2022		
SAMPLE TYPE	GROUND WATER		ORDER /REFERENCE:	N/PO/SRV/2122/0045, DTD. 24-JULI-202		
SAMPLE TYPE	GROUND WATER		ORDER /REFERENCE:	N/PO/SRV/2122/004:	5, DTD. 24-JULY-2021	
CUSTMER SAMPLE ID	BELJOR VILLAGE (DUGWELL))	SAMPLE CONDITION AT RECEIPT	ORC		
PACKING OF SAMPLE	J L X 1 NO. PVC CAN I L X 1 NO. PVC CAN I L X 1 NO. GLASS BOTTLE	<u> 22120</u>	SAMPLE COLLECTED BY	CHEMIST		
IS: 3025 (PART I): 1987 RA SAMPLING PROCEDURE 2003; APHA 22ND ED. 2012, 1060-3, 1-39		QUANTITY RECEIVED	5 LTR			

Report No.01009

100000			TEST REPORT			
SR.	PARAMETER			AS PER IS	10500:2012	
NO.		UNIT	METHOD OF TEST	Acceptable Limit	Permissible ilmit	RESULT
1	Colour Hazen IS:3025:(Part-4)		IS:3025:(Part-4)	5	15	<1
2	Odour	-	IS 3025(part-5)	Agreeable	Agresable	Agreeable
3	Taste		IS 3025(part-8)	Agreeable	Agreeable	Agreeable
4	рН		APHA 23 nd Ed.2012,4500-H ⁺ -B, 4-92	6.5-8.5	No Relaxation	7.48
5	Turbidity	NTU	APHA 23 nd Ed.2012,2130-B,2-13	1	5	0.76
6	Electrical Conductivity	µS/cm	IS 3025(part-14):1984, RA 2013	-	-	582.6
7	Residual Chlorine	mg/Lit	APHA 23 rd Ed.2012,4500-Cl-G, 4 - 69	0.2	1	N.D
8	Total Solid	mg/Lit	APHA 23 nd Ed.2012,2540- B, 2- 64	***	-	365.0
9	Total Dissolved Solids	mg/Lit	IS 3025(part-16):1984, RA 2006	500	2000	359.4
10	Total Suspended Solids	mg/Lit	APHA 23 nd Ed.2012,2540- D, 2- 66	-		5.6
11	Alkalinity Total (as CaCO ₃)	mg/Lit	IS 3025(part-23):1986, RA 2003	200	600	178.0
12	Total Hardness (as CaCO ₃)	mg/Lit	APHA 23 nd Ed.2012,2340-C, 2- 44,45	200	600	198.0
13	Calcium Hardness (as CaCO ₃)	mg/Lit	APHA 23 nd Ed.2012,3500-Ca-B, 3-67	-	-	116.0
14	Magnesium Hardness (as CaCO ₃)	mg/Lit	APHA 23 nd Ed.2012,3500-Mg-B, 3-84	-	-	82.0
15	Calcium (as Ca)	mg/Lit	APHA 23 nd Ed.2012,3500-Ca-8, 3-67	75	200	46.4
16	Magnesium (as Mg)	mg/Lit	APHA 23 nd Ed.2012,3500-Mg-B, 3-84	30	100	19.9
17	Chloride (as Cl)	mg/Lit	APHA 23 nd Ed.2012,4500-CI-B, 4-72	250	1000	36.9
18	Sulphate (as SO ₄)	mg/Lit	APHA 23 nd Ed.2012,4500-SO4-E, 4-190	200	400	24.8
19	Nitrate (as NO ₃)	mg/Lit	APHA 23 nd Ed.2012,4500-NO ₃ -B, 4-122	45	No Relaxation	1.46
20	Phosphate (as P)	mg/Lit	APHA 23nd Ed.2012,4500-P-C, 4-153		-	N.D.

AN ISO : 9001:2015 / ISO: 14001:2015 / ISO 45001:2018 CERTIFIED LABORATORY



Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

			TEST REPORT			
				AS PER IS	10500:2012	
SR. NO.	PARAMETER	UNET	METHOD OF TEST	Acceptable Limit	Permissible limit	RESULT
21	Sodium (as Na)	mg/Lit	APHA 23nd Ed.2012,3500-Na-B, 3-97	_	_	6.2
22	Potassium (as K)	mg/Lit	APHA 23 nd Ed.2012,3500-K-B, 3-87	-	-	1.56
23	Boron (as B)	mg/Lit	APHA 23 rd Ed.2012,4500-B-B, 4-25	0.5	1.0	N.D.
24	Iron (as Fe) .	mg/Lit	APHA 23** Ed.2012,3111-B,3-18	0.3	No Relaxation	N.D.
25	Fluoride (as F)	mg/Lit	APHA 23 nd Ed.2012,4500-F-B &D, 4-84 & 87	1	1.5	0.14
26	Manganese (as Mn)	mg/Lit	APHA 23 nd Ed.2012,3111-B, 3- 18	0.1	0.3	0.08
27	Lead (as Pb)	mg/Lit	APHA 23 rd Ed.2012,3111-B, 3- 18	0.01	No Relaxation	N.D.
28	Nickel (as Ni)	mg/Lit	APHA 23 rd Ed.2012,3500-Ni, 3- 108	0.02	No Relaxation	N.D.
29	Zinc (as Zn)	mg/Lit	APHA 23 nd Ed.2012,3111-B, 3- 18	5	15	N.D.
30	Copper (as Cu)	mg/Lit	APHA 23 ^{hd} Ed.2012,3111-B, 3-	0.05	1.5	N.D.
31	Cadmium (as Cd)	mg/Lit	APHA 23 rd Ed.2012,3500-Cd, 3- 105	0.003	No Relaxation	N.D.
32	Mercury (as Hg)	mg/Lit	APHA 23 nd Ed.2012,3112-B, 3- 23	0.001	No Relaxation	N.D.
33	Arsenic (as As)	mg/Lit	APHA 23 nd Ed.2012,3114-C, 3- 38	0.01	0.05	N.D.
34	Selenium (as Se)	mg/Lit	APHA 23 nd Ed.2012,3114-C, 3- 38	0.01	No Relaxation	N.D.
35	Chromium (as Cr)	mg/Lit	APHA 23 nd Ed.2012,3500-Cr-B, 3-69	0.05	No Relaxation	N.D.
36	Anionic Detergent (as MBAS)	mg/Lit	APHA 23 nd Ed.2012,5540-C, 5- 53	0.2	1.0	N.D.
37	Phenolic Compound (as C ₆ H ₅ OH)	mg/Lit	APHA 23 nd Ed.2012,5540-8 & C, 5-47	0.001	0.002	N.D.
38	Poly-nuclear Aromatic Hydrocarbon (PAH)	µg/Lit	APHA 23 nd Ed.2012,6440-6-93	0.0001	No Relaxation	N.D.
39	Mineral Oil	mg/Lit	IS 3025 (part-39) : 1991, RA 2003	0.5	No Relaxation	N.D.
40	Oil & Grease	mg/Lit	IS 3025 (Part 39):1991, RA 2003	-	-	N.D.
Micro	biological Analysis				ł.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
1	Total Coliforms	MPN/ 100 ML	IS:1622:1981: RA:2019		detectable in	Absent
2	Faecal Coliform	MPN/ 100ml	I5:1622:1981: RA:2019	Shall not be	detectable in mi sample	Absent
3	E. Coli	MPN/ 100ml	IS:1622:1981:RA:2019	Shall not be	detectable in ni sample	Absent
Pesti	cides	<u>AVVIII</u>	<u>haan ah ah</u>	GRIY AVO I	ere wenninger 1	<u> </u>
1	p,p DDT	µg/L	US EPA 508-1995		1	N.D.
2	o.p DDT	µg/L	US EPA 508-1995		1	N.D.
3	p,pDDE	µg/L	US EPA 508-1995		1	N.D.
4	p,p DDD	µg/L	US EPA 508-1995		1	N.D.
5	O,p DDD	μ <u>g/L</u>	US EPA 508-1995		1	N.D.

AN ISO : 9001:2015 / ISO: 14001:2015 / ISO 45001:2018 CERTIFIED LABORATORY



Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

			TEST REPORT				
SR.				AS PER IS	AS PER IS 10500:2012		
NO.	PARAMETER	UNIT	METHOD OF TEST	Acceptable Permissible		RESULT	
6	Gamma-HCH (Lindane)	µg/L	US EPA 508-1995		2	N.D.	
7	Alpha-HCH	µg/L	US EPA 508-1995	0.	01	N.D.	
8	Beta-HCH	µg/L	US EPA 508-1995	0.	04	N.D.	
9	Delta HCH	µg/L	US EPA 508-1995	0.	04	N.D.	
10	Alpha-Endosulfan	µg/L	US EPA 508-1995	0	.4	N.D.	
11	Beta-Endosulfan	µg/L	US EPA 508-1995	0	.4	N.D.	
12	Endosulfansulphate	µg/L	US EPA 508-1995	0	.4	N.D.	
13	Monocrotophos	µg/L	US EPA 8141A-1994		1		
14	Ethion	µg/L	US EPA 8141A-1994		3		
15	Chloropyrifos	µg/L	US EPA 8141A-1994	3	0	N.D.	
16	Phorate	µg/L	US EPA 8141A-1994	-	2	N.D.	
17	Phoratesulphoxide	µg/L	US EPA 8141A-1994	-	****	N.D.	
18	Phoratesulphone	µg/L	US EPA 8141A-1994		a	N.D.	
19	2,4-D	µg/L	US EPA 515.1-1995	3	0	N.D.	
20	Alachior	µg/L	US EPA 508- 1995	2	0	N.D	
21	Atrazine	µg/L	US EPA 532-2000	-	2	N.D.	
22	Methyl parathion	µg/L	US EPA 8141A-1994	0.	3	N.D.	
23	Methyl paraxone	µg/L	US EPA 8141A-1994			N.D.	
24	Malathion	µg/L	US EPA 8141A-1994	19	0	N.D.	
25	Malaoxon	µg/L	US EPA 8141A-1994			N.D.	
26	Aldrin	µg/L	US EPA 508- 1995	0.0	03	N.D.	
27	Dieldrin	µg/L	US EPA 508-1995	0.0	03	N.D.	

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

Terms & conditions

۶

The report for publication, arbitration or as legal dispute is forbidden. Test sample will be retained for15 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 n 8 2 6 2 0110 AUTHORIZED SIGNATORY REVIEWED BY -End of the test report-



Name & Address Of	The Customer	REPORT NO	UES/TR/22-23/02837
TO,		Lab Ref No	UES/22-23/W/07911
HINDALCO INDUSTR		DATE OF SAMPLING	24/08/2022
GARE PALMA - IV/4, 1 VILLAGE - BANKHET		DATE OF RECEIPT	25/08/2022
POST -MILUPARA.	^,	DATE OF REPORT	01/09/2022
DISTT RAIGARH (C	G.) 496107.	DATE OF ANALYSIS	START:26/08/2022 END:01/09/2022
	5	AMPLE DETAILS	
SAMPLE TYPE	GROUND WATER	ORDER /REFERENCE:	VERBAL COMMUNICATION.
CUSTMER SAMPLE ID	BANDIETA MINE (PIEZOMETER) AWLR	SAMPLE CONDITION AT RECEIPT	OK
PACKING OF SAMPLE	J L X 1 NO. FVC CAN 1 L X 1 NO. FVC CAN 1 L X 1 NO. FVC CAN 1 L X 1 NO. GLASS BOTTLE	SAMPLE COLLECTED BY	CHEMIST
SAMPLING PROCEDURE	IS:3025(PART I):1987 RA 2003; APHA 23RD ED. 2012, 1060-B, 1-39	QUANTITY RECEIVED	5 LTR

Report No. 02837

244			TEST REPORT			
SR.	PÀRAMETER			AS PER IS	10500:2012	Restaurante
NO.		UNIT	METHOD OF TEST	Acceptable Limit	Permissible limit	RESULT
1	Colour	Hazen	IS:3025:(Part-4)	5	15	<1
2	Odour	-	IS 3025(part-5)	Agreeable	Agreeable	Agreeable
3	Taste	-	IS 3025(part-8)	Agreeable	Agreeable	Agreeable
4	рН	-	APHA 23 nd Ed.2012,4500-H+-B, 4-92	6.5-8.5	No Relaxation	6.98
5	Turbidity	NTU	APHA 23 rd Ed.2012,2130-B,2-13	1	5	1.26
6	Electrical Conductivity	µS/cm	IS 3025(part-14):1984, RA 2013	_	-	142.0
7	Residual Chlorine	mg/Lit	APHA 23 nd Ed.2012,4500-Cl-G, 4 - 69	0.2	1	N.D.
8	Total Solid	mg/Lit	APHA 23 ^{nJ} Ed.2012,2540- B, 2- 64	-	-	102.9
9	Total Dissolved Solids	mg/Lit	IS 3025(part-16):1984, RA 2006	500	2000	86.6
10	Total Suspended Solids	mg/Lit	APHA 23 ^{ed} Ed.2012,2540- D, 2- 66	-	-	2.2
11	Alkalinity Total (as CaCO ₃)	mg/Lit	IS 3025(part-23):1986, RA 2003	200	600	40.0
12	Total Hardness (as CaCO ₃)	mg/Lit	APHA 23 nd Ed.2012,2340-C, 2- 44,45	200	600	56.0
13	Calcium Hardness (as CaCO3)	mg/Lit	APHA 23 nd Ed.2012,3500-Ca-B, 3-67	-	-	36.0
14	Magnesium Hardness (as CaCO ₃)	mg/Lit	APHA 23 nd Ed.2012,3500-Mg-B, 3-84	-	-	20.0
15	Calcium (as Ca)	mg/Lit	APHA 23 rd Ed.2012,3500-Ca-B, 3-67	75	200	14.4
16	Magnesium (as Mg)	mg/Lit	APHA 23 nd Ed.2012,3500-Mg-B, 3-84	30	100	4.86
17	Chloride (as Cl)	mg/Lit	APHA 23 ^{ad} Ed.2012,4500-Cl-B, 4-72	250	1000	11.9
18	Sulphate (as SO ₄)	mg/Lit	APHA 23 [™] Ed.2012,4500-50₄-E, 4-190	200	400	16.4
19	Nitrate (as NO3)	mg/Lit	APHA 23 nd Ed.2012,4500NO3-B, 4-122	45	NoRelaxatio	0.34
20	Phosphate (as P)	mg/Lit	APHA 23nd Ed.2012,4500-P-C, 4-153		-	N.D.
21	Sodium (as Na)	mg/Llt	APHA 23nd Ed.2012,3500-Na-B, 3-97	-	-	8.4
22	Potassium (as K)	mg/Lit	APHA 23* Ed.2012,3500-K-B, 3-	-	R-	0.43



84.4			TEST REPORT			
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	Acceptable	10500:2012 Permissible	RESULT
<u></u>	an and another and an and an		87	Limit	linit	a human and the sump
23	Boron (as B)	mg/Lit	APHA 23 ^{md} Ed.2012,4500-B-B, 4- 25	0.5	1.0	N.D.
24	Iron (as Fe)	mg/Lit	APHA 23** Ed.2012,3111-B,3-18	0.3	NoRelaxatio n	N.D.
25	Fluoride (as F)	mg/Lit	APHA 234 Ed.2012,4500-F-B	1	1.5	0.11
26	Manganese (as Mn)	mg/Lit	&D, 4-84 & 87 APHA 23 rd Ed.2012,3111-B, 3-18	0.1	0.3	N.D.
27	Lead (as Pb)	mg/Lit	APHA 23 [™] Ed.2012,3111-B, 3-18	0.01	NoRelaxatio	N.D.
28	Nickel (as Ni)	mg/Lit	APHA 23 nd Ed.2012,3500-Ni, 3- 108	0.02	n No Relaxation	N.D.
29	Zinc (as Zn)	mg/Lit	APHA 23 rd Ed.2012,3111-B, 3-18	5	15	N.D.
30	Copper (as Cu)	mg/Lit	APHA 23 rd Ed.2012,3111-B, 3-18	0.05	1.5	N.D.
31	Cadmium (as Cd)	mg/Lit	APHA 23 nd Ed.2012,3500-Cd, 3- 105	0.003	NoRelaxatio	N.D.
32	Mercury (as Hg)	mg/Lit	APHA 23 nd Ed.2012,3112-B, 3-23	0.001	NoRelaxatio	N.D.
33	Arsenic (as As)	mg/Lit	APHA 23 rd Ed.2012,3114-C, 3-38	0.01	0.05	N.D.
34	Selenium (as Se)	mg/Lit	APHA 23 rd Ed.2012,3114-C, 3-38	0.01	NoRelaxatio	N.D.
35	Chromium (as Cr)	mg/Lit	APHA 23 nd Ed.2012,3500-Cr-B, 3-69	0.05	NoRelaxatio n	N.D.
36	Anionic Detergent (as MBAS)	mg/Lit	APHA 23 nd Ed.2012,5540-C, 5-53	0.2	1.0	N.D.
37	Phenolic Compound (as C_6H_5OH)	mg/Llt	APHA 23 nd Ed.2012,5540-B & C, 5-47	0.001	0.002	N.D.
38	Poly-nuclear Aromatic Hydrocarbon (PAH)	µg/Lit	APHA 23 nd Ed.2012,6440-6-93	0.0001	NoRelaratio n	N.D.
39	Mineral Oil	mg/Lit	IS 3025 (part-39) : 1991, RA 2003	0.5	No Relaxation	N.D.
40	Oll & Grease	mg/Lit	IS 3025 (Part 39):1991, RA 2003	-	-	N.Đ.
Micro	biological Analysis		an ann an an ann an Ann ann an Ann		สังกรรมสาร เวลาร่ายกา - การรายงามาสัง เ	
1	Total Coliforms	MPN/ 100 ML	I5:1622:1981: RA:2019		detectable in mi sample	Absent
2	Faecal Coliform	MPN/ 100ml	IS:1622:1981; RA:2019		detectable in mi sample	Absent
3	E. Coli	MPN/ 100ml	IS:1622:1981:RA:2019	Shall not be	detectable in ni sample	Absent
Pestic	ides	**************************************				
1	p,p DDT	µg/L	US EPA 508-1995		1	N.D.
2	o.p DDT	µg/L	US EPA 508-1995		1	N.D.
3	p,pDDE	µg/L	US EPA 508-1995		1	N.D.
4	p,p DDD	µg/L	US EPA 508-1995	ىيىنى بۇيلىرى بىرىن	1	N.D.
5	O,p DDD	µg/L	US EPA 508-1995		1	N.D.
6	Gamma-HCH (Lindane)	µg/L	US EPA 508-1995		2	N.D.
7	Alpha-HCH	µg/L	US EPA 508-1995	0.	01	N.D.
8	Beta-HCH	µg/L	US EPA 508-1995	0.	04	N.D.

AN ROA - DODA-DOAR A ROAL A ADDA-DOAR A ROAL ARDAL DOAD INFORMER READING A DIDA AND A WIND



Report No. 02837 **TEST REPORT** AS PER IS 10500:2012 SR. RESULT PARAMETER UNIT METHOD OF TEST Acceptable Permissible NO. limit Limit N.D. US EPA 508-1995 0.04 9 Delta HCH µg/L 0.4 N.D. US EPA 508-1995 10 Alpha-Endosulfan µg/L N.D. US EPA 508-1995 0.4 Beta-Endosulfan 11 µg/L US EPA 508-1995 0.4 N.D. 12 Endosulfansulphate µg/L N.D. 1 US EPA 8141A-1994 13 Monocrotophos µg/L US EPA 8141A-1994 3 N.D. 14 Ethion µg/L 30 N.D. 15 Chloropyrifos US EPA 8141A-1994 µg/L 2 N.D. 16 US EPA 8141A-1994 Phorate µg/L N.D. 17 Phoratesulphoxide US EPA 8141A-1994 µg/L Phoratesulphone US EPA 8141A-1994 _ N.D. 18 µg/L 30 N.D. US EPA 515.1-1995 2.4-D 19 µg/L 20 Alachlor US EPA 508- 1995 20 N.D. 'µg/L 2 N.D. 21 Atrazine US EPA 532-2000 µg/L 22 US EPA 8141A-1994 0.3 N.D. Methyl parathion µg/L N.D. -US EPA 8141A-1994 23 Methyl paraxone µg/L US EPA 8141A-1994 190 N.D. 24 Malathion µg/L N.D. US EPA 8141A-1994 25 Malaoxon µg/L _ US EPA 508- 1995 0.03 N.D. Aldrin 26 µg/L N.D. 27 Dieldrin US EPA 508-1995 0.03 µg/L Note: mg/lit.: milligram per liter, N.D.: Not Detected.

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

The report for publication, arbitration or as legal dispute is forbidden.

AA 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. 3

(00)32 T 17
0109 22
AUTHORIZED SIGNATORY

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



Name & Address Of The Cu. TO.	stynior	REI	ORT NO	UES,	UES/TR/22-23/02838			
	STRIES LIMITED,	LAP	REF NO	UES/22-23/W/07912				
GARE PALMA - I	,	DAT	TE OF SAMPLING	24/	24/08/2022			
VILLAGE - BANK		DAT	E OF RECEIPT	25/0	08/2022			
POST -MILUPAR/	,	DA1	T OF REPORT	01/0	09/2022	91 yu -		
DISTT RAIGAR	H (C.G.) 496107.	DAT	TE OF ANALYSIS	START: 26/08/2022 END: 01/09/2		END:01/09/2022		
		SAM	PLE DETAILS	1.44.50	Second Second			
SAMPLE TYPE	GROUND WATER		ORDER /REFERENC	36 :	VERBAL COM	UNICATION.		
CUSTMER SAMPLE ID	BANJIKHOL MINE (PIEZOMET	er) avlr	SAMPLE CONDITIC	N AT	OK			
PACKING OF BAMPLE	3 L X I NO. PVC CAN 1 L X I NO. PVC CAN 1 L X I NO. GLASS BOTTLE	SEALED	SAMPLE COLLECTS	id by	CHEMIST			
SAMPLING PROCEDURE IS: 3025 (PART I): 1967 RA 200 APHA 22ND ED. 2012, 1060-B.			QUANTITY RECEIV	TED	5 LTR			

Sampli	NG PROCEDURE			987 RA 2003; 7, 1060-8,1-39	QUANTITY RECEIV	ED 5 21R		
Report	t No.02838	10255555		STATE CONTRACTS		STERIOS SERVICE	STATES AND	6212232566A
				TES	TREPORT			
33571	L'émeries	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			E CONTRACTOR	AS PER IS	10500:2012	
SR. NO,	PARAME	TER	UNIT	METHO	D OF TEST	Acceptable Limit	Permissible limit.	RESULT
1	Colour		Hazen	IS:3025:(Part-	4)	5	15	<1
2	Odour		-	IS 3025(part-5)	Agreeable	Agreeable	Agreeable
3	Taste		-	IS 3025(part-8)	Agreeable	Agreeable	Agreeable
4	рH		-	APHA 23™ Ed.2 4-92	012,4500-H *-B ,	6.5-8.5	No Relaxation	7,16
5	Turbidity		NTU	APHA 23 nd Ed.20)12,2130-B,2-13	1	5	1.4
6	Electrical Con	ductivity	µS/cm		4):1984, RA 2013	_		168.8
7	Residual Chlo	rine	mg/Lit	- 69	012,4500-Cl-G, 4	0.2	1	N.D.
8	Total Solid		mg/Lit	APHA 23 nd Ed.2012,2540- B, 2- 64		-	-	104.5
9	Total Dissolve		mg/Lit	IS 3025(part-1	6):1984, RA 2006	500	2000	102.3
10	Total Suspen Solids		mg/Lit	APHA 23 nd Ed.2 66	012,2540- D, 2-	-	-ve	2.2
11	Alkalinity Tot (as CaCO ₃)	al	mg/Lit	IS 3025(part-2	3):1986, RA 2003	200	600	48.0
12	Total Hardnes CaCO ₃)	ss (as	mg/Lit	APHA 23 nd Ed.2 44,45	012,2340-C, 2-	200	600	72.0
13	Calcium Hard	ness (as	mg/Lit	APHA 23 nd Ed.2 3-67	012,3500-Ca-B,			40.0
14	Magnesium H (as CaCO ₃)	ardness	mg/Lit	APHA 23 nd Ed.2 3-84	012,3500-Mg-B,	ан а и алектика и ликентика и и и 49	*	32.0
15	Calcium (as (Ca)	mg/Lit	3-67	012,3500-Ca-B,	75	200	16.0
16	Magnesium (as Mg)	mg/Lit	3-84	012,3500-Mg-B,	30	100	7.77
17	Chloride (as ()	mg/Lit	APHA 23 nd Ed.2012,4500-CI-B, 4-72		250	1000	18.9
18	Sulphate (as	504)	mg/Lit	APHA 23 [™] Ed.2012,4500SO₄E, 4-190		200	400	26.4
19	Nitrate (as N	03)	mg/Lit	4-122	012,4500-NO3-B,	45	NoRelaxation	2.2
20	Phosphate (a	s P)	mg/Lit	APHA 23nd Ed.: 4-153	2012,4500-P-C,	-	-	N.D.



Report No.02838

1213			TEST REPORT			
SR.	Contraction Contraction			AS PER IS	10500:2012	N-15-50
NO.	PARAMETER	UNIT	METHOD OF TEST	Acceptable Limit	Permissible limit	RESULT
21	Sodium (as Na)	mg/Lit	APHA 23nd Ed.2012,3500-Na-B, 3-97	-	-	8.2
22	Potassium (as K)	mg/Lit	APHA 23 nd Ed.2012,3500-K-B, 3-87	-	-	0.21
23	Boron (as B)	mg/Lit	APHA 23 rd Ed.2012,4500-B-B, 4-25	0.5	1.0	N.D.
24	Iron (as Fe)	mg/Lit	APHA 23 nd Ed.2012,3111-B,3-18	0.3	NoRelaxation	N.D.
25	Fluoride (as F)	mg/Lit	APHA 23 rd Ed.2012,4500-F-B &D, 4-84 & 87	1	1.5	N.D.
26	Manganese (as Mn)	mg/Lit	APHA 23nd Ed.2012,3111-8, 3-18	0.1	0.3	N.D.
27	Lead (as Pb)	mg/Lit	APHA 23nd Ed.2012,3111-B, 3-18	0.01	NoRelaxation	N.D.
28	Nickel (as Ni)	mg/Lit	APHA 23 nd Ed.2012,3500-Ni, 3- 108	0.02	No Relaxation	N.D.
29	Zinc (as Zn)	mg/Lit	APHA 23 rd Ed.2012,3111-B, 3-18	5	15	N.D.
30	Copper (as Cu)	mg/Llt	APHA 23 rd Ed.2012,3111-B, 3-18	0.05	1.5	N.D.
31	Cadmium (as Cd)	mg/Lit	APHA 23 nd Ed.2012,3500-Cd, 3- 105	0.003	NoRelaxation	N.D.
32	Mercury (as Hg)	mg/Lit	APHA 23 nd Ed.2012,3112-B, 3-23	0.001	NoRelaxation	N.D.
33	Arsenic (as As)	mg/Lit	APHA 23 rd Ed.2012,3114-C, 3-38	0.01	0.05	N.D.
34	Selenium (as Se)	mg/Lit	APHA 23" Ed.2012,3114-C, 3-38	0.01	NoRelaxation	N.D.
35	Chromium (as Cr)	mg/Lit	APHA 23 rd Ed.2012,3500-Cr-B, 3-69	0.05	NoRelaxation	N.D.
36	Anionic Detergent (as MBAS)	mg/Lit	APHA 23 nd Ed.2012,5540-C, 5-53	0.2	1.0	N.D.
37	Phenolic Compound (as C ₆ H ₅ OH)	mg/Lit	APHA 23 nd Ed.2012,5540-B & C, 5-47	0.001	0.002	N,D.
38	Poly-nuclear Aromatic Hydrocarbon (PAH)	µg/Lit	APHA 23 nd Ed.2012,6440-6-93	0.0001	NoRelaxation	N.D.
39	Mineral Oil	mg/Lit	IS 3025 (part-39) : 1991, RA 2003	0.5	No Relaxation	N.D.
40	Oil & Grease	mg/Lit	IS 3025 (Part 39):1991, RA 2003	- 44	-	N.D.
licro	biological Analysis	£ 4,, 4,, 4,, 4, 4, 4, 4, 4, 4, 4, 4, 4,				
1	Total Collforms	MPN/ 100 ML	IS:1622:1981: RA:2019		etectable in any I sample	Absent
2	Faecal Coliform	MPN/ 100ml	IS:1622:1981: RA:2019		etectable in any I sample	Absent
3	E. Coli	MPN/ 100ml	IS:1622:1981:RA:2019		etectable in any sample	Absent
esti	tides					
1	p,p DDT	µg/L	US EPA 508-1995		1	N.D.
2	o.p DDT	µg/L	US EPA 508-1995	1		N.D.
3	p,pDDE	µg/L	US EPA 508-1995	- "		N.D,
4	p,p DDD	µg/L	US EPA 508-1995		1	N.D.
5	O,p DDD	µg/L	US EPA 508-1995		1	N.D.
6	Gamma-HCH (Lindane)	µg/L	US EPA 508-1995		2	N.D.
7	Alpha-HCH	µg/L	US EPA 508-1995	0	.01	N.D.



Report No.02638

		Sec. As	Constant and the second se	AS PER IS		
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	Acceptable Limit	Permissible limit	RESULT
8	Beta-HCH	µg/L	US EPA 508-1995	0.	04	N.D.
9	Delta HCH	µg/L	US EPA 508-1995	0.	04	N.D.
10	Alpha-Endosulfan	µg/L	US EPA 508-1995	0	.4	N.D.
11	Beta-Endosulfan	µg/L	US EPA 508-1995	0	.4	N.D.
12	Endosulfansulphate	µg/L	US EPA 508-1995	0	.4	N.D.
13	Monocrotophos	µg/L	US EPA 8141A-1994		1	N.D.
14	Ethion	µg/L	US EPA 8141A-1994		3	N.D.
15	Chioropyrifos	µg/L	US EPA 8141A-1994	3	30	
16	Phorate	; µg/L	US EPA 8141A-1994		2	
17	Phoratesulphoxide	µg/L	US EPA 8141A-1994		-	N.D.
18	Phoratesulphone	µg/L	US EPA 8141A-1994		-	N.D.
19	2,4-D	µg/L	US EPA 515.1-1995	3	0	N.D.
20	Alachior	µg/L	US EPA 508- 1995	2	0	N.D.
21	Atrazine	µg/L	US EPA 532-2000		2	N.D.
22	Methyl parathion	µg/L	US EPA 8141A-1994	0	.3	N.D.
23	Methyl paraxone	µg/L	US EPA 8141A-1994			N.D.
24	Malathion	µg/L	US EPA 8141A-1994	19	90	N.D.
25	Malaoxon	1 ha/r	US EPA 8141A-1994			N.D.
26	Aldrin	µg/L	US EPA 508- 1995	0.	03	N.D.
27	Dieldrin	ug/L	US EPA 508-1995) 0.	03	N.D.

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

Þ

- Þ
- The report for publication, arbitration or as legal dispute is forbidden. Test sample will be retained for 15days after issue of test report unlass otherwise agreed with customer. This is for information as the party has asked for above test(s) only. è. For ULTIMATE ENVIROLYTICAL SOLUTIONS Hel-01/03/22 22 09 AUTHORIZED SIGNATORY **REVIEWED BY**

-----End of the test report-



Name & Address Of the Co TO,	stamm	REPORT NO	UES/TR/22-2	3/02875	
HINDALCO INDUSTR	IEC I MATTER	LAB REF NO	UES/22-23/W/07995		
GARE PALMA - IV/5,	ME LINARA	DATE OF SAMPLING 25/08/2022		Province Province and Application Sector	
U/G COAL MINE VIL	MINE, VILLAGE - MILUPARA,		26/08/2022		
BLOCK-TAMNAR,	and an a start of a fact by	DATE OF REPORT	02/09/2022	r na na za zraza mynu.	
DISTT RAIGARH (C	.G.) 496107	DATE OF ANALYSIS	START: 26/05/2	2022 END:01/09/2022	
	84	MPLE DETAILS			
SAMPLE TYPE	GROUND MATER	ORDER /REFER	ENREE /	VERBAL COMMUNICATION.	
CUSTMER SAMPLE ID	NEAR MILUPARA MINES OFFICE PIEZOMETER -AMLR	SAMPLE CONDITION AT RECEIPT		OX	
PACKING OF SAMPLE	3 L X I NO. FVC CAN 1 L X I NC. FVC CAN 1 L X I NO. GLASS BOTTLE	SAMPLE COLLE	CIED BY	Chemist	
SAMPLING PROCEDURE	IS: 3025 (PART I): 1987 RA 2003; ADMA 22ND ED. 2012, 1060-B, 1-	39 QUANTITY REC	eived	5 LIT	

REPORT NO. 02875

245	TRANSFE GROOM	1-24-2	TEST REPORT			Production in the	
SR.	PARAMETER	UNIT		AS PER I	AS PER IS 10500:2012		
NO.		URIT	METHOD OF TEST	Acceptable Limit	Permissible limit	RESULT	
1	Colour	Hazen	IS:3025:(Part-4)	5	15	<1	
2	Odour		IS 3025(part-5)	Agreeable	Agreeable	Agreeabl	
3	Taste		IS 3025(part-8)	Agreeable	Agreeable	Agreeabl	
4	pH	+	APHA 22 rd Ed.2012,4500-H*-B, 4-92	6.5-8.5	No Relaxation	7.26	
5	Turbidity	NTU	APHA 22ndEd.2012,2130-8,2-13	1	5	2.8	
6	Electrical Conductivity	µS/cm	IS 3025(part-14):1984, RA 2013	-		262.4	
7	Residual Chiorine	mg/Lit	APHA 22 nd Ed.2012,4500-CI-G,4 - 69	0.2	1	N.D.	
8	Total Solid	mg/Llt	APHA 22nd Ed.2012,2540- B, 2- 64	-		165.8	
9	Total Dissolved Solids	mg/Lit	1S 3025(part-16):1984, RA 2006	500	2000	159.0	
10	Total Suspended Solids	mg/Lit	APHA 22 nd Ed.2012,2540- D, 2- 66	-	-	5.8	
11	Alkalinity Total (as CaCO ₃)	mg/Lit	IS 3025(part-23):1986, RA 2003	200	600	36.0	
12	Total Hardness (as CaCO ₃)	mg/Lit	APHA 22* Ed.2012,2340-C, 2- 44,45	200	600	60.0	
13	Calcium Hardness (as CaCO ₃)	mg/Lit	APHA 22* Ed.2012,3500-Ca-B, 3-67	- 3		32.0	
14	Magnesium Hardness (as CaCO ₃)	mg/Lit	APHA 22 nd Ed.2012,3500-Mg-B, 3-84		μ	28.0	
15	Calcium (as Ca)	mg/Lit	APHA 22 rd Ed.2012,3500-Ca-8, 3-67	75	200	12.8	
16	Magnesium (as Mg)	mg/Lit	APHA 22nd Ed.2012,3500-Mg-B, 3-84	30	100	6.8	
17	Chloride (as Cl)	mg/Lit	APHA 22 nd Ed. 2012,4500-CI-B, 4-72	250	1000	16.9	
8	Sulphate (as SO4)	mg/Lit	APHA 22 nd Ed.2012,4500-SO4- E,4-190	200	400	14.8	
9	Nitrate (as NO ₃)	mg/Lit	APHA 22nd Ed.2012,4500-NO1-B, 4-122	45	No Relaxation	2.8	

AN ISO - 9001-2015 / ISO- 14001-2016 / ISO 45004-2040 OF OFFICIER LA DEST



REPORT NO. 02875

1.164	2	WE ST	TEST REPORT	122559 J		
SR.		No. and		AS PER	5 1050012012	
NO.	PARAMETER	UNIT	METHOD OF TEST	Acceptable Limit	Permissible limit	RESULT
20	Phosphate (as P)	mg/Lit	APHA 22nd Ed.2012,4500-P-C, 4-153	-	-	N.D.
20	Sodium (as Na)	mg/Lit	APHA 22ndEd.2012,3500-Na-B, 3-97	-	-	7.6
21	Potassium (as K)	mg/Lit	APHA 22 nd Ed.2012,3500-K-B, 3- 87		-	0.22
22	Boron (as B)	mg/Lit	APHA 22** Ed.2012,4500-B-B, 4- 25	0.5	1.0	N.D.
23	Iron (as Fe)	mg/Lit	APHA 22** Ed. 2012,3111-B.3-18	0.3	No Relaxation	N.D.
24	Fluoride (as F)	mg/Ut	APHA 22 ^m Ed.2012,4500-F-B &D, 4-64 & 87	1	1.5	0.18
25	Manganese (as Mn)	mg/Lit	APHA 22nd Ed.2012,3111-B, 3-18	0.1	0.3	N.D.
26	Lead (as Pb)	mg/Lit	APHA 22" Ed.2012,3111-B, 3-18	0.01	No Relaxation	N.D.
27	Nickel (as Ni)	mg/Lit	APHA 22nd Ed.2012,3500-Ni, 3-	0.02	No Relaxation	N.D.
28	Zinc (as Zn)	mg/Lit	APHA 22 nd Ed.2012,3111-8, 3-18	5	15	N.D.
29	Copper (as Cu)	mg/Lit	APHA 22st Ed.2012,3111-B, 3-18	0.05	1.5	N.D.
30	Cadmium (as Cd)	mg/Lit	APHA 22 nd Ed.2012,3500-Cd,3- 105	0.003	No Relaxation	N.D.
31	Mercury (as Hg)	mg/Lit	APHA 22* Ed.2012,3112-8, 3-23	and an end of the second s		N.D.
32	Arsenic (as As)	mg/Lit	APHA 22** Ed.2012,3114-C, 3-38			N.D.
33	Selenium (as Se)	mg/Lit	APHA 22" Ed. 2012,3114-C, 3-38	0.01	No Relaxation	N.D.
34	Chromium (as Cr)	mg/Lit	APHA 22 nd Ed.2012,3500-Cr-B, 3-69	0.05	No Relaxation	N.D.
35	Anionic Detergent (as MBAS)	mg/Lit	APHA 22nd Ed 2012,5540-C, 5-53	0.2	1.0	N.D.
36	Phenolic Compound (as C6H5OH)	mg/Llt	АРНА 22 ^м Ed.2012,5540-B & C, 5-47	0.001	0.002	N.D.
37	Poly-nuclear Aromatic Hydrocarbon (PAH)	µg/Lit	APHA 22 nd Ed.2012,6440-6-93	0.0001	No Relaxation	N.D.
38	Mineral Oil	mg/Lit	IS 3025 (part-39) : 1991, RA 2003	0.5	No Relaxation	N.D.
39	Oil & Grease	mg/Lit	IS 3025 (Part 39):1991, RA 2003	ر . به همچنه مستخد عبد است. به است. با است. ب	-	N.D.
licro	blological Analysis					
1	Total Coliforms	MPN/ 100 ML	IS:1622:1981: RA:2019		detectable in any	Absent
2	Faecal coliform	MPN/ 100ml	IS:1622:1981: RA:2019	Shall not be	detectable in any	Absent
3	E. Coll	MPN/ 100ml	IS:1622:1981:RA:2019	Shall not be	detectable in any i	Absent
esti	cides		æ, y			
1	p,p DDT	µg/L	US EPA 508-1995	raar and units conversionships only on subsystems	1	N.D.
2	o.p DDT	µg/L	US EPA 508-1995	. Tillerine that game group and a	1	N.D.
3	p,pDDE	µg/L	US EPA 508-1995		1	N.D.

AN ISO - 9001-2015 JISO- 14001-2015 JISO 45004-2019 CEDTICICS LADORATORY



was well in the base of a

REPORT NO. 02875

-	A restant and the second	Supercentre	TEST REPOR			and a state of	
SR.	PARAMETER	UNIT		AS PER I	8 10500:2012		
NO.		UNH	METHOD OF TEST	Acceptable Limit	Permissible limit	RESULT	
4	p,p DDD	µg/L	US EPA 508-1995		1 1	N.D.	
5	O,p DDD	µg/L	US EPA 508-1995	1	1	N.D.	
6	Gamma-HCH (Lindane)	µg/L	US EPA 508-1995	,	2	N.D.	
7	Alpha-HCH	µg/L	US EPA 508-1995		0.01	N.D.	
8	Beta-HCH	µg/L	US EPA 508-1995		0.04	N.D.	
9	Delta HCH	µg/L	US EPA 508-1995	/	0.04	N.D.	
10	Alpha-Endosulfan	µg/L	US EPA 508-1995		0.4	N.D.	
11	Beta-Endosulfan	µg/L	US EPA 508-1995		0.4	N.D.	
12	Endosulfansulphat e	µg/L	US EPA 508-1995		0.4		
13	Monocrotophos	µg/L	US EPA 8141A-1994		1		
14	Ethion	µg/L	US EPA 8141A-1994		3	N.D.	
15	Chloropyrifos	µg/L	US EPA 8141A-1994		30	N.D.	
16	Phorate	µg/L	US EPA 8141A-1994	** •• •• •• •• •• •• •• •• ••	2	N.D.	
17	Phoratesulphoxide	µg/1.	US EPA 8141A-1994			N.D.	
18	Phoratesulphone	µg/L	US EPA 8141A-1994		F	N.D.	
19	2,4-D	µg/L	US EPA 515.1-1995		30	N.D.	
20 .	Alachior	µg/L	US EPA 508- 1995	*	20	N.D.	
21	Atrazine	µg/L	US EPA 532-2000		2	N.D.	
22	Methyl parathion	µg/L	US EPA 8141A-1994		0,3	N.D.	
23	Methyl paraxone	µg/L	US EPA 8141A-1994		ter y age	N.D.	
24	Malathion	µg/L	US EPA 8141A-1994		190	N.D.	
25	Malaoxon	µg/L	US EPA 8141A-1994			N.D.	
26	Aldrin	µg/L	US EPA 508- 1995		0.03	N.D.	
27	Dieldrin	µg/L	US EPA 508-1995		.03	N.D.	

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions ۶

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

For ULTIMATE ENVIROLYTICAL SOLUTIONS Steelle-02/03/22 02 09 22 REVIEWED BY AUTHORIZED SIGNATORY

-End of the test report-



Name & Address Of The Customer TO, HINDALCO INDUSTRIES LIMITED, GARE PALMA ~ IV/S, MILUPARA U/G COAL MINE, VILLAGE ~ MILUPARA, BLOCK-TAMNAR,		LAB DATE DATE	RT NO REF NO OF SAMPLING OF RECEIPT OF REPORT		26/08/2022		
DISTT RAIGARH (C	DATE OF ANALYSIS		START: 26/05/202		END:01/09/2022		
第二時間になった。		SAMP	LE DETAILS				
SAMPLE TYPE	GROUND WATER		ORDER /REFERE	NCE :	VER	AL CONSTRUCTION.	
CUSTMER SAMPLE ID	STAFT QUARTER-BANJIKHOL PIEZOMETER (ANLR)		SAMPLE CONDITION AT RECEIPT		OK		
PACKING OF SAMPLE	3 L X 1 NO. FVC CAN I L X 1 NO. FVC CAN 1 L X 1 NO. GLASS BOTTLE	SEALED	SAMPLE COLLEC	ted by	CHER	ast	
SAMELING PROCEDURE IS: 3025 (PART 1): 1987 RA 1 APHA 22ND ED. 2012, 1060			QUANTITY RECEIVED		5 LTR		

REPORT BO. 02874

in a	TEST REPORT									
SR. NO.	PARAMETER	PARAMETER UNIT METH			LE LIMIT FOR 5R (13-10500:2012) Permissible Hunit	RESULT				
1	Colour	Hazen	IS:3025:(Part-4)	5	15	<1				
2	Odour	-	IS 3025:(part-5)	Agreeable	Agreeable	Agreeable				
3	Taste	New York, and the state of the second	IS 3025:(part-8)	Agreeable	Agreeable	Agreeable				
4	рH	-	APHA 22 nd Ed.2012,4500-H*-B, 4-92	6.5-8.5	No Relaxation	6.94				
5	Turbidity	NTU	APHA 22**Ed.2012,2130-B,2-13	1	5	0.82				
6	Electrical Conductivity	µS/cm	IS 3025(part-14):1984, RA 2013		-	210.6				
7	Residual Chlorine	mg/Lit	APHA 22md Ed.2012,4500-CI-G, 4	0.2	1	N.D.				
8	Total Solid	mg/Lit	APHA 2210 Ed.2012,2540- B, 2- 64	* ***** ******************************	ern taman karrot tapang kip - pini diwawa anya naman a ama da	136.0				
9	Total Dissolved Solids	mg/Lit	IS 3025(part-16):1984, RA 2006	500	2000	127.6				
10	Total Suspended Solids	mg/Lit	APHA 22M Ed.2012,2540- D, 2- 66		-	8.4				
11	Alkalinity Total (as CaCO ₃)	mg/Lit	IS 3025(part-23):1986, RA 2003	200	600	34.0				
12	Total Hardness (as CaCO ₃)	mg/Lit	APHA 22* Ed.2012,2340-C, 2- 44,45	200	600	78.0				
13	Calcium Hardness (as CaCO ₃)	mg/Lit	APHA 22nd Ed.2012,3500-Ca-B, 3-67		-	52.0				
14	Magnesium Hardness (as CaCO ₃)	mg/Ut	APHA 22** Ed.2012,3500-Mg-B, 3-84		- ·	26.0				
15	Catcium (as Ca)	mg/Lit	APHA 22** Ed.2012,3500-Ca-B, 3-67	75	200	20.8				
16	Magnesium (as Mg)	mg/Lit	APHA 22 nd Ed.2012,3500-Mg-B, 3-84	30	100	6.31				
17	Chloride (as CI)	mg/Lit	APHA 22* Ed.2012,4500-CI-8, 4-72	250	1000	22.9				
18	Sulphate (as SO ₄)	mg/Lit	APHA 22 nd Ed.2012,4500-SOc- E,4-190	200	400	28.4				
19	Nitrate (as NO ₃)	mg/Lit	APHA 22 ^{ml} Ed.2012,4500-NO3- B,4-122	45	No Relaxation	0.64				
20	Phosphate (as P)	mg/Lit	APHA 22nd Ed.2012,4500-P-C, 4-153		-	N.D.				

AN ISO 19001/2015 / ISO/ 14001/2015 / ISO 45001/2019 CEDTICICS (ADODATODY



REPORT NO. 02876

1.0		40 11	TEST REPORT			W. Stan
SR.		a substant		a province of the second strength of the second strength of the	LE LIMIT FOR	
NQ.	PARAMETER	UNIT	METHOD OF TEST	Acceptable	Permissible	RESUL
1.5				Limit	limit	
21	Sodium (as Na)	mg/Lit	APHA 22ndEd.2012,3500-Na-B, 3-97	-	-	5.2
22	Potassium (as K)	mg/Lit	APHA 22" Ed.2012,3500-K-B, 3- 87	-		2.8
23	Boron (as B)	mg/Lit	APHA 22 nd Ed.2012,4500-8-8, 4- 25	0.5	1.0	N.D.
24	Iron (as Fe)	mg/Lit	APHA 22* Ed.2012,3111-B,3-18	0.3	No Relaxation	N.D.
25	Fluoride (as F)	mg/Lit	APHA 22 rd Ed.2012,4500-F-B &D, 4-84 & 87	1	1.5	0.16
26	Manganese (as Mn)	mg/Llt	APHA 22nd Ed.2012,3111-B, 3-18	0.1	0.3	N.D.
27	Lead (as Pb)	mg/Lit	APHA 22 ^{md} Ed.2012,3111-B, 3-18	0.01	No Relaxation	N.D.
28	Nickel (as Ni)	mg/Lit	APHA 22rd Ed.2012,3500-NI, 3- 108	0.02	No Relaxation	N.D.
29	Zinc (as Zn)	mg/Lit	APHA 22" Ed.2012,3111-8, 3-18	5	15	N.D.
30	Copper (as Cu)	mg/Lit	APHA 22nd Ed.2012,3111-B, 3-18	0.05	1.5	N.D.
31	Cadmium (as Cd)	mg/Lit	APHA 22** Ed.2012,3500-Cd, 3- 105	0.003	No Relaxation	N.D.
32	Mercury (as Hg)	mg/Lit	APHA 22ª Ed.2012,3112-B, 3-23	0.001	No Relaxation	N.D,
33	Arsenic (as As)	mg/Lit	APHA 22 nd Ed.2012,3114-C, 3-38	0.01	0.05	N.D.
34	Selenium (as Se)	mg/Lit	APHA 22** Ed.2012,3114-C, 3-38	0.01	No Relaxation	N.D.
35	Chromium (as Cr)	mg/Lit	APHA 22 nd Ed.2012,3500-Cr-B, 3-69	0.05	No Relaxation	N,D.
36	Anionic Detergent (as MBAS)	mg/Lit	APHA 22" Ed. 2012, 5540-C, 5-53	0.2	1.0	N.D.
37	Phenolic Compound (as C6HsOH)	mg/Lit	APHA 22 nd Ed.2012,5540-B & C, 5-47	0.001	0.002	N.D,
38	Poly-nuclear Aromatic Hydrocarbon (PAH)	µg/Lit	APHA 22M Ed.2012,6440-6-93	0.0001	No Relaxation	N.D.
39	Mineral Oil	mg/Lit	15 3025 (part-39) : 1991, RA 2003	0.5	No Relexation	N.D.
40	Oil & Grease	mg/Lit	IS 3025 (Part 39):1991, RA 2003	_		N.D.
licrob	iological Analysis	· · · · · · · · · · · · · · · · · · ·		·	407 BLF . BLI	1
1	Total Coliforms	MPN/ 100 ML	IS:1622:1981: RA:2019		detectable in mi sample	Absent
2	Faecal coliform	MPN/ 100ml	IS:1622:1981: RA:2019	Shall not be	detectable in mi sample	Absent
3	E. Coli	MPN/ 100ml	TS:1622:1981:RA:2019	Shall not be	detectable in ni sample	Absent
estici	des	An A star alasters	ай на валании а на	wit1 2001	a a s and an	10
1	p,p DDT	µg/L	US EPA 508-1995		1	N.D.
2	o.p DDT	µg/L	US EPA 508-1995		1	N.D.
3	p,pDDE	µg/L	US EPA 508-1995		1	N.D.
4	p,p DDD	jug/L	US EPA 508-1995	**************************************	1	N.D.
5	O,p DDD	µg/L	US EPA 508-1995		1 1-	N.D.
6	Gamma-HCH (Lindane)	µg/L	US EPA 508-1995		2	N.D.
7	Alpha-HCH	µg/L	US EPA 508-1995		01	N.D.

AN ISO - 9001-2015 LISO: 12001-2016 LISO 25001-2010 CEDTIERD LADODATODY



REPORT NO. 02874

SR.	PARAMETER			The second se	ACCEPTABLE LIMIT FOR DRINKING WATER (15 10500:2012)		
NO.		METER UNIT	METHOD OF TEST	Acceptable	Permissible limit	RESULT	
8	Beta-HCH	µg/L	US EPA 508-1995	0.	04 ;	N.D.	
9	Delta HCH	µg/L	US EPA 508-1995	0.	04	N.D.	
10	Alpha-Endosulfan	µg/L	US EPA 508-1995	0	.4	N.D.	
11	Beta-Endosulfan	µg/L	US EPA 508-1995	0	.4	N.D.	
12	Endosulfansulphate	µg/L	US EPA 508-1995	0	.4	N.D.	
13	Monocrotophos	µg/L	US EPA 8141A-1994		1	N.D.	
14	Ethion	1 µg/L	US EPA 8141A-1994		3	N.D.	
15	Chloropyrifes	µg/L	US EPA 8141A-1994	30		N.D.	
16	Phorate	µ9/L	US EPA 8141A-1994		2	N.D.	
17	Phoratesulphoxide	µg/L	US EPA 8141A-1994		-	N.D.	
18	Phoratesulphone	µg/L	US EPA 8141A-1994		1	N.D.	
19	2,4-D	µg/L	US EPA 515.1-1995	3	0	N.D.	
20	Alachior	µg/L	US EPA 508- 1995	2	0	N.D.	
21	Atrazine	µg/L	US EPA 532-2000	a na ann an A	2	N.D.	
22	Methyl parathion	μg/L	US EPA 8141A-1994	Û.	3	N.D.	
23	Methyl paraxone	µg/L	US EPA 8141A-1994	and a state of the second	,	N.D.	
24	Malathion	µ9/L	US EPA 8141A-1994		0	N.D.	
25	Malaoxon	µg/L	US EPA 8141A-1994			N.D.	
26	Aldrin	µg/L	US EPA 508- 1995	0.0)3	N.D.	
27	Dieldrin	µq/L	US EPA 508-1995	0,0		N.D.	

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

> The report for publication, arbitration or as legal dispute is forbidden.

> Test sample will be retained for15 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.

	A Second A	For ULTIMATE ENVIROLYTICAL SOLUTIONS
Rull		14
02/03/22		15922
REVIEWED BY		AUTHORIZED SIGNATORY

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



Name & Address Of The	Gustomer	REPO	XRT NO	UES/TR/	22-23/92	876	
TO,	LAB	REP NO	UES/22-23/W/07996				
HINDALCO INDUSTRIES LIMITED, GARE PALMA – IV/5, MILUPARA U/G COAL MINE, VILLAGE – MILUPARA, BLOCK-TAMNAR, DISTT RAIGARH (C.G.) 496107				25/08/2	25/08/2022		
		DATE	OF RECEIPT	26/08/2022			
		DATE	OF REPORT	02/09/2022		· · · · · · · · · · · · · · · · · · ·	
		DATE	OF ANALYSIS	START:26	/05/2022	END: 01/09/2022	
		SAMPL	e details				
SAMPLE TYPE	GROUND WATER		ORDER /REFERE	NCE :	VERIA	L COMMUNICATION.	
CUSTMER SAMPLE ID	MILUPARA VILLAGE NEAR PH HIL (DOGWELL)	¢-	SAMPLE CONDIT	ION AT	OK	1	
PACKING OF SAMPLE	3 L X 1 NO. FVC CAN 1 L X 1 NO. FVC CAN 1 L X 1 NO. FVC CAN 1 L X 1 NO. GLASS BOTTLE	SEALED	SAMPLE COLLEC	TED BY	Citizad	ST	
SAMPLING PROCEDURE	15:3025 (FART I):1987 RA 1 APKA 22ND ED. 2012.1050-1		QUANTITY RECE	IVED	5 LTR	······································	

REPORT NO. 02876

SR.		1202		AS PER IS	10500:2012	
NO.	PARAMETER	UNIT	METHOD OF YEST	Acceptable	CASHEG WAR SAME TO A SAME	
1	Colour	Hazen	IS:3025:(Part-4)	5	15	<1
2	Odour	-	IS 3025(part-5)	Agreeable	Agreeable	Agreeable
3	Taste	-	1S 3025(part-8)	Agreeable	Agreeable	Agreeable
4	рН	-	APHA 22 ⁴⁶ Ed.2012,4500-H*-B, 4-92	6.5-8.5	No Relaxation	7.42
5	Turbidity	NTU	APHA 22" Ed. 2012,2130-8,2-13	1	5	1.82
6	Electrical Conductivity	µS/am	IS 3025(part-14):1984, RA 2013			226,4
7	Residual Chlorine	mg/Lit	APHA 22 nd Ed.2012,4500-CI-G, 4 - 69	0.2	1	N.D.
8	Total Solid	mg/Lit	APHA 22** Ed.2012,2540- B, 2- 64	-		145.6
9	Total Dissolved Solids	mg/Lit	IS 3025(part-16):1984, RA 2006	500	2000	137.2
10	Total Suspended Solids	mg/Lit	APHA 22 nd Ed.2012,2540- D, 2- 66	**	~	8.4
11	Alkalinity Total (as CaCO ₃)	mg/Lit	IS 3025(part-23):1986, RA 2003	200	600	40.0
12	Total Hardness (as CaCO ₃)	mg/Lit	APHA 22rd Ed.2012,2340-C, 2- 44,45	200	600	96.0
13	Calcium Hardness (as CaCO3)	mg/Lit	APHA 22 rd Ed.2012,3500-Ca- B,3-67	-	-	44.0
14	Magnesium Hardness (as CaCO3)	mg/Lit	APHA 22 nd Ed.2012,3500-Mg- B,3-84	در است		52.0
15	Calcium (as Ca)	mg/Lit	APHA 22"4 Ed.2012,3500-Ca- B,3-67	75	200	17.6
16	Magnesium (as Mg)	mg/Lit	APHA 22nd Ed.2012,3500-Mg-B, 3-84	30	100	12.6
17	Chioride (as Ci)	mg/Lit	APHA 22rd Ed.2012,4500-CI-B, 4-72	250	1000	36.9
18	Sulphate (as SO ₄)	mg/Lit	APHA 22 rd Ed.2012,4500-SO ₄ - E, 4-190	200	400	22.4
19	Nitrate (as NO ₃)	mg/Lit	APHA 22 nd Ed.2012,4500-NO3- B,4-122	45	No Relaxation	2.2
20	Phosphate (as P)	mg/Lit	APHA 22ndEd.2012,4500-P-C, 4-153	-		N.D.
21	Sodium (as Na)	mg/Lit	APHA 22nd Ed.2012,3500-Na-	-	ar an	5.6

AN ISO - 0001-2015 (180- 14001-2016 (190) 45004-2040 (EDTIFIED LADODATODA



REPORT NO. 02976

SR.				AS PER IS	10500:2012	
NO.	PARAMETER	UNIT	METHOD OF TEST	Acceptable	Permissible fimit	RESUL
			8, 3-97		, , , , , , , , , , , , , , , , , , ,	
22	Potassium (as K)	mg/Lit	APHA 22 nd Ed.2012,3500-K-B, 3-87	-	-	1.22
23	Boron (as B)	mg/Lit	APHA 22 nd Ed.2012,4500-B-B, 4-25	0.5	1.0	N.D.
24	Iron (as Fe)	mg/Lit	APHA 22 nd Ed.2012,3111-8,3- 18	0.3	No Relaxation	N.D.
25	Fluoride (as F)	mg/Lit	APHA 22 nd Ed.2012,4500-F-8 80, 4-84 & 87	1	1.5	0.11
26	Manganese (as Mn)	mg/Lit	APHA 22" Ed.2012,3111-B, 3-	0.1	0.3	0.18
27	Lead (as Pb)	mg/Lit	APHA 22 ^{ed} Ed.2012,3111-B, 3- 18	0.01	No Relaxation	N.D.
28	Nickel (as Ni)	mg/Lit	APHA 22** Ed. 2012, 3500-Ni, 3-	0.02	No	N.D.
29	Zinc (as Zn)	mg/Lit	APHA 22 ^m Ed.2012,3111-B, 3- 18	5	Relaxation 15	N.D.
30	Copper (as Cu)	mg/Lit	APHA 22 nd Ed.2012,3111-B, 3- 18	0.05	1.5	N.D.
31	Cadmium (as Cd)	mg/Lit	APHA 22 nd Ed.2012,3500-Cd, 3- 105	0.003	No	N.D.
32	Mercury (as Hg)	mg/Lit	APHA 22 nd Ed.2012,3112-B, 3-	0.001	Relaxation No	N.Đ.
33	Arsenic (as As)	mg/Lit	APHA 22** Ed.2012,3114-C, 3- 38	0.01	Relaxation 0.05	N.D.
34	Selenium (as Se)	mg/Lit	APHA 22M Ed.2012,3114-C, 3- 38	0.01	No	N.D.
35	Chromium (as Cr)	mg/Lit	ADIA DIRE CLOCKE BUTC ANDA	0.05	Relaxation	N.D.
36	Anionic Detergent (as MBAS)	mg/Lit	APHA 22nd Ed.2012,5540-C, 5- 53	0.2	Relaxation	N.D.
37	Phenolic Compound (as C ₆ H ₅ OH)	mg/Lit	APHA 22 rd Ed.2012,5540-B & C, 5-47	0.001	0.002	N.D.
38	Poly-nuclear Aromatic Hydrocarbon (PAH)	µg/Lit	APHA 22M Ed.2012,6440-6-93	0.0001	No Relaxation	N.D.
39	Mineral Oil	mg/Lit	IS 3025 (part-39) : 1991, RA	0.5	No	N.D.
40	Oil & Grease	mg/Lit	IS 3025 (Part 39):1991, RA	1 1 1	Relaxation	N.D.
licrol	biological Analysis	et setstamme .un mes.ung. 6	2003			11.12.
1	Total Coliforms	MPN/ 100 ML	IS:1622:1981: RA:2019	Shall not be de 100 mi	tectable in any sample	Absent
2	Faecal coliform	MPN/ 100ml	IS:1622:1981: RA:2019		tectable in any sample	Absent
3	E. Coli	MPN/ 100ml	IS:1622:1981:RA:2019	Shall not be de	tectable in any	Absent
estic	ides	A		100ml	SOUTHAR	
1	P,P DDT	µg/L	US EPA 508-1995			N.D.
	o.p DDT	µg/L	US EPA 508-1995	1		N.D.
-	p,pDDE	µg/L	US EPA 508-1995	1		
	p,p DDD	μg/ί.	US EPA 508-1995	1		N.D.
	O,p DDD	µg/L	US EPA 508-1995	1		N.D.

AN 190 - 0001-2015 HOOL 14004-0045 HOOL 15004 0040 OFFENDER - ----



REPORT NO. 02875

5R.	A STATE OF THE STATE OF THE STATE			AS PER IS	AS PER 15 10500:2012		
NO.	PARAMETER	UNIT	METHOD OF TEST	Acceptable Limit	Permissible	RESULT	
6	Gamma-HCH (Lindane)	µg/L	US EPA 508-1995		2	N.D.	
7	Alpha-HCH	µg/L	US EPA 508-1995	0	.01	N.D.	
8	Beta-HCH	µg/L	US EPA 508-1995	0.	.04	N.D.	
9	Delta HCH	µg/L	US EPA 508-1995	0.	.04	N.D.	
10	Alpha-Endosulfan	µg/L	US EPA 508-1995	0	.4	N.D.	
11	Beta-Endosulfan	µg/L	US EPA 508-1995	0	.4	N.D.	
12	Endosulfansulphate	µg/L	US EPA 508-1995	0	.4	N.D.	
13	Monocrotophos	µg/L	US EPA 8141A-1994	1		N.D.	
14	Ethion	µg/L	US EPA 8141A-1994	3		N.D.	
15	Chloropyrifos	µg/L	US EPA 8141A-1994	30		N.D.	
16	Phorate	µg/L	US EPA 8141A-1994	2		N.D.	
17	Phoratesulphoxide	µg/L	US EPA 8141A-1994		· · · · · · · · · · · · · · · · · · ·	N.D.	
18	Phoratesulphone	µg/L	US EPA 8141A-1994			N.D.	
19	2,4-D	µg/L	US EPA 515.1-1995	3	0	N.D.	
20	Alachior	µg/L	US EPA 508- 1995	2	0	N.D.	
21	Atrazine	µg/L	US EPA 532-2000		2	N.D.	
22	Methyl parathion	µg/L	US EPA 8141A-1994	0	.3	N.D.	
23	Methyl paraxone	µg/L	US EPA 8141A-1994	·····	· · · · · · · · · · · · · · · · · · ·	N.D.	
24	Malathion	µg/L	US EPA 8141A-1994	19	90	N.D.	
25	Malaoxon	µg/L	US EPA 8141A-1994			N.D.	
26	Aldrin	µg/L	US EPA 508- 1995	0.1	03	N.D.	
27	Dieldrin	µg/L	US EPA 508-1995	0.1	· · · · · · · · · · · · · · · · · · ·	N.D.	

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions ۶

The report for publication, arbitration or as legal dispute is forbidden. Test sample will be retained for15 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. ja.

		For ULTIMATE ENVIROLYTICAL SOLUTIONS
STO IL		
CT Starte		A start -
C2/03/22	, second s	6210922
REVIEWED BY		AUTHORIZED SIGNATORY

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



Name & Address Of the Cus	tomar	REPORT NO	UES/TR/22-23/02839		
TO,	1	LAB REF NO	UES/22-23/W/07913		
HINDALCO INDUST	'RIES LIMITED,	DATE OF SAMPLING	24/08/2022		
GARE PALMA - IV/4	I, COAL MINE, VILLAGE -	DATE OF RECEIPT	25/08/2022		
BANKHETA, POST					
DISTT RAIGARH	_	DATE OF ANALYSIS	START: 26/08/2022 END: 01/09/2022		
SAMPLE TYPE	GROUND WATER	ORDER /REFERENCE:	VERBAL COMMUNICATION.		
SAMPLE TYPE	GROUND WATER	ORDER /REFERENCE:	VERBAL COMMUNICATION.		
and the second					
CUSTMER SAMPLE ID	SAKTA VILLAGE, (DOGWELL)	SAMPLE CONDITION AT RECEIPT			
CUSTMER SAMPLE ID PACKING OF SAMPLE	SARTA VILLAGE, (DOGMELL) 3 L X 1 NO. PYC CNN 1 L X 1 NO. GLASS BOTLE 1 L X 1 NO. GLASS BOTLE		OK CHEMIST		

Report No.02839

102			TEST REPORT			
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER 15 Acceptable Limit	10500:2012 Permissible Ilmit	RESULT
1	Colour	Hazen	IS:3025:(Part-4)	5	15	5.8
2	Odour	-	15 3025(part-5)	Agreeable	Agreeable	Agreeable
3	Taste	_	IS 3025(part-8)	Agreeable	Agreeable	Agreeable
4	рН	-	APHA 23 nd Ed.2012,4500-H ⁺ -B, 4-92	6.5-8.5	No Relaxation	7.64
5	Turbidity	NTU	APHA 23 nd Ed.2012,2130-B,2-13	1	5	4.2
6	Electrical Conductivity	µS/cm	IS 3025(part-14):1984, RA 2013		-	242.2
7	Residual Chlorine	mg/Lit	APHA 23 nd Ed.2012,4500-CI-G, 4 - 69	0.2	1	N.D.
8	Total Solid	mg/Lit	APHA 23 nd Ed.2012,2540- B, 2- 64	-	-	157.5
9	Total Dissolved Solids	mg/Lit	IS 3025(part-16):1984, RA 2006	500	2000	146.7
10	Total Suspended Solids	mg/Lit	APHA 23 nd Ed.2012,2540- D, 2- 66	Ψ.	-	10.8
11	Alkalinity Total (as CaCO ₃)	mg/Lit	IS 3025(part-23):1986, RA 2003	200	600	84.0
12	Total Hardness (as CaCO ₃)	mg/Lit	APHA 23 nd Ed.2012,2340-C, 2- 44,45	200	600	124.0
13	Calcium Hardness (as CaCO ₃)	mg/Lit	APHA 23 rd Ed.2012,3500-Ca-B, 3-67	-		86.0
14	Magnesium Hardness (as CaCO ₃)	mg/Lit	APHA 23 nd Ed.2012,3500Mg-B, 3-84	nang danang ang dan di katalap na katalap na Mat	-	38.0
15	Calcium (as Ca)	mg/Lit	APHA 23 nd Ed.2012,3500-Ca-B, 3-67	75	200	34.4
16	Magnesium (as Mg)	mg/Lit	APHA 23 ^{ad} Ed.2012,3500-Mg-B, 3-84	30	100	9.23
17	Chloride (as Cl)	mg/Lit	APHA 23 nd Ed.2012,4500-CI-B, 4-72	250	1000	24.9
18	Sulphate (as SO ₄)	mg/Lit	APHA 23 rd Ed.2012,4500-SO4-E, 4-190	200	400	21.2
19	Nitrate (as NO ₃)	mg/Lit	APHA 23 rd Ed.2012,4500-NO3-B, 4-122	45	No Relaxation	0.64
20	Phosphate (as P)	mg/Lit	APHA 23nd Ed.2012,4500-P-C, 4-153	-	-	N.D.
21	Sodium (as Na)	mg/Lit	APHA 23nd Ed.2012,3500-Na-B, 3-97	-		14.6



30%			TEST REPORT			
12.5	Contraction and a second second	1385533		AS PER 15	10500:2012	ARCINE
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	Acceptable Limit	Permissible limit	RESULT
22	Potassium (as K)	mg/Lit	APHA 23 nd Ed.2012,3500-K-8, 3-87	-		0.64
23	Boron (as B)	mg/Lit	APHA 23 nd Ed.2012,4500-B-B, 4-25	0.5	1.0	N.D.
24	Iron (as Fe)	mg/Lit	APHA 23 ^{ed} Ed.2012,3111-B,3-18	0.3	NoRelaxatio	N.D.
25	Fluoride (as F)	mg/Lit	APHA 23 rd Ed.2012,4500-F-B &D, 4-84 & 87	1	1.5	0.12
26	Manganese (as Mn)	mg/Lit	APHA 23 nd Ed.2012,3111-B, 3- 18	0.1	0.3	0.09
27	Lead (as Pb)	mg/Lit	APHA 23 nd Ed.2012,3111-B, 3- 18	0.01	NoRelaxatio	N.D.
28	Nickel (as Ni)	mg/Lit	APHA 23 nd Ed.2012,3500-Ni, 3- 108	0.02	No Relaxation	N.D.
29	Zinc (as Zn)	mg/Lit	APHA 23 nd Ed. 2012,3111-B, 3- 18	5	15	N.D.
30	Copper (as Cu)	mg/Lit	APHA 23 nd Ed.2012,3111-B, 3- 18	0.05	1.5	N.D.
31	Cadmium (as Cd)	mg/Lit	APHA 23 nd Ed.2012,3500-Cd, 3- 105	0.003	NoRelaxatio	N.D.
32	Mercury (as Hg)	mg/Lit	APHA 23 rd Ed.2012,3112-B, 3- 23	0.001	NoRelaxatio	N.D.
33	Arsenic (as As)	mg/Lit	APHA 23 nd Ed.2012,3114-C, 3- 38	0.01	0.05	N.D.
34	Selenium (as Se)	mg/Lit	APHA 23 nd Ed.2012,3114-C, 3- 38	0.01	NoRelaxatio	N.D.
35	Chromium (as Cr)	mg/Lit	APHA 23 nd Ed.2012,3500-Cr-B, 3-69	0.05	NoRelaxatio	N.D.
36	Anionic Detergent (as MBAS)	mg/Lit	APHA 23 nd Ed.2012,5540-C, 5-	0.2	1.0	N.D.
37	Phenolic Compound (as C_6H_5OH)	mg/Lit	APHA 23 nd Ed.2012,5540-B & C, 5-47	0.001	0.002	N.D.
38	Poly-nuclear Aromatic	µg/Lít	APHA 23 rd Ed.2012,6440-6-93	0.0001	NoRelaxatio n	N.D.
39	Hydrocarbon (PAH) Mineral Oil	mg/Lit	IS 3025 (part-39) : 1991, RA	0.5	No Relaxation	N.D.
40	Oil & Grease	mg/Lit	2003 IS 3025 (Part 39):1991, RA		-	N.D.
Micro	biological Analysis	.I	2003		<u>ا</u> , .	W W #1.6 * W #1.6 * *
1	Total Coliforms	MPN/ 100 ML	IS:1622:1981: RA:2019		etectable in any sample	Absent
2	Faecal coliform	MPN/ 100ml	IS:1622:1981: RA:2019		etectable in any sample	Absent
3	E. Coli	MPN/ 100ml	IS:1622:1981:RA:2019	Shall not be detectable in any 100ml sample		Absent
Pesti	lcides	A A A A S F A	an in a single property contract of the property of the part of the property of the part o			
1	p,p DDT	µg/L	US EPA 508-1995		1	N.D.
2	o.p DDT	µg/L	US EPA 508-1995		1	N.D.
3	p,pDDE	µg/L	US EPA 508-1995		1	N.D.
4	p,p DDD	µg/L	US EPA 508-1995		1	N.D.
5	O,p DDD	μg/L	US EPA 508-1995		1	N.D.
6	Gamma-HCH (Lindane)	µg/L	US EPA 508-1995		2	N.D.

#\$1.፤ውስ ፣ ስስስቶ ስስቶሮ የደውሱ. የቆስስቶ ለባለም የደውሱ ቆድስስቶ ስስቶስ ስሮሞምምድምኩ (ልኩሎኩ አሞሎዚ)



Report No. 02839

-023		1 Sector	AND	AS PER IS 10500;2	012
SR, NO.	PARAMETER	UNIT	METHOD OF TEST	Acceptable Permi	issible RESULI
7	Alpha-HCH	µg/L	US EPA 508-1995	0.01	N.D.
8	Beta-HCH	µg/L	US EPA 508-1995	0.04	N.D.
9	Delta HCH	µg/L	US EPA 508-1995	0.04	N.D.
10	Alpha-Endosulfan	µg/L	US EPA 508-1995	0.4	N.D.
11	Beta-Endosulfan	µg/L	US EPA 508-1995	0.4	N.D.
12	Endosulfansulphate	µg/L	US EPA 508-1995	0.4	N.D.
13	Monocrotophos	µg/L	US EPA 8141A-1994	1	N.D.
14	Ethion	µg/L	US EPA 8141A-1994	3	N.D,
15	Chloropyrifos	µg/L	US EPA 8141A-1994	30	N.D.
16	Phorate	49/L	US EPA 8141A-1994	2	N.D.
17	Phoratesulphoxide	µg/L	US EPA 8141A-1994	-	N.D.
18	Phoratesulphone	µg/L	US EPA 8141A-1994	**	N.D.
19	2,4-D	µg/L	US EPA 515.1-1995	30	N.D.
20	Alachior	µg/L	US EPA 508- 1995	20	N.D.
21	Atrazine	µg/L	US EPA 532-2000	2	N.D.
22	Methyl parathion	µg/L	US EPA 8141A-1994	0.3	N.D.
23	Methyl paraxone	µg/L	US EPA 8141A-1994	-	N.D.
24	Malathion	μg/L	US EPA 8141A-1994	190	N.D.
25	Malaoxon	µg/L	US EPA 8141A-1994		N.D.
26	Aldrin	µg/L	US EPA 508- 1995	0.03	N.D.
27	Dieldrin	µg/L	US EPA 508-1995	0.03	N.D.

Note: mg/lit.: milligram per liter, N.D.-REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

The report for publication, arbitration or as legal dispute is forbidden. Test sample will be retained for15 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. AA

2

For ULTIMATE ENVIROLYTICAL SOLUTIONS Bell-01/03/22 01 09 2 AUTHORIZED SIGNATORY **REVIEWED BY**

-----End of the test report-



Name & Address Of The	Customer	REPO	IRT NO	UES/TR/2	2-23/02	877	
то,		LAB	REF NO	UES/22-2	3/W/079	97	
	LCO INDUSTRIES LIMITED, DATE OF SAMP			25/08/20	08/2022		
GARE PALMA - IV/5,		DATE	OF RECEIPT	26/08/20	22		
U/G COAL MINE, VILI	DATE	OF REPORT	02/09/20	22			
BLOCK-TAMNAR, DISTT RAIGARH (C	DAT	OF ANALYSIS	END:01/09/2022				
		SAMPL	E DETAILS		ga suga		
SAMPLE TYPE	GROUND WATER		ORDER /REFERE	NCE :	VEREN	L COMMUNICATION.	
CUSTMER SAMPLE ID	SIDARPARA VILLAGE (DUGR	ELL)	SAMPLE CONDIT	ION AT	OK		
PACKING OF SAMPLE	3 L X I NO. PVC CAN I L X I BO. PVC CAN I L X I BO. CLASS BOTTLE	SEALED	SAMPLE COLLEC	ted by	CHIM	st.	
SAMPLING PROCEDURE I5: 3025 (PART I): 1987 BA 2003; APHA 22ND ED. 2012, 1060-E, 1-39			QUANTITY RECE	IVED	5 LTR		

REPORT NO. 02877

	TEST REPORT								
5R.				AS PER IS	Suc.				
NO.	PARAMETER	UNIT	METHOD OF TEST	Acceptable Limit	Permissible limit	RESULT			
1	Colour	Hazen	15:3025:(Part-4)	5	15	<1			
2	Odour		IS 3025(part-5)	Agreeable	Agreeable	Agreeable			
3	Taste	_	IS 3025(part-8)	Agreeable	Agreeable	Agreeable			
4	рН		APHA 22 rd Ed.2012,4500-H+-B, 4-92	6.5-8.5	No Relaxation	7.48			
5	Turbidity	NTU	APHA 22ª Ed.2012,2130-8,2-13	1	5	1.26			
6	Electrical Conductivity	µS/cm	IS 3025(part-14):1984, RA 2013	-998		298.0			
7	Residual Chlorine	mg/Lit	APHA 22nd Ed.2012,4500-CI-G, 4 - 69	0.2	1	N.D.			
8	Total Solid	mg/Lit	APHA 22 rd Ed.2012,2540- B, 2- 64	-	•	185.4			
9	Total Dissolved Solids	mg/Lit	IS 3025(part-16):1984, RA 2006	500	2000	180.6			
10	Total Suspended Solids	mg/Lit	APHA 22 rd Ed.2012,2540- D, 2- 66	-	-	4.8			
11	Alkalinity Total (as CaCO ₃)	mg/Lit	IS 3025(part-23):1986, RA 2003	200	600	54.0			
12	Total Hardness (as CaCO ₁)	mg/Lit	APHA 22 nd Ed.2012,2340-C, 2- 44,45	200	600	86.0			
13	Calcium Hardness (as CaCO3)	mg/Lit	APHA 22 nd Ed.2012,3500-Ca- 8,3-67	-	-	52.0			
14	Magnesium Hardness (as CaCO3)	mg/Lit	APHA 22 nd Ed.2012,3500-Mg- 8,3-84	-		32.0			
15	Calcium (as Ca)	mg/Lit	APHA 22 ⁿ³ Ed.2012,3500-Ca- B,3-67	75	200	20.8			
16	Magnesium (as Mg)	mg/Lit	APHA 22 ^M Ed.2012,3500-Mg-B, 3-84	30	100	7.76			
17	Chloride (as Cl)	mg/Lit	APHA 22 nd Ed.2012,4500-CI-B, 4-72	250	1000	18.9			
18	Sulphate (as SO ₄)	mg/Lit	APHA 22 ⁴⁴ Ed.2012,4500-SO4-E, 4-190	200	400	26.8			
19	Nitrate (as NO ₃)	mg/Lit	APHA 22 nd Ed.2012,4500-NO3- B,4-122	45	NoRelaxati on	3.8			
20	Phosphate (as P)	mg/Lit	APHA 22ndEd.2012,4500-P-C, 4-153		-	N.D.			



2

N.D.

REPORT NO. 02877

Ē

6

			TEST REPORT			
SR. NO.	THE OF A REPORT OF A	UNIT	METHOD OF TEST	the shade was reasoned.	10500:2012	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
12 14	······································		기 가루 모양 전철 전소 문	Acceptable Limit	Permissible	RESULI
21	Sodium (as Na)	mg/Lit	APHA 22nd Ed.2012,3500-Na-B, 3-97			18.4
22	Potassium (as K)	mg/Lit	APAIA And ma had the	-		1.26
23	Boron (as B)	mg/Lit	APHA 22" Ed. 2012,4500-B-B, 4- 25	0.5	1.0	N.D.
24	Iron (as Fe)	mg/Lit		0.3	NoRelaxati	N.D.
25	Fluoride (as F)	mg/Lit	APHA 22** Ed.2012,4500-F-B &D, 4-84 & 87	1	1.5	0.14
26	Manganese (as Mn)	mg/Lit	APHA 22** Ed.2012,3111-B, 3-18	0.1	0.3	0.08
27	Lead (as Pb)	mg/Lit	APHA 22nd Ed.2012,3111-B, 3-18	0.01	NoRelaxati	N.D.
28	Nickel (as Ni)	mg/Lit	APHA 22 de Ed.2012,3500-Ni, 3- 108	0.02	No Relaxation	N.D.
29	Zinc (as Zn)	mg/Lit	APHA 22** Ed.2012,3111-B, 3-18	5	15	N.D.
30	Copper (as Cu)	mg/Lit	APHA 22" Ed.2012,3111-B, 3-18	0.05	1.5	N.D.
31	Cadmium (as Cd)	mg/Lit	APHA 22nd Ed. 2012, 3500-Cd, 3- 105	0.003	NoRelaxati	N.D.
32	Mercury (as Hg)	mg/Lit	APHA 22M Ed.2012,3112-B, 3-23	0.001	NoRelaxati	N.D.
33	Arsenic (as As)	mg/Lit	APHA 22nd Ed.2012,3114-C, 3-38	0.01	0.05	N.D.
34	Selenium (as Se)	mg/Lit	APHA 22" Ed.2012,3114-C, 3-38	0.01	NoRelaxati	N.D.
35	Chromium (as Cr)	mg/Lit	APHA 22 rd Ed.2012,3500-Cr-B, 3-69	0.05	NoBelaxati	N.D.
36	Anionic Detergent (as MBAS)	mg/Lit	APHA 22** Ed.2012,5540-C, 5-53	0.2	1.0	N.D.
37	Phenolic Compound (as C ₆ H ₅ OH)	mg/Lit	APHA 22™ Ed.2012,5540-8 & C, 5-47	0.001	0.002	N.D.
8	Poly-nuclear Aromatic Hydrocarbon (PAH)	µg/Lit	APHA 22 ^{ml} Ed.2012,6440-6-93	0.0001	NoRelazati	N.D.
9	Mineral Oil	mg/Lít	IS 3025 (part-39) : 1991, RA 2003	0.5	on No	N.D.
0	Oil & Grease	mg/Lit	IS 3025 (Part 39):1991, RA 2003		Relaxation	ma,
Icro	biological Analysis	L	2003			N.D.
	Total Coliforms	MPN/ 100 ML	IS:1622:1981: RA:2019	Shall not be d any 100 m	ietectable in I sample	Absent
2	Faecal coliform	MPN/ 100ml	IS:1622:1981: RA:2019	Shall not be d any 100 m	etectable in	Absent
	E. Coli	MPN/ 100ml	1S:1622:1981:RA:2019	Shall not be d	etectable in	Absent
stic	ides			any 100m	sample	
-warnet-	p,p DDT	µg/L	US EPA 508-1995	1		AL D
	o.p DDT	to and the appropriate the local	US EPA 508-1995			N.D.
	P,PDDE		US EPA 508-1995	the second		N.Đ.
	p,p DDD	Harry and Lagrandian	US EPA 508-1995	1		N.D.
_	O,p DDD	1	US EPA 508-1995	1		N.D.
	Gamma-HCH (Lladana)	an interimpted inter			···	N.D.

AN ISO - 9001-2015 FIGO- 44054-2045 FIGO ADDA -

Gamma-HCH (LIndane) µg/L US EPA 508-1995



REPORT NO. 02877

SR.	PARAMETER	PARAMETER UNIT		AS PER IS 10500:2012		e la carrie la
NO,			METHOD OF TEST	Acceptable	Pormissible limit	RESULT
7	Alpha-HCH	µg/L	US EPA 508-1995	0.0	to the telephonen which a set and the	N.D.
8	Beta-HCH	µg/L	US EPA 508-1995	0.0)4	N.D.
9	Delta HCH	µg/L	US EPA 508-1995	0.0)4	N.D.
10	Alpha-Endosulfan	µg/L	US EPA 508-1995	0.	4	N.D.
11	Beta-Endosulfan	µg/L	US EPA 508-1995	0.	4	N.D.
12	Endosulfansulphate	µg/L	US EPA 508-1995	0.	4	N.D.
13	Monocrotophos	µg/L	US EPA 8141A-1994	1	1	
14	Ethion	µg/L	US EPA 8141A-1994	3		N.D.
15	Chloropyrifos	µg/L	US EPA 8141A-1994	30		N.D.
16	Phorate	µg/L	US EPA 8141A-1994	2		N.D.
17	Phoratesulphoxide	µ9/L	US EPA 8141A-1994			N.D.
18	Phoratesulphone	µg/L	US EPA 8141A-1994			N.D.
19	2,4-D	µg/L	US EPA 515.1-1995	30)	N.D.
20	Alachior	µg/L	US EPA 508- 1995	20)	N.D.
21	Atrazine	µg/L	US EPA 532-2000	2		N.D.
22	Methyl parathion	µg/L	US EPA 8141A-1994	0.1	<u> </u>	N.D.
23	Methyl paraxone	µg/L	US EPA 8141A-1994	с таралана <u>да с</u>		N.D.
24	Malathion	µg/L	US EPA 8141A-1994	19	0	N.D.
25	Malaoxon	µg/L	US EPA 8141A-1994	-		N.D.
26	Aldrin	µg/L	US EPA 508- 1995	0.0	3	N.D.
27	Dieldrin	µg/L	US EPA 508-1995	0.0		N.D.

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

۶

-

The report for publication, arbitration or as legal dispute is forbidden. Test sample will be retained fort5 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 E Cell_ 02/03/22 0209 22 REVIEWED BY AUTHORIZED SIGNATORY

-End of the test report--



Name & Address Of The Cus	stomer	REPORT NO	UES/TR/22-23/02840
TO,		LAB REF NO	UES/22-23/W/07914
HINDALCO INDUST	RIES LIMITED,	DATE OF SAMPLING	24/08/2022
GARE PALMA - IV/4	4, COAL MINE, VILLAGE -	DATE OF RECEIPT	25/08/2022
BANKHETA, POST	-MILUPARA,	DATE OF REPORT	01/09/2022
DISTT RAIGARH	(C.G.) 496107.	DATE OF ANALYSIS	START:26/08/2022 END:01/09/2022
SAMPLE TYPE	GROUND WATER	ORDER /REFERENCE:	VERBAL COMMUNICATION.
SAMPLE TYPE	GROUND WATER	ORDER /REFERENCE:	VERBAL COMMUNICATION.
CUSTMER SAMPLE ID	BELJOR VILLAGE (DUGWELL)	SAMPLE CONDITION AT RECEIPT	OK
PACKING OF SAMPLE	3 L X L BO, FVC CAN 1 L X L MO, FVC CAN 1 L X L MO, FVC CAN 1 L X L MO, GLASS BOTTLE	SAMPLE COLLECTED BY	CHEMIST
	IS: 3025 (PART I): 1987 RA 2003: APHA 22ND ED. 2012,	QUANTITY RECEIVED	5 LTR

Report No. 02840

		2.72	TEST REPORT			
	New Street Street Street			AS PER IS		
SR. PARAMETER	UNIT	METHOD OF TEST	Acceptable	The second s		
1	Colour	Hazen	IS:3025:(Part-4)	5	15	<1
2	Odour		IS 3025(part-5)	Agreeable	Agreeable	Agreeable
3	Taste	**	15 3025(part-8)	Agreeable	Agreeable	Agreeable
4	рН		APHA 23 nd Ed.2012,4500-H*-B, 4-92	6.5-8.5	No Relaxation	7.28
5	Turbidity	NTU	APHA 23 nd Ed.2012,2130-8,2-13	1	5	0.68
6	Electrical Conductivity	µS/cm	15 3025(part-14):1984, RA 2013	÷++	-	468.8
7	Residual Chlorine	mg/Lit	APHA 23 nd Ed.2012,4500-CI-G, 4 - 69	0.2	1.	N.D.
8	Total Solid	mg/Lit	APHA 23 nd Ed.2012,2540- B, 2- 64	-		288.3
9	Total Dissolved Solids	mg/Lit	IS 3025(part-16):1984, RA 2006	500	2000	284.1
10	Total Suspended Solids	mg/Lit	APHA 23 nd Ed.2012,2540- D, 2- 66			4.2
11	Alkalinity Total (as CaCO ₃)	mg/Lit	IS 3025(part-23):1986, RA 2003	200	600	160.0
12	Total Hardness (as CaCO ₃)	mg/Lit	APHA 23 nd Ed.2012,2340-C, 2- 44,45	200	600	186.0
13	Calcium Hardness (as CaCO ₃)	mg/Lit	APHA 23 nd Ed.2012,3500-Ca-B, 3-67	-	*	120.0
14	Magnesium Hardness (as CaCO ₃)	mg/Lit	APHA 23 nd Ed.2012,3500-Mg-B, 3-84	-	-	66.0
15	Calcium (as Ca)	mg/Lit	APHA 23 nd Ed.2012,3500-Ca-B, 3-67	75	200	48.0
16	Magnesium (as Mg)	mg/Lit	APHA 23 nd Ed.2012,3500-Mg-B, 3-84	30	100	16.0
17	Chloride (as Cl)	mg/Lit	APHA 23 nd Ed.2012,4500-CI-B, 4-72	250	1000	29.9
18	Sulphate (as SO4)	mg/Lit	APHA 23 nd Ed.2012,4500-SO4-E, 4-190	200	400	22.4
19	Nitrate (as NO3)	mg/Lit	APHA 23 nd Ed.2012,4500-NO ₃ -B, 4-122	45	No Relaxation	1.18
20	Phosphate (as P)	mg/Lit	APHA 23nd Ed.2012,4500-P-C, 4-153	-	-	N.D.



And the second

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

E S L		1.1.1.1	TEST REPORT			
SR.				AS PER IS	- A Short Sh	
NO.	PARAMETER	UNIT	METHOD OF TEST	Accoptable	Pernitsible.	RESULT
21	Sodium (as Na)	mg/Lit	APHA 23nd Ed.2012,3500-Na-B, 3-97	-		6.8
22	Potassium (as K)	mg/Lit	APHA 23 rd Ed.2012,3500-K-B, 3-87	-		1.64
23	Boron (as B)	mg/Lit	APHA 23 nd Ed.2012,4500-B-B, 4-25	0.5	1.0	N.D.
24	Iron (as Fe)	mg/Lit	APHA 23 nd Ed.2012,3111-B,3-18	0.3	No Relaxation	N.D.
25	Fluoride (as F)	mg/Lit	APHA 23 nd Ed.2012,4500-F-B &D, 4-84 & 87	1	1.5	0.16
26	Manganese (as Mn)	mg/Lit	APHA 23 nd Ed.2012,3111-B, 3- 18	0.1	0.3	0.04
27	Lead (as Pb)	mg/Lit	APHA 23 nd Ed.2012,3111-B, 3-	0.01	No Relaxation	N.D.
28	Nickel (as Ni)	mg/Lit	APHA 23 nd Ed.2012,3500-Ni, 3-	0.02	No Relaxation	N.D.
29	Zinc (as Zn)	mg/Lit	APHA 23 nd Ed.2012,3111-B, 3- 18	5	15	N.D.
30	Copper (as Cu)	mg/Lit	APHA 23 nd Ed.2012,3111-B, 3- 18	0.05	1.5	N.D.
31	Cadmium (as Cd)	mg/Llt	APHA 23 nd Ed.2012,3500-Cd, 3- 105	0.003	No Relaxation	N.D.
32	Mercury (as Hg)	mg/Lit	APHA 23 nd Ed.2012,3112-8, 3-	0.001	No Relaxation	N.D.
33	Arsenic (as As)	mg/Lit	APHA 23 rd Ed.2012,3114-C, 3- 38	0.01	0.05	N.D.
34	Selenium (as Se)	mg/Lit	APHA 23 ^M Ed.2012,3114-C, 3- 38	0.01	No Relaxation	N.D.
35	Chromlum (as Cr)	mg/Lit	APHA 23 nd Ed.2012,3500-Cr-B, 3-69	0.05	No	N.D.
36	Anionic Detergent (as MBAS)	mg/Lit	APHA 23 nd Ed.2012,5540-C, 5-	0.2	1.0	N.D.
37	Phenolic Compound (as C ₆ H ₅ OH)	mg/Lit	APHA 23 nd Ed.2012,5540-B & C, 5-47	0.001	0.002	N.D.
38	Poly-nuclear Aromatic Hydrocarbon (PAH)	µg/Lit	APHA 23 nd Ed.2012,6440-6-93	0.0001	No Relaxation	N.D.
39	Mineral Oil	mg/Lit	IS 3025 (part-39) : 1991, RA 2003	0.5	No Relaxation	N.D.
40	Oil & Grease	mg/Lit	IS 3025 (Part 39):1991, RA 2003	-	-	N.D.
Micro	biological Analysis	////] 2003		1 Friemannan ann an Anna - Friemann an Anna	
1	Total Coliforms	MPN/ 100 ML	IS:1622:1981: RA:2019		detectable in nl sample	Absent
2	Faecal Coliform	MPN/ 100ml	IS:1622:1981: RA:2019	Shall not be	detectable in ni sample	Absent
3	E. Coll	MPN/	IS:1622:1981:RA:2019	Shall not be	detectable in	Absent
Pesti	cides	100ml	<u> </u>	any 100 r	ni sample	<u> </u>
1	p,p DDT	µg/L	US EPA 508-1995			N.D.
2	o.p DDT	µg/L	US EPA 508-1995			N.D.
3	p,pDDE	μ <u>σ/</u> ι.	US EPA 508-1995			N.D.
4	p _r p DDD	µg/L	US EPA 508-1995		L	N.D.
5	O,p DDD	μg/L	US EPA 508-1995			N.D.

SNI IRA - 0884-9946 1100- 44004-9046 2100 AE004-9040 OFERTIER LADORATORY



			TEST REPORT					
SR.	AS PER 15 1.0500:2012							
NO.	PARAMETER	UNIT	METHOD OF TEST	Acceptable	Permissible	RESUL		
6	Gamma-HCH (Lindane)	µg/L	US EPA 508-1995	eran Barin barik ini eta anta an Atau.	2	N.D.		
7	Alpha-HCH	µg/L	US EPA 508-1995	0.	01	N.D.		
8	Beta-HCH	µg/L	US EPA 508-1995	0.	04	N.D.		
9	Delta HCH	µg/L	US EPA 508-1995	0.	04	N.D.		
10	Alpha-Endosulfan	µg/L	US EPA 508-1995	0	.4	N.D.		
11	Beta-Endosulfan	µg/L	US EPA 508-1995	0	.4	N.D.		
12	Endosulfansulphate	µg/L	US EPA 508-1995	0	.4	N.D.		
13	Monocrotophos	µg/L	US EPA 8141A-1994	US EPA 8141A-1994 1		N.D.		
14	Ethion	µg/L	US EPA 8141A-1994	3		N,D.		
15	Chloropyrifes	µg/L	US EPA 8141A-1994 30		N.D.			
16	Phorate	Hg/L	US EPA 8141A-1994		2	N.D.		
17	Phoratesulphoxide	µg/L	US EPA 8141A-1994		-	N.D.		
18	Phoratesulphone	µg/L	US EPA 8141A-1994		-	N.D.		
19	2,4-D	µg/L	US EPA 515.1-1995	3	0	N.D.		
20	Alachior	µg/L	US EPA 508- 1995	2	0	N.D.		
21	Atrazine	µg/L	US EPA 532-2000		2	N.D.		
22	Methyl parathion	µg/L	US EPA 8141A-1994	0.	.3	N.D.		
23	Methyl paraxone	µg/L	US EPA 8141A-1994		-	N.D.		
24	Malathion	µg/L	US EPA 8141A-1994 190		N.D.			
25	Malaoxon	µg/L	US EPA 8141A-1994 -		N.D.			
26	Aldrin	µg/L	US EPA 508- 1995	0.	03	N.D.		
27	Dieldrin	µg/L	US EPA 508-1995	0.	03	N.D. 1		

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

۶

The report for publication, arbitration or as legal dispute is forbidden. Test sample will be retained for15 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 Ber. 01/03/22 22 59 AUTHORIZED SIGNATORY REVIEWED BY

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

Annexure-3



Letter No. : HIL/EC/GP-IV/5 -Q1/2022-23/ 2 1

04TH July, 2022

The Integrated Regional Office, Ministry of Environment Forests & Climate Change (MoEF & CC) Aranya Bhawan, North Block, Sector – 19, Naya Raipur, Atal Nagar, Chhattisgarh, 492002

Sub.: Compliance of condition no. viii of Environment Clearance Letter no. – J-11015/ 8/1998-IA. II (M) Dated: - 31st August 2000 for Under Ground Mining 1.0 Million Ton/Annum Production Capacity.

Ref.: Environment Clearance Letter no. - letter no. J-11015/ 8/1998-IA. II (M) Dated: - 31st August 2000.

Dear Sir,

With reference to above subject, we are submitting herewith the quarterly monitoring report of Ground Water Level (from Apr'2022 to Jun'2022) & GW Quality for the month of May 2022 – Pre-Monsoon Season of Gare Palma IV/5 Coal Mines, Hindalco Industries Limited, Village – Milupara, Tehsil – Tamnar, District – Raigarh, Chhattisgarh.

Thanking you,

Yours faithfully,

Govind Kumar (Mine Agent – Gare Palma Mines) Hindalco Industries Limited

Encl: As above



- CC: 1) Member Secretary, Chhattisgarh Environment Conservation Board, Paryavas, Bhawan, Raipur, Chhattisgarh.
 - 2) Regional Officer, Chhattisgarh Environment Conservation Board, TV tower Road, Raigarh (CG).
 - 3) The Regional Director, Regional Directorate (Central), Bhopal Central Pollution Control Board (MoEF & CC, GOI), "Parivesh Bhawan" Paryavaran Parishar, E 5, Arera Colony, Bhopal (MP), 462016
 - 4) The Regional Director, Central Ground Water Board, North Central Chhattisgarh Region, 2nd Floor, LK Corporate and Logistic Park, Dumartarai, Raipur-492015
 - 5) Member Secretary, Central Ground Water Authority, 18/11, Jamnagar House, Mansingh Road, New Delhi – 110011

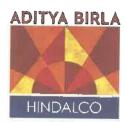
Hindalco industries Limited

Gare Palma Mines (1V/4 & IV/5), Vill & Po: Milupara , Tehsil; Tamnar Dist: Raigarh 496107 , Chhattisgarh T: +91 7762 228212, Website : www.hindalco.com E mail : hindalco@adityabirta.com Registered Office : Ahura Centre, 1st Floor, B Wing, Mahakali Caves Road Andheri (East) , Mumbai 400093, India T: + 912266917000 | Fax: + 912266917001 Corporate ID No: L27020MH1958PLC011238

Sr. No.	Location	Types of Structure	In Meters			
		Structure	Ground Water level (BGL) Apr 2022	Ground Water level (BGL) May 2022	Ground Water level (BGL) Jun 2022	
1	Bankheta (Near HIL Office)	Borewell/ AWLR	12.64	12.99	13.33	
2	Banjikhol (Near Office)	Borewell/ AWLR	25.17	25.30	25.36	
3	Milupara (Near Office)	Borewell/ AWLR	12.81	13.28	13.63	
4	HIL Staff Quarter	Borewell/ AWLR	8.26	8.80	9.04	
5	Milupara Village (PHC-HIL)	Dugwell	7.26	6.14	6.00	
6	Sakta Village (Near Primary School)	Dugwell	5.28	. 3.59	3.50	
7	Sidarpara Village (Near Primary School)	Dugwell	12.80	9.58	9.37	
8	Beljor Village	Dugwell	8.76	7.18	7.34	

Ground Water Level Monitoring Report in and around the Coal Mine Area (From Apr 2022 to Jun 2022)

. .



Letter No. : HIL/EC/GP-IV/5 -Q2/2022-23/ 379

05[™] October, 2022

The Integrated Regional Office, Ministry of Environment Forests & Climate Change (MoEF & CC) Aranya Bhawan, North Block, Sector – 19, Naya Raipur, Atal Nagar, Chhattisgarh, 492002

Sub.: Compliance of condition no. viii of Environment Clearance Letter no. – J-11015/ 8/1998-IA. II (M) Dated: - 31st August 2000 for Under Ground Mining 1.0 Million Ton/Annum Production Capacity.

Ref.: Environment Clearance Letter no. - letter no. J-11015/ 8/1998-IA. II (M) Dated: - 31st August 2000.

Dear Sir,

With reference to above subject, we are submitting herewith the quarterly monitoring report of Ground Water Level (from Jul'2022 to Sep'2022) & GW Quality for the month of August 2022 – Monsoon Season of Gare Palma IV/5 Coal Mines, Hindalco Industries Limited, Village – Milupara, Tehsil – Tamnar, District – Raigarh, Chhattisgarh.

Thanking you,

Yours faithfully,

Govind Kumar (Mine Agent – Gare Palma Mines) Hindalco Industries Limited

Encl: As above

- CC: 1) Member Secretary, Chhattisgarh Environment Conservation Board, Paryavas, Bhawan, Raipur, Chhattisgarh.
 - 2) Regional Officer, Chhattisgarh Environment Conservation Board, TV tower Road, Raigarh (CG).
 - 3) The Regional Director, Regional Directorate (Central), Bhopal Central Pollution Control Board (MoEF & CC, GOI), "Parivesh Bhawan" Paryavaran Parishar, E 5, Arera Colony, Bhopal (MP), 462016
 - 4) The Regional Director, Central Ground Water Board, North Central Chhattisgarh Region, 2nd Floor, LK Corporate and Logistic Park, Dumartarai, Raipur-492015
 - 5) Member Secretary, Central Ground Water Authority, 18/11, Jamnagar House, Mansingh Road, New Delhi – 110011

Hindalco Industries Limited

Gare Palma Mines (1V/4 & IV/5), Vill & Po: Milupara , Tehsil: Tamnar Dist: Raigarh- 496107 , Chhattisgarh T: +91 7762 228212, Website : www.hindalco.com E mail : hindalco@adityabirla.com Registered Office : Ahura Centre, 1st Floor, B Wing, Mahakali Caves Road Andheri (East) , Mumbai 400093, India T: + 912266917000 | Fax: + 912266917001 Corporate ID No: L27020MH1958PLC011238



Sr. No.	Location	Types of Structure	In Meters			
			Ground Water level (BGL) Jul 2022	Ground Water level (BGL) Aug 2022	Ground Water level (BGL) Sep 2022	
1	Bankheta (Near HIL Office)	Borewell/ AWLR	11.51	7.11	6.62	
2	Banjikhol (Near Office)	Borewell/ AWLR	25.55	25.55	25.59	
3	Milupara (Near Office)	Borewell/ AWLR	11.55	9.05	8.34	
4	HIL Staff Quarter	Borewell/ AWLR	7.45	4.67	4.18	
5	Milupara Village (PHC-HIL)	Dugwell	3.31	1.32	0.27	
6	Sakta Village (Near Primary School)	Dugwell	4.44	1.43	1.40	
7	Sidarpara Village (Near Primary School)	Dugwell	5.44	3.62	3.28	
8	Beljor Village	Dugwell	6.30	3.17	3.06	

Ground Water Level Monitoring Report in and around the Coal Mine Area (From Jul 2022 to Sep 2022)

Annexure-4

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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

Norme & Address Of The Customer TO.		REPORT NO	UES/TR/22-23/036	/TR/22-23/0366	
SIRA.		LAB REF NO	UE8/22-23/AAQM/04	46-0453	
	TRIES LIMITED, GARE	DATE OF SAMPLING	04/04/2022 to 29	/04/2022	
PALMA - IV/5, MIL		DATE OF RECEIPT	05/04/2022 to 30/04/2022		
MINE, VILLAGE - N BLOCK-TAMNAR,	ILUPARA,	DATE OF REPORT	02/05/2022		
DISTT RAIGARH (C.G.) 496107		DATE OF ANALYSIS	START:05/04/2022 END:02/0		
		SAMPLE DETAILS		THE REAL PROPERTY.	
MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE	M/PO/SRV/2122/0049, DTD. 24-JULY-2021		
SAMPLING LOCATION	MAIN OFFICE AREA, MILUPAI	RA			
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST		
SAMPLING PROCEDURE	AS PER METHOD REFERENCE				
SAMPLE QUANTITY/PACKING	VILTER PAPER (FMI0): 1XI NO., FILTER PAPER (FM2.5): 1XI NO. 502: 30MLXI NO. PVC BOTTLE, NO2: 30MLXI NO. PVC BOTTLE RUBBER BLADDER: 1XI NO.				

Test Method and NAAQM Standard for Ambient Air Quality Monitoring					
Parameter	Method Reference	NAAQM			
Particulate Matter size less than 10 microns (PM10)	IS 5182 (Part 23): 2006 & CPCB Guidelines VolI	100			
Particulate Matter size less than 2.5 microns (PM2.5)	IS 5182 (Part 24): 2019 CPCB Guidelines VolI	60			
Sulphur Dioxide (SO _l)	IS 5182 (Part 2): 2001, BA 2006 6 CPCB Guidelines VolI	BO			
Nitrogen Dioxide (NO ₂)	18 5182 (Part 6): 2006 & CPCB Guidelines VolI	80			
Carbon Monoxide (CO)*	IS 5182(Part 10):1999, RA 2003	4.0			
Mercury (Hg)	EPA Method IO-5				

TEST REPORT						
Date of Sampling	ΡΜ ₁₀ μg/m ³	РМ _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m
04.04.2022	76	34	10	29	0.7	N.D.
08.04.2022	68	28	14	24	0.6	N.D.
11.04.2022	82	42	09	28	0.2	N.D.
15.04.2022	64	38	12	20	0.8	N.D.
18.04.2022	78	32	10	24	0.5	N.D.
22.04.2022	62	34	16	20	0.2	N.D.
25.04.2022	78	42	08	28	0.4	N.D.
29.04.2022	84	38	12	22	0.7	N.D.

Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected

Terms & conditions The result for addresses, industrial or an engle diquele in formation. The result for addresses, industrial or a second of the result areas Take to not addresses at the party for entitied for almost finded rate.

1 Standard	For ULTIMATE ENVIROLYTICAL SOLUTIONS
	Jul Jul
	0210522
Sala a Dal	AUTHORIZED SIGNATORY

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

AN ISO : 9001:2015 / ISO: 14001:2015 / ISO 45001:2018 CERTIFIED LABORATORY

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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

Name & Address Of The Custo	trate*	REPORT NO	REPORT NO UES/TR/22-23/01105 LAB REF NO UES/22-23/AAQM/01082-01089		
то,		LAB REF NO			
DEFENDENT TO DEFEND TO THE TARK	TRIES LIMITED, GARE	DATE OF SAMPLING	02/05/2022 to 27/	05/2022	
PALMA - IV/5, MIL		DATE OF RECEIPT	03/05/2022 to 28/05/2022		
MINE, VILLAGE - N	ILUPARA,	DATE OF REPORT	01/06/2022		
BLOCK-TAMNAR, DISTT RAIGARH (C.G.) 496107		DATE OF ANALYSIS	START: 04/05/2022 END: 31/05/		
	The second second second	SAMPLE DETAILS			
MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. 5 DATE	M/PO/SRV/2122/0049, DTD. 24-JULY-2021		
SAMPLING LOCATION	MAIN OFFICE AREA, MILUPAN	RA			
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST		
SAMPLING PROCEDURE	AS PER METHOD REFERENCE				
SAMPLE QUANTITY/PACKING	FILTER PAPER (PMI0): 1X1 NO., FILTER PAPER (PM2.5): 1X1 NO. 502: 30HLX1 NO. FVC BOTTLE, NO2: 30HLX1 NO. FVC BOTTLE RUBBER BLADDER: 1X1 NO.				

Test Method and NAAQM Standard for Ambient Air Quality Monitoring					
Parameter	Method Reference	NAAQM Standard			
Particulate Matter size less than 10 microns (PM ₁₀)	IS 5182 (Part 23): 2006 & CPCB Guidelines VolI	100			
Particulate Matter size less than 2.5 microns (PM _{2.5})	IS 5182 (Part 24): 2019 CPCB Guidelines VolI	60			
Sulphur Dioxide (SO ₂)	IS 5182 (Part 2): 2001, RA 2006 a CPCB Guidelines VolI	80			
Nitrogen Dioxide (NO ₂)	IS 5182 (Part 6): 2006 & CPCB Guidelines VolI	80			
Carbon Monoxide (CO)*	IS 5182(Part 10):1999, RA 2003	4.0			
Mercury (Hg) -	EPA Method IO-5				

TEST REPORT							
Date of Sampling	PM ₁₀ μg/m ³	PM _{2.5} μg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³	
02.05.2022	80	30	14	34	0.8	N.D.	
06.05.2022	78	38	12	30	0.6	N.D.	
09.05.2022	68	42	09	24	0.2	N.D.	
13.05.2022	62	38	12	28	0.8	N.D.	
16.05.2022	76	30	08	22	0.6	N.D.	
20.05.2022	70	36	06	26	0.2	N.D.	
23.05.2022	78	42	12	38	0.8	N.D.	
27.05.2022	82	-44	18	32	0.4	N.D.	

Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected

Terms & conditions

a Taul sample will be relative for 11 days after more of and report aritims otherwest agreed with equiver

For ULTIMATE ENVIROLYTICAL SOLUTIONS n H. 12 6 010622 0110 AUTHORIZED SIGNATORY REVIEWED BY

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

AN ISO : 9001:2015 / ISO: 14001:2015 / ISO 45001:2018 CERTIFIED LABORATORY



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

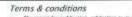
Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

Name & Address Of The Custo	MADY .	REPORT NO	UES/TR/22-23/0108	37
TO, HINDALCO INDUSTRIES LIMITED, GARE PALMA – IV/5, MILUPARA U/G COAL MINE, VILLAGE – MILUPARA, BLOCK-TAMNAR, DISTT RAIGARH (C.G.) 496107		LAB REF NO	LAB REF NO UES/22-23/AAQM/02382-02389 DATE OF SAMPLING 03/06/2022 to 27/06/2022 DATE OF RECEIPT 04/06/2022 to 28/06/2022 DATE OF REPORT 01/07/2022 DATE OF ANALYSIS START:05/06/2022	
		E DATE OF SAMPLING 03/06/2022 to 27/06/2022		
		DATE OF RECEIPT		
		DATE OF REPORT		
		DATE OF ANALYSIS		
	THE PERSON NEWSFILM	SAMPLE DETAILS		Concernance and
HONITORING FOR	ANDIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. 4 DATE	M/PO/SRV/2122/0049, DTD, 24-JULY-2021	
SAMPLING LOCATION	MAIN OFFICE AREA, MILUPAN	RA		
DURATION OF SAMPLING 24 HOURS		SAMPLE COLLECTED BY	LABORATORY CREMIST	
SAMPLING PROCEDURE	AS PER METHOD REPERENCE			
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM10): 1X1 NO., FILTER PAPER (PM2.5): 1X1 NO. 802: 30MLX1 NO. PVC BOTTLE, NO2: 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO.			

Parameter	Method Reference	NAAQM Standard
Particulate Matter size less than 10 microns (PM ₁₀)	IS 5182 (Part 23): 2006 & CPCB Guidelines VolI	100
Particulate Matter size less than 2.5 microns (PM2.5)	IS 5182 (Part 24): 2019 CPCB Guidelines VolI	60
Sulphur Dioxide (SO ₂)	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol1	80
Nitrogen Dioxide (NO ₂)	15 5182 (Part 6): 2006 & CPCB Guidelines VolI	80
Carbon Monoxide (CO)*	IS 5182(Part 10):1999, RA 2003	4.0
Mercury (Hg)	EPA Method IO-5	

TEST REPORT						
Date of Sampling	ΡΜ ₁₀ μg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³
03.06.2022	80	34	10	34	0.6	N.D.
06.06,2022	86	36	16	30	0.2	N.D.
10.06.2022	72	40	10	28	0.8	N.D.
13.06.2022	76	34	12	20	0.4	N.D.
17.06.2022	68	38	08	2.4	0.6	N.D.
20.06.2022	72	32	06	26	0.9	N.D.
24.06.2022	78	48	12	32	0.2	N.D.
27.06.2022	86	42	18	28	0.8	N.D.

Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected



The report for publication, arbitration or as regal disport is Authorities
 Test sample will be retained for 11 also also dise of test report with

and shaked as



⁻⁻⁻⁻⁻End of the test report.....



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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

Name & Address Of The Curta	unius.	REPORT NO	UES/TR/22-23/018	15
TO, HINDALCO INDUSTRIES LIMITED, GARE PALMA – IV/5, MILUPARA U/G COAL MINE, VILLAGE – MILUPARA, BLOCK-TAMNAR, DISTT RAIGARH (C.G.) 496107		LAB REF NO	ATE OF SAMPLING 04/07/2022 to 28/07/2022 ATE OF RECEIPT 05/07/2022 to 29/07/2022	
		DATE OF SAMPLING		
		DATE OF PACEIPT		
		DATE OF REPORT		
		DATE OF ANALYSIS	START:06/07/2022	END:01/08/2022
		SAMPLE DETAILS	W/ Martin Part	Concertainty of the
MUNITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. 5 DATE	M/PO/SRV/2122/0049, DTD. 24-JULY-2021	
SAMPLING LOCATION	MAIN OFFICE AREA, MILUPAN	RA		
DUNATION OF SAMPLING 24 HOURS		SAMPLE COLLECTED BY	LABORATORY CHEMIST	
SAMPLING PROCEDURE	AS PER METHOD REFERENCE			
SAMPLE QOAPTITY/PACKING	FILTER PAPER (PMID): IXI NO., FILTER PAPER (PM2,5): IXI NO. 502: 30HLAI NO. PVC BOTTLE, NO2: JONLAI NO. PVC BOTTLE RUMBER ELALORS: IXI NO.			

Test Method and NAAQM Standard for Ambient Air Quality Monitoring				
Parameter	Method Reference	NAAQM Standard		
Particulate Matter size less than 10 microns (PML0)	IS 5182 (Part 23): 2006 & CPCB Guidelines VolI	100		
Particulate Matter mize less than 2.5 microns (PM _{2.8})	IS 5182 (Part 24): 2019 CPCB Guidelines VolI	60		
Sülphur Dioxide (SO ₂)	IS 5182 (Part 2): 2001, PA 2006 & CPCB Guidelines VolI	80		
Nitrogen Dioxide (NO ₅)	IS 5182 (Part 6): 2006 & CPCB Guidelines VolT	80		
Carbon Monoxide (CO)*	IS 5182(Part 10):1999, RA 2003	. 4.0		
Mercury (Hg)	EPA Method IO-5			

TEST REPORT						
Date of Sampling	ΡM ₁₀ μg/m ³	ΡM _{2.5} μg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³
04.07.2022	72	38	12	32	0.2	N.D.
07.07.2022	76	32	14	28	0.6	N.D.
11.07.2022	68	34	10	34	D.4	N.D.
15.07.2022	62	30	12	2.6	0.8	N.D.
19.07.2022	74	28	0.9	25	0.2	N.D.
21.07.2022	58	30	08	22	0.8	N.D.
25.07.2022	62	36	10	30	0.6	N.D.
28.07.2022	75	30	11	26	0.7	N.D.

Terms & conditions

De report for publications. Addresses or as regal dispute a furthadder.
 Text sample with the original fact (1 date, often source of one of opport andres of possible and the original date of the source of the opport and opport and a date of the source of the opport.
 Det is the undermainting as the source (1 date of the dates post) and opport

	15/2 000 000	For ULTIMATE ENVIROLYTICAL SOLUTIONS
AC-U-	(言(譬 ()、合人)(言)(言)	It.
01/08/22		Centraliz
REVIEWED BY	0000	AUTHORIZED SIGNATORY

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



Name & Address Of the Costa	mit.	REPORT NO	UES/TR/22-23/0284	9	
TO, HINDALCO INDUSTRIES LIMITED, GARE PALMA – IV/5, MILUPARA U/G COAL MINE,VILLAGE – MILUPARA, BLOCK-TAMNAR, DISTT RAIGARH (C.G.) 496107		LAB REF NO	UES/22-23/AAQM/07933-07940 01/08/2022 tto 29/08/2022 02/08/2022 tto 30/08/2022		
		DATE OF SAMPLING			
		DATE OF RECEIPT			
		DATE OF REPORT	02/09/2022		
		DATE OF ANALYSIS	START: 03/08/2022 END:02/0		
	deservices along a	SAMPLE DETAILS	ALL STREET OF LAND		
MONITORING FOR	AMBLENT AIR QUALITY CUSTOMER REF. I HORITORING DATE		⁶ VERBAL CONMENTCATION.		
SAMPLING LOCATION	MAIN OFFICE AREA, MILUPAL	RA.	11.		
DURATION OF SAMPLING 24 HOURS		SAMPLE COLLECTED BY	LABORATORY CHEMIST		
SAMPLING PROCEDURE	AS PER METHOD REFERENCE				
SAMPLE QUARTITY/PACKING	FILTER PAPER (PMIO): 1X1 NO., FILTER PAPER (PM2.5): 1X1 NO. 802: 3GHLX1 NO. FVC BOTTLE, NO2: 3GHLX1 NO. FVC BOTTLE RUBBER BLADDER: 1X1 NO.				

Test Method and NAAQM Standard for Ambient Air Quality Monitoring				
Parameter	Method Reference	NAAQM Standard		
Particulate Matter size less than 10 microns (PM ₁₀)	IS 5182 (Part 23); 2006 & CPCB Guidelines Vol1	100		
Particulate Natter size less than 2.5 microns (PM _{2.5})	IS 5182 (Part 24): 2019 CPCBGuidelines VolI	60		
Sulphur Dioxide (SO2)	IS 5162 (Part 2): 2001, EA 2006 4 CPCB Guidelines Vol1	BO		
Nitrogen Dioxide (NO ₂)	IS 5162 (Part 6): 2006 a CPCB Guidelines VolI	80		
Carbon Monogide (CO)*	IS 5182(Part 10):1999, RA 2003	4.0		
Mercury (Hg)	EPA Method IO-5			

TEST REPORT							
Date of Sampling	ΡM ₁₀ μg/m ³	PM _{2.5} μg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³	
01.08.2022	50	20	10	20	0.5	N.D.	
04.08.2022	68	28	16	24	0.8	N.D.	
08.08.2022	58	32	08	26	0.4	N.D.	
16.08.2022	52	28	10	22	0.6	N.D.	
18.08.2022	66	20	0.9	26	0.2	N.D.	
22.08.2022	60	26	05	28	0.8	N.D.	
25.08.2022	68	32	10	32	0.4	N.D.	
29.08.2022	52	34	16	30	0.6	N.D.	

Terms & Conditions Terms & Conditions The reset for patients and when there does not be for the set of the restorements of the set report for the set of the restorements as the party fair added for above terms of the set of information as the party fair added for above terms of

REVIEWED BY	AUTHORIZED SIGNATORY
02/03/22	02/02/22
and the second s	For ULTIMATE ENVIROLYTICAL SOLUTIONS

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

AN ICO - DOOL OOLS THOOL OOLS THOOL TOOL OOLS OF DETIRED THEOD INCOME



CONTRACTOR AND A CONTRA

None # Address in the Castle		REPORT NO	UES/TR/22-23/03293	
HINDALCO INDUSTRIES LIMITED, GARE PALMA – IV/5, MILUPARA U/G COAL MINE, VILLAGE – MILUPARA, BLOCK-TAMNAR, DISTT RAIGARH (C.G.) 496107		LAB JUEF NO	UES/22-23/AAQM/08	3540~08547
		DATE OF SAMPLING	02/09/2022 to 26/	09/2022
		DATE OF RECEIPT	03/09/2022 to 27/	09/2022
		DATE OF REPORT	01/10/2022	
		DATE OF ANALYSIS	START: 04/09/2022	MMD:01/10/2022
		SAMPLE DETAILS		
HONITORING FOR	AMBIENT AIR QUALITY CUSTOMER REF. NO. 4 MONITORING DATE		P.0.13552310212, DATED: 07.09.2022	
SAMPLING LOCATION	MAIN OFFICE AREA, MILUPAN	RA		
DURATION OF SAMPLING 24 HOURS		SAMPLE COLLECTED BY	LABORATORY CHAMIST	
SAMPLING PROCEDURE	AS PER METHOD REPERSION			
SAMPLE QUANTITY/PACKING	FILTER PARER (PHID): 1.21 SO2: JOHLXI NO. PVC BOITI RUBBER BLADDER: 1.X1 NO.			

Parameter	Method Reference	NAAQM Standard	
Particulate Matter size less than 10 microns (PM ₁₀)	IS 5182 (Part 23); 2006 & CPCB Guidelines VolT	100	
Particulate Matter size less than 2.5 microns (PM _{r.3})	IS 5182 (Part 24): 2019 CPCB Guidelines VolI	60	
Bulphur Dioxide (SC ₂)	IS 5102 (Part 2); 2001, BA 2006 & CPCB Guidelines Vol1	80	
Nitrogen Dioxide (NO2)	15 5182 (Fart 6): 2006 & CPCB Guidelines Vol1	80	
Carbon Honoxide (CO)*	18 5102(Part 10):1999, RA 2003	4.0	
Mercury (Hg)	EFA Method IO-5	++	

TEST REPORT							
Date of Sampling	PM ₁₀ µg/m ³	ΡM _{2.5} μg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m	
02,09,2022	42	28	0.8	26	0.6	N.O.	
05.09.2022	46	22	12	22	0.2	N.D.	
09.09.2022	52	36	0.6	28	8.0	N.D.	
12.09.2022	4.4	24	14	24	0.4	N.D.	
16.09.2022	48	28	12	22	0.6	N.D.	
19.09.2022	52	22	0.8	20	0.2	N.D.	
23.09.2022	4.6	28	1.0	26	0.8	N.D.	
26.09.2022	58	26	10	24	0.5	N.D.	

Ferms & conditions - The separative publications anternation of Treat searcher will be instanted for 15 days - This is the information of the party for

Felle 01/10/2022 REVIEWED BY

For ULTIMATE ENVIROLYTICAL SOLUTIONS lot AUTHORIZED SIGNATORY

End of the test report.....

A



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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

Hame & Address Of The Coster	Martin"	REPORT NO	UES/TR/22-23/0367 UES/22-23/AAQM/0454-0461		
то,		LAB REF NO			
HINDALCO INDUSTRIES LIMITED, GARE PALMA – IV/5, MILUPARA U/G COAL MINE,VILLAGE – MILUPARA, BLOCK-TAMNAR, DISTT RAIGARH (C.G.) 496107		DATE OF SAMPLING	04/04/2022 to 29	/04/2022	
		DATE OF RECEIPT	05/04/2022 to 30	/04/2022	
		DATE OF REPORT	02/05/2022		
		DATE OF ANALYSIS START: 05/04/20		END: 02/05/202	
		SAMPLE DETAILS			
MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. 4 DATE	M/PO/SRV/2122/0 DTD. 24-JULY-20		
SAMPLING LOCATION	STAFF QUARTER, MILUPARA				
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	Y LABORATORY CHEMIST		
SAMPLING PROCEDURE	AS PER METHOD REFERENCE				
SAMPLE QUANTITY/PACKING		FILTER FAPER (PM_10): IXI NO., FILTER PAPER (PM_2.): IXI NO. SO2: JOHLXI NO. PVC BOTTLE, NO2: JOHLXI NO. PVC BOTTLE BITBERE FLATORE. IXI NO.			

Test Method and NAAQM Standard for Ambient Air Quality Monitoring					
Parameter	Method Reference	NAAQM			
Particulate Matter size less than 10 microns (PM ₁₀)	IS 5182 (Part 23); 2006 6 CPCB Guidelines VolI	100			
Particulate Matter size less than 2.5 microns (PM _{0.5})	IS 5182 (Part 24): 2019 CPCB Guidelines Vol1	60			
Sulphur Dioxide (SO ₂)	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines VolI	BO			
Nitrogen Dioxide (NO2)	IS 5182 (Part 6): 2006 & CPCB Guidelines VolI	80			
Carbon Monoxide (CO)*	IS 5182(Part 10):1999, RA 2003	4.0			
Mercury (Hg)	EPA Method IO-5	4.0			

TEST REPORT						
Date of Sampling	ΡΜ ₁₀ μg/m ³	ΡM _{2.5} μg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ¹
04.04.2022	72	38	14	22	0.5	N.D.
08.04.2022	88	32	10	29	0.2	N.D.
11.04.2022	72	24	08	22	0.8	N.D.
15.04.2022	6.6	28	14	24	0.6	N.D.
18.04.2022	88	30	10	28	0.2	N.D.
22.04.2022	80	32	16	22	0.8	N.D.
25.04.2022	78	34	14	26	0.5	N.D.
29.04.2022	82	46	12	28	0.9	N.D.

Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected

Can 1 a	/S/amaska	For ULTIMATE ENVIROLYTICAL SOLUTIONS
11522	EE OTNEE	H.
- 021031		105/22
REVIEWED BY	Cold to Sol	AUTHORIZED SIGNATORY

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



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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

Name & Address IN The Custon	ana,	REPORT NO	UES/TR/22-23/01106			
то,		LAB REF NO	UES/22-23/AAQM/0	1090-01097		
	HINDALCO INDUSTRIES LIMITED, GARE PALMA – IV/5, MILUPARA U/G COAL MINE, VILLAGE – MILUPARA,		02/05/2022 to 27	/05/2022		
STREET, MARY TOWNSPECT			03/05/2022 to 28/05/2022			
22.69-2-35 S. 2-30 S. 2552-5.	ILUPARA,	DATE OF REPORT	REPORT 01/06/2022			
BLOCK-TAMNAR, DISTT RAIGARH (C.G.) 496107		DATE OF ANALYSIS	START: 04/05/2022 END: 31/05/202			
The second second		SAMPLE DETAILS	the second			
MONITORING FOR	AMBIENT AIR QUALITY MONITORING	Y CUSTCHER REF. NO. 6 M/PO/SRV/2122/0049, DATE DTD, 24-JULY-2021				
SAMPLING LOCATION	STAFF QUARTER, MILUPARA	And Cole a				
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY LABORATORY CHEMIST				
SAMPLING PROCEDURE	AS PER METHOD REFERENCE	pla				
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM ₁₀): 1X1 SO ₂ : 30MLX1 NO. PVC BOTT RUBBER BLADDER: 1X1 NO.					

Parameter	Method Reference	NAAQM Standard	
Particulate Matter size less than 10 microns (PM ₁₀)	IS 5182 (Part 23): 2006 & CPCB Guidelines VolI	100	
Particulate Matter size less than 2.5 microns (PM2.5)	IS 5182 (Part 24): 2019 CPCB Guidelines VolI	60	
Sulphur Dioxide (SO ₂)	IS 5182 (Part 2): 2001, RA 2006 4 CPCB Guidelines VolI	80	
Nitrogen Dioxide (NO2)	IS 5182 (Part 6): 2006 & CPCB Guidelines VolI	08	
Carbon Monoxide (CO)*	IS 5182(Part 10):1999, RA 2003	4.0	
Mercury (Hg)	EPA Method IO-5		

TEST REPORT						
Date of Sampling	ΡM ₁₀ μg/m ³	ΡM _{2.5} μg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³
02.05.2022	76	30	08	20	0.5	N.D.
06.05.2022	72	36	12	28	0.9	N.D.
09.05.2022	66	32	08	24	0.6	N.D.
13.05.2022	70	28	10	20	0.5	N.D.
16.05.2022	88	30	16	24	0.2	N.D.
20.05.2022	82	42	10	28	0.8	N.D.
23.05.2022	78	32	14	22	0.4	N.D.
27.05.2022	84	44	10	28	0.6	N.D.

Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected

Terms & conditions = The report for publication, arbitration or as legal dispute in forbido

P Tent sample will be retained for 55 days after lance of test report ordens offserwise agreed with customs

Por ULTIMATE ENVIROLYTICAL SOLUTIONS The in the antionation of the party me assess for balance and the party of the second and the party of the party of the second and the party of the second and the party of the p

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



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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

Name & Address Of The Custon	START.	REPORT NO	UES/TR/22-23/01088 UES/22-23/AAQM/02390-02397			
то,		LAB REF NO				
HINDALCO INDUSTRIES LIMITED, GARE PALMA – IV/5, MILUPARA U/G COAL MINE, VILLAGE – MILUPARA, BLOCK-TAMNAR, DISTT RAIGARH (C.G.) 496107		DATE OF SAMPLING	03/06/2022 to 27	/06/2022		
		DATE OF RECEIPT	04/06/2022 to 28	/06/2022		
		DATE OF REPORT	01/07/2022			
		DATE OF ANALYSIS	END: 30/06/2022			
and the state water		SAMPLE DETAILS		So A REPORTED IN		
MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & M/FO/SRV/2122/0049, DATE DTD. 24-JULY-2021				
SAMPLING LOCATION	STAFF QUARTER, MILUPARA					
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEM	IST		
SAMPLING PROCEDURE	AS PER METHOD REFERENCE					
SAMPLE QUANTITY/PACKING		FILTER PAPER (PM ₁₀): IXI NO., FILTER PAPER (PM _{2.0}): IXI NO. SO ₂ : 30MLXI NO. PVC BOTTLE, NO ₂ : 30MLXI NO. PVC BOTTLE STOREE BLAINDER: IXI NO.				

Parameter	Method Reference	NAAQM Standard
Particulate Matter size less than 10 microns (PM ₁₀)	IS 5182 (Part 23): 2006 & CPCB Guidelines VolI	100
Particulate Matter size less than 2.5 microns (PM2.a)	IS 5182 (Part 24): 2019 CPCB Guidelines VolI	60
Sulphur Dioxide (SO ₂)	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines VolI	80
Nitrogen Dioxide (NO2)	IS 5182 (Part 6): 2006 & CPCB Guidelines Vol1	80
Carbon Monoxide (CO)*	IS 5182(Part 10):1999, RA 2003	4.0
Mercury (Hg)	EPA Method IO-5	388

TEST REPORT						
Date of Sampling	ΡM ₁₀ μg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³
03.06.2022	72	36	14	22	0.2	N.D.
06.06.2022	66	32	12	2.6	0.8	N.D.
10.06.2022	62	38	08	20	0.6	N.D.
13.06.2022	70	22	16	28	0.2	N.D.
17.06.2022	84	36	12	22	0.8	N.D.
20.06.2022	80	48	18	24	0.4	N.D.
24.06.2022	76	32	14	28	0.2	N.D.
27.06.2022	70	4.4	16	22	0.9	N.D.

Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected

Terms & conditions

- The report for publication, arbitration or as legal dispute is included:
 Test sample will be related for 15 days after name of test report unless otherwise agreed with customer

	(Stansan and to	For ULTIMATE ENVIROLYTICAL SOLUTIONS
Pollotizz		the state
REVIEWED BY	1 and the	AUTHORIZED SIGNATORY

ANI 100 - 0004-2015 / 100 - 14001-2015 / ISO 45001-2018 CERTIFIED LABORATORY



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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

Name & Address DI The Curtoe	MAP	REPORT NO	UES/TR/22-23/01816		
TO, HINDALCO INDUSTRIES LIMITED, GARE PALMA - IV/5, MILUPARA U/G COAL MINE, VILLAGE - MILUPARA, BLOCK-TAMNAR, DISTT RAIGARH (C.G.) 496107		LAB JEEF NO	UES/22-23/AAQM/03670-03678 04/07/2022 to 28/07/2022 05/07/2022 to 29/07/2022		
		DATE OF SAMPLING			
		DATE OF RECEIPT			
		DATE OF REPORT	01/08/2022		
		DATE OF ANALYSIS	START:06/07/2022	END:01/08/2022	
And the second second	the Westman I have been stated in	SAMPLE DETAILS		10 10 - 10 - 10 - 10 - 10 - 10 - 10 - 1	
HONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE	M/FO/SRV/2122/0049, DTD, 24-JULY-2021		
SAMPLING LOCATION	STAFF QUARTER, MILUPARA				
DURATION OF SAMPLING	UNATION OF SAMPLING 24 MOURS		LABORATORY CHEMIST		
SAMPLING PROCEDURE	AS PER METHOD REFERENCE				
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM ₂₂) : IXI SO ₂ : 30MLXI NO. PVC BOTT RUBBER BLADDER: IXI NO.		s): 1X1 NO. BOTTLE		

Test Method and NAAQM Standard for Ambient Air Quality Monitoring					
Parameter	Method Reference	NAAQM Standard			
Particulate Matter size less than 10 microns (PM10)	IS 5182 (Part 23): 2006 & CPCB Guidelines VolI	100			
Particulate Matter size less than 2.5 microns (PM2.4)	IS 5182 (Part 24): 2019 CPCB Guidelines Vol1	60			
Sulphur Dioxide (SO ₂)	IS 5182 (Part 2): 2001, RA 2006 6 CPCB Guidelines VolI	80			
Nitrogen Dioxide (NO ₂) Carbon Monoxide (CO)*	IS 5182 (Fart 6): 2006 & CPCH Guidelines Vol1 IS 5182(Part 10):1999, RA 2003	80 4_0			
Mercury (Hg)	EPA Method IO-5				

TEST REPORT						
Date of Sampling	PM10 µg/m ³	PM _{2.5} μg/m ³	503 μg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³
04.07.2022	68	35	12	29	0.7	N.D.
07.07.2022	60	39	10	28	0.5	N.D.
11.07.2022	70	30	09	22	0.9	N.D.
15.07.2022	62	28	12	26	0.2	N.D.
19.07.2022	68	32	14	28	0.8	N.D.
21.07.2022	76	36	18	2.0	0.4	N.D.
25.07.2022	70	32	12	24	0.7	N.D.
28.07.2022	78	38	10	2.8	0.6	N.D.

Terms & conditions

 The report for publication, addition or as legal dispate in Enthilden.
 Test sample will be invalided for 13 days after rouse for report prime. in agreed with customic

		For ULTIMATE ENVIROLYTICAL SOLUTIONS
	EE COTA SIE	- H.
01/05/21	「開催」(シングを回り	Rentation
01/02/22	Value - Mart	01/00/2
REVIEWED BY		AUTHORIZED SIGNATORY



Name & Address Of The Custos	Notes 1	REPORT NO	UES/TR/22-23/028	50	
TO, HINDALCO INDUSTRIES LIMITED, GARE PALMA – IV/5, MILUPARA U/G COAL MINE,VILLAGE – MILUPARA, BLOCK-TAMNAR, DISTT RAIGARH (C.G.) 496107		LAB REF MO	UE8/22-23/AAQM/07941-07948		
		DATE OF EAMPLING	01/08/2022 TO 29	/08/2022	
		DATE OF RECEIPT	02/08/2022 TO 30	/08/2022	
		DATE OF REPORT	02/09/2022		
		DATE OF ANALYSIS	START: 03/08/2022	MMD:02/09/2022	
	Access for some some	SAMPLE DETAILS	Contraction of the		
MONITORING FOR AMBIENT AIR QUALITY MONITORING		CUSTOMER REF. NO. 4 DATE	VERBAL COMMUNICATION.		
SAMPLING LOCATION	STAFT QUARTER, MILUPARA	a hara na handar			
DURATION OF SAMPLING 24 HOURS		SAMPLE COLLECTED BY	LABORATORY CHEM	187	
SAMPLING PROCEDURE	AS PER METHOD REFERENCE				
SAMPLE QUANTITY/PACKING	FILTER PAPER (FM.,): IXI BO., FILTER PAPER (FM.,): IXI BO. 50: JORIXI BO. FVC BOTTLE, MC2: JORIXI BO. FVC BOTTLE RUBBER BLADDER: IXI BO.				

Test Method and NAAQM Standard for Ambient Air Quality Monitoring					
Parameter	Method Reference	NAAQM Standard			
Particulate Matter size less than 10 microns (PMin)	IS 5182 (Part 23): 2006 & CPCB Guidelines VolI	100			
Particulate Matter size less than 2.5 microns (PM: s)	IS 5182 (Part 24): 2019 CPCBGuidelines VolI	60			
Sulphur Dioxide (SO ₂)	IS 5182 (Part 2): 2001, RA 2006 4 CPCB Guidelines Vol.=I	80			
Nitrogen Dioxide (NO ₂)	IS 5182 (Part 6): 2006 #CPCBGuidelines VolI	80			
Carbon Monoxide (CO)*	IS 5182(Part 10):1999, RA 2003	4.0			
Mercury (Hg)	EPA Method 10-5	770			

TEST REPORT						
Date of Sampling	ΡM ₁₀ μg/m ³	PM _{2.5} μg/m ³	SO2 μg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³
01.08,2022	66	20	10	28	0.6	N.D.
04.08.2022	62	26	14	25	0.2	N.D.
08.08,2022	56	22	09	20	0.8	N.D.
16,08,2022	6,0	28	12	24	0.4	N.D.
18.08.2022	68	20	14	26	0.6	N.D.
22,08,2022	52	32	80	22	0.2	N.D.
25.08.2022	68	22	16	28	0.8	N.D.
29.08.2022	54	34	12	21	0.4	N.D.

Terms & consultions
The mean har pack-alone, antimation or as legal dispute in Architecture
That sequence with a result of 15 stars after insure the result of real mapoof unless otherwise agreest with; costs
This is for othermation as the party has asked for alone, health) only.

For ULTIMATE ENVIROLYTICAL SOLUTIONS Rech Le 02/03/22 AUTHORIZED SIGNATORY REVIEWED BY

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

AN 199 - ANALONE UPO, LINNAME UPO, LENALAND OF PTITIED LADODATODA



Minne & Address Of The Double	num -	REPORT NO	UES/TE/22-23/03294		
TO, HINDALCO INDUSTRIES LIMITED, GARE PALMA – IV/5, MILUPARA U/G COAL MINE,VILLAGE – MILUPARA, BLOCK-TAMNAR, DISTT RAIGARH (C.G.) 496107		LAB REF NO	UES/22-23/AAQM/08548-08555		
		DATE OF SAMPLING	02/09/2022 to 26	/09/2022	
		DATE OF RECEIPT	03/09/2022 to 27/09/2022 01/10/2022		
		DATE OF REPORT			
		DATE OF ANALYSIS	START: 04/09/2022	END: 01/10/2022	
		SAMPLE DETAILS			
MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. 6 DATE	F.O. 13552310212, DATED: 07.09.202		
SAMPLING LOCATION	STAFF QUARTER, MILUPARA				
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEM	187	
SAMPLING PROCEDURE	AS PER METHOD REFERENCE				
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM ₁₀): 1X1 SO ₂ : JOMLXI NO. PVC BOTT RUDBER BLADDER: 1X1 NO.				

Test Method and NAAQM Standard for Ambient Air Quality Monitoring					
Parameter	Method Reference	NAAQM Standard			
Particulate Matter size less than 10 microns (PM ₁₀)	15 5182 (Part 23); 2006 & CPCB Outdelines Vol1	200			
Particulate Matter size less than 2.5 microns (PM _{2.5})	15 5192 (Part 24): 2019 CPCB Guidelines VolI	60			
Sulphur Dioxide (SO2)	IS 5182 (Part 2): 2001, RA 2006 6 CPCB Guidelines VolI	80			
Nitrogen Dioxide (ND-1	15 5182 (Part 6): 2006 & CPCB Guidelines Vol1	.9.0			
Carbon Monostide (CO)*	IS 5182(Part 10):1999, RA 2003	4.0			
Nercury (Hg)	KPA Method IO-5				

TEST REPORT						
Date of Sampling	ΡM ₁₀ μg/m ³	ΡM _{2.5} μg/m ³	502 µg/m ³	NO₂ µg/m³	CO* mg/m ³	Hg ng/m ³
02.09.2022	44	24	16	22	0,8	N.D.
05.09.2022	58	22	1.0	28	0.6	N.D.
09,09,2022	42	28	0.6	22	0.2	N.D.
12.09.2022	46	24	18	2.0	0.8	N.D.
16.09.2022	52	2.6	12	22	0+4	N.D.
19.09.2022	48	2.4	0.9	2.8	0.2	N.D.
23.09.2022	46	26	18	22	0.6	N.D.
26.09.2022	42	-22	10	24	0.8	N.D.

Terms & conditions

- First an automative of a second se

	For ULTIMATE ENVIROLYTICAL SOLUTIONS
Belle	- H
01/10/22	011022
REVIEWED BY	AUTHORIZED SIGNATORY

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



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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

None & Address Of The Custor	undur.	REPORT NO	UES/TR/22-23/036	8
TO,		LAB REF NO	UES/22-23/AAQM/0462-0469	
HINDALCO INDUSTRIES LIMITED, GARE PALMA – IV/5, MILUPARA U/G COAL MINE,VILLAGE – MILUPARA, BLOCK-TAMNAR, DISTT RAIGARH (C.G.) 496107		DATE OF SAMPLING	04/04/2022 to 29/04/2022 05/04/2022 to 30/04/2022 02/05/2022 START:05/04/2022 END:02/05/2022	
		DATE OF RECEIPT		
		DATE OF REPORT		
		DATE OF ANALYSIS		
		SAMPLE DETAILS	No. of the Real Property lies, and the real Property lies,	
MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. 6 DATE	and a set of the set o	
SAMPLING LOCATION	HIL COLONY, KONDREL		1	
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST	9
SAMPLING PROCEDURE	AS PER METHOD REFERENCE			
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM ₁₀): 1X1 NO., FILTER PAPER (PM _{2.5}): 1X1 NO. SO ₂ : 30MLX1 NO. PVC BOTTLE, NO ₂ : 30MLX1 NO. PVC BOTTLE RUBBER BLADCER: 1X1 NO.			

Test Method and NAAQM Standard for Ambient Air Quality Monitoring					
Parameter	Method Reference	NAAQM Standard			
Particulate Matter size less than 10 microns (PM ₁₈)	IS 5182 (Part 23): 2006 & CPCB Guidelines VolI	100			
Particulate Matter size less than 2.5 microns (PM2.5)	IS 5182 (Part 24): 2019 CPCB Guidelines VolI	60			
Sulphur Dioxide (SO ₂)	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines VolI	80			
Nitrogen Dioxide (NO ₂)	IS 5182 (Part 6): 2006 & CPCB Guidelines VolI	80			
Carbon Monoxide (CO)*	IS 5182(Part 10):1999, RA 2003	4.0			
Mercury (Hg)	EPA Method IO-5				

Date of Sampling	ΡM ₁₀ μg/m ³	PM _{2.5} μg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³
04.04.2022	80	26	18	28	0.8	N.D.
08.04.2022	76	32	12	24	0.2	N.D.
11.04.2022	58	28	16	34	0.6	N.D.
15.04.2022	64	24	10	26	0.4	N.D.
18.04.2022	78	28	12	22	0.8	N.D.
22.04.2022	70	32	18	28	0.2	N.D.
25.04.2022	76	28	10	24	0.5	N.D.
29.04.2022	80	26	12	22	0.7	N.D.

Terms & conditions

As a d	1 Alexandream	For ULTIMATE ENVIROLYTICAL SOLUTION
1112 212	ANG AT SEL	1.4
1000	[19] (14) [19]	The state
0-1	ELE SEE	02/05/22
REVIEWED BY		AUTHORIZED SIGNATOR

End of the test report.....

timate

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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

Name & Address Of The Contan	anr.	REPORT NO	UES/TR/22-23/011	07
то,		LAB REF NO	UES/22-23/AAQM/01098-01105	
HINDALCO INDUSTRIES LIMITED, GARE PALMA – IV/5, MILUPARA U/G COAL MINE, VILLAGE – MILUPARA, BLOCK-TAMNAR, DISTT RAIGARH (C.G.) 496107		DATE OF SAMPLING	02/05/2022 to 27/05/2022 03/05/2022 to 28/05/2022	
		DATE OF RECEIPT		
		DATE OF REPORT	01/06/2022	
		DATE OF ANALYSIS	START: 04/05/2022 END: 31/05	
		SAMPLE DETAILS	All states and states	
MONITORING FOR	AMBIENT AIR QUALITY MONITORING	PROVIDENCES AND A STREET AND A ST		£2
SAMPLING LOCATION	HIL COLONY, MONDREL	Martine and the second second		
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST	
SAMPLING PROCEDURE	AS FER METHOD REFERENCE			
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM:0): IXI NO., FILTER PAPER (PM:1): IXI NO. SO:: 30MLXI NO. FVC BOTTLE, NO:: 30MLXI NO. PVC BOTTLE RUBBER BLADDER: IXI NO.			

Test Method and NAAQM Standard for Ambient Air Quality Monitoring				
Parameter	Method Reference	NAAQM Standard		
Particulate Matter size less than 10 microns (PM ₁₀)	IS 5182 (Part 23): 2006 & CPCB Guidelines VolI	100		
Particulate Matter size loss than 2.5 microns (PM2.5)	IS 5182 (Part 24): 2019 CPCB Guidelines VolI	60		
Sulphur Dioxide (SO ₂)	IS 5182 (Part 2): 2001, RA 2006 6 CPCB Guidelines VolI	80		
Nitrogen Dioxide (NO ₂)	IS 5182 (Part 6): 2006 & CPCB Guidelines VolI	BO		
Carbon Monoxide (CO)*	IS 5182(Part 10):1999, RA 2003	4.0		
Mercury (Hg)	EPA Method IO-5			

TEST REPORT						
Date of Sampling	ΡM ₁₀ μg/m ³	PM _{2.5} μg/m ³	SO ₁ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³
02.05.2022	88	40	10	28	0.9	N.D.
06.05.2022	78	38	08	22	0.5	N.D.
09.05.2022	66	30	14	38	0.2	N.D.
13.05.2022	60	28	10	22	0.7	N.D.
16.05.2022	78	34	16	36	0.6	N.D.
20.05.2022	72	42	10	24	0.2	N.D.
23.05.2022	68	32	14	20	0.8	N.D.
27.05.2022	76	30	08	28	0.4	N.D.

Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected

Terms & conditions The report for particular, and Test sample will be resident for har 15 ale

10		For ULTIMATE ENVIROLYTICAL SOLUTIONS
Theat	AN ANAL	Mi
01106122	「観しい場	010622
REVIEWED BY		AUTHORIZED SIGNATORY

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



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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

Nome & Address Of The Custom	udr.	REPORT NO	UES/TR/22-23/0108	19
то,		LAB REF NO	UES/22-23/AAQM/02398-024	
HINDALCO INDUSTRIES LIMITED, GARE PALMA – IV/5, MILUPARA U/G COAL MINE, VILLAGE – MILUPARA, BLOCK-TAMNAR, DISTT RAIGARH (C.G.) 496107		DATE OF SAMPLING	03/06/2022 to 27	/06/2022
		DATE OF RECEIPT	04/06/2022 to 28/06/2022 01/07/2022 START:05/06/2022 END:30/06/202	
		DATE OF REPORT		
		DATE OF ANALYSIS		
DISTIN		SAMPLE DETAILS		State State State
MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. 4 DATE	H/PO/SRV/2122/0049, DTD. 24-JULY-2021	
SAMPLING LOCATION	HIL COLONY, MONDAUL	The second		
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST	
SAMPLING PROCEDURE	AS PER METHOD REFERENCE	All success and success		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM10): 1X1 SO2: 30MLX1 NO. PVC BOTT RUBBER BLADDER: 1X1 NO.	NO., FILTER PAPER (PI LE, NOJ: JOMLX1 NO. P	M _{2.8}): IXI NO. WC BOTTLE	

Parameter	AQM Standard for Ambient Air Quality Monitor Method Reference	NAAQM Standard
Particulate Matter size less than 10 microns (FM ₁₀)	IS 5182 (Part 23): 2006 & CPCB Guidelines VolI	100
Particulate Matter size less than 2.5 microns (PM _{2.5})	15 5162 (Part 24): 2019 CPCB Guidelines Vol1	60
Sulphur Dioxide (SO ₂)	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines VolI	80
Nitrogen Dioxide (NO ₂)	IS 5182 (Part 6): 2006 % CPCB Guidelines VolI	80
Carbon Monoxide (CO)* Mercury (Hg)	IS 5182(Part 10):1999, RA 2003 EPA Method IO-5	4.0

TEST REPORT						
Date of Sampling	ΡM ₁₀ μg/m ³	ΡΜ _{2.5} μg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³
03.06.2022	86	40	15	26	0.4	N.D.
06.06.2022	78	38	12	28	0.6	N.D.
10.06.2022	68	22	10	38	0.9	N.D.
13.06.2022	60	38	16	2.2	0.2	N.D.
17.06.2022	72	36	12	34	0.8	N.D.
20.06.2022	64	42	10	22	0.4	N.D.
and the second sec	68	38	14	26	0.6	N.D.
24.06.2022	70	34	18	24	0.3	N.D.

Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected Terms & conditions

	 The report for publication, orbitration of at log lost sample sold by relation? No: 13 date after 	toolar of test report orders of create sound with createvery	
-	- This is the reference of the party has ested		For ULTIMATE
	Barraha	調金順	
	REVIEWED BY	The set and the	AUTHO



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



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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

Hame & Address Of The Custon	n dor	REPORT NO	UES/TR/22-23/018	17
то,		LAB REF NO	UES/22-23/AACM/03679-03	
HINDALCO INDUSTRIES LIMITED, GARE PALMA – IV/5, MILUPARA U/G COAL MINE, VILLAGE – MILUPARA, BLOCK-TAMNAR, DISTT RAIGARH (C.G.) 496107		DATE OF SAMPLING	04/07/2022 to 28/07/2022 05/07/2022 to 29/07/2022 01/08/2022	
		DATE OF RECEIPT		
		DATE OF REPORT		
		DATE OF ANALYSIS	START:06/07/2022	END:01/08/2022
		SAMPLE DETAILS	A P. S. Martin Street and	
MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTONER REF. NO. & DATE	M/PO/SRV/2122/0049 DTD. 24-JULY-2021	9
SAMPLING LOCATION	HIL COLONY, KONDREL			
DURATION OF SAMPLING 24 HOURS		SAMPLE COLLECTED BY	LABORATORY CHEMIST	
SAMPLING PROCEERINE	AS PER METHOD REPERENCE	and the second second second second	COMPANY IS MILLION	
SAMPLE QUANTITY/VACHING	FILTER PAPER (PM ₁₂): 1X1 SO ₂ : 30MLX1 NO. FVC BOTT RUBBER BLADDER: 1X1 NO.			

Test Method and NAAQM Standard for Ambient Air Quality Monitoring					
Parameter	Method Reference	NAAQM			
Particulate Matter size less than 10 microns (PM _{1E})	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol1	100			
Particulate Matter size less than 2.5 microns (PM2.5)	IS 5182 (Part 24): 2019 CPCB Guidelines Vol1	60			
Sulphur Dioxide (SO ₁)	15 5192 (Part 2): 2001, RA 2006 4 CPCB Guidelines Vol1	80			
Nitrogen Dloxide (NO ₂)	15 5192 (Part 6): 2006 & CPCB Guidelines Vol1	80			
Carbon Monoxide (CD)*	IS 5182(Part 10):1999, RA 2003	4.0			
Mercury (Hg)	EPA Method IO-5				

TEST REPORT						
Date of Sampling	ΡΜ10 μg/m ³	PM _{2.5} μg/m ³	50 ₂ μg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³
04.07.2022	76	26	12	2.8	0.5	N.D.
07.07.2022	7.0	30	10	22	0.9	N.D.
11.07.2022	64	28	18	36	0.2	N.D.
15.07,2022	62	38	14	20	0.8	N.D.
19.07.2022	70	32	12	28	0.4	N.D.
21.07.2022	62	24	16	20	0.6	N.D.
25.07.2022	60	30	12	24	0.2	N.D.
28.07.2022	76	32	10	28	0.8	N.D.

Terms & conditions

The report for public plane, arbitraries or an Test nonphe will be related for 14 days are flux in his industriation as the party has aske Last of phase capitolity cash 22.000 when and red that For ULTIMATE ENVIROLYTICAL SOLUTIONS Jur * Agell 01/08/22 REVIEWED BY

010022 AUTHORIZED SIGNATORY

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



Name & Address Of The Custos	Argina .	REPORT NO	UES/TR/22-23/028	2-23/02851 3/AAQM/07949-07956	
то,		LAB REP NO	UES/22-23/AAQM/01		
HINDALCO INDUSTRIES LIMITED, GARE PALMA – IV/5, MILUPARA U/G COAL MINE,VILLAGE – MILUPARA, BLOCK-TAMNAR, DISTT RAIGARH (C.G.) 496107		DATE OF BAMPLING	01/08/2022 TO 29/	01/08/2022 TO 29/08/2022	
		DATE OF RECEIPT	02/08/2022 TO 30/08/2022 02/09/2022 BTART: 03/08/2022 BND:02/09/202		
		DATE OF REPORT			
		DATE OF AMALYSIS			
		SAMPLE DETAILS			
MONITORING FOR	AMBITENT AIR QUALITY MONITORING	CUSTONER REF. NO. & DATE	VERBAL COMMUNICATIO	2W.	
SAMPLING LOCATION	HIL COLONY, MONDAGEL	14 months and			
DURATION OF SAMPLING 24 HOURS		SAMPLE COLLECTED BY	LABORATORY CHIMIST		
SAMPLING PROCEDORE	AS PER METHOD REFERENCE		La construction de la constructi		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM_s) / IXI NO., FILTER PAPER (PM_s) / IXI NO. SO, JOHLXI NO. PVC BOTTLE, NO, JOHLXI NO. PVC BOTTLE HUMBER BLADER: IXI NO.				

Parameter	Method Reference	NAAQM Standard	
Particulate Matter size less than 10 microns (PM:0)	IS 5182 (Part 23): 2006 & CPCB Guidelines VolI	100	
Particulate Matter size less than 2.5 microns (PM: 6)	IS 5102 (Part 24): 2019 CPCBGuidelines VolI	60	
Sulphur Dioxide (50g)	IS 5187 (Part 2): 7001, RA 2006 & CPCE Guidelines VolI	80	
Nitrogen Dioxide (NO ₂)	IS 5182 (Fart 6): 2006 & CPCB Guidelines Vol1	80	
Carbon Monoside (CO)*	IS 5182(Part 10):1999, RA 2003	4.0	
Mercury (Hg)	EPA Method 10-5		

TEST REPORT						
Date of Sampling	PM10 μg/m ³	PM _{2.5} μg/m ³	SO2 µg/m ³	NO2 µg/m ³	CO* mg/m ³	Hg ng/m ³
01.08.2022	58	20	12	22	0.5	N.D.
04.08.2022	68	28	80	26	0.6	N.D.
08.08.2022	56	22	10	30	0.4	N.D.
16.08.2022	50	24	08	24	0.8	N.D.
18.08.2022	68	30	16	28	0.2	N.D.
22.08.2022	62	36	14	22	0.6	N.D.
25.08.2022	58	28	1.2	26	0.4	N.D.
29.08.2022	66	24	10	22	0.2	N.D.

Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected
Terms & conditions
- The rear for automation attentions or a lengt dispatic to Architecture
- The rear for automatic attentions are the automatic to Architecture
- The top of the same time attention attention attentions
- The same time attention attention attentions
- The same time attention attention attention attention
- The same time attention attention attention
- The same time attention attention
- The same time attention
- The same t

	((人)時)	For ULTIMATE ENVIROLYTICAL SOLUTIONS
File		- let
02/03/22	0000	02109 22
REVIEWED BY		AUTHORIZED SIGNATORY

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

ATTEM AND AND TIME TIME THAT AND THE TRACT AND APPRICATE TRANSPORT



Anne 3 Addreys Of The Conton		REFORT NO UES/TR/22-23/03295			
то,		LAB REF NO	UES/22-23/AAQM/08556-08563		
HINDALCO INDUSTRIES LIMITED, GARE PALMA – IV/5, MILUPARA U/G COAL MINE,VILLAGE – MILUPARA, BLOCK-TAMNAR, DISTT RAIGARH (C.G.) 496107		DATE OF SAMPLING	02/09/2022 to 26/09/2022 03/09/2022 to 27/09/2022 01/10/2022		
		DATE OF RECEIPT			
		DATE OF REPORT			
		DATE OF ANALYSIS	START: 04/09/2022	MND:01/10/2022	
		SAMPLE DETAILS			
MONITORING FOR	AMBIENT AIR QUALITY MONITORING	COSTONES REF. NO. # DATE	P.O.13552310212,DA	THED:07.09.2022	
SAMPLING LOCATION	HIL COLONY, NONDREL				
DURATION OF SAMPLING 24 HOURS		SAMPLE COLLECTED BY	LABORATORY CREMIST		
SAMPLING PROCEDURE	AS PER METHOD REFERENCE	W.S.S. or second second			
SANDLE QUANTITY/PACKING	FILTER PAPER (FM ₁₀): 1X1 SO ₂ : JOMLXI NO. PVC BOTT RUBBER BLADDER: 1X1 NO.				

Test Method and NAAQM Standard for Ambient Air Quality Monitoring						
Parameter	Method Reference	NAAQM Standard				
Particulate Matter size less than 10 microns (PM ₁₀)	IS 5182 (Part 23): 2006 & CPUB Guidelines VolT	100				
Particulate Matter size less than 2.5 microns (PM _{2.3})	28 5192 (Part 24): 2019 CPCB Guidelines VolI	60)				
Sulphur Dioxide (SO _J)	IS 3182 (Part 7): 2001, BA 2006 & CPDB Guidelines Vol1	80				
Nitrogen Dioxide (NO ₂)	IS 5182 (Part 6): 2006 & CPCB Guidelines VolI	80)				
Carbon Monoxide (CO)*	IS 0182(Part 10):1999, RA 2003	4+0				
Mercury (Bg)	EPA Method IO-5					

TEST REPORT						
Date of Sampling	ΡΜ ₁₀ μg/m ³	ΡM _{2.5} μg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³
02.09.2022	42	18	18	28	0.8	N.D.
05.09.2022	56	22	13	24	0.2	N.D.
09.09.2022	42	28	12	22	0.6	N . D .
12.09.2022	54	22	06	28	0.4	N.D.
16.09.2022	42	28	14	24	0.8	N.D.
19,09.2022	46	22	18	26	0.2	N.D.
23.09.2022	52	24	10	20	0.8	N.D.
26.09.2022	48	22	14	28	0.6	N.D.

Terms & conditions

The space for publication, whereas is a spacial answer in Architeker
 The sample will be reasoned for 12 data wher prior of the super-public collocation agreed with concerner.

By/10/22 REVIEWED BY E CA

For ULTIMATE ENVIROLYPICAL SOLUTIONS Ta 01/10/22 AUTHORIZED SIGNATORY

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



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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

Name & Address Of The Custon	mer	REPORT NO	UES/TR/22-23/036	369	
and the second s		LAB REF NO	UES/22-23/AAQM/0470-0478		
HINDALCO INDUSTRIES LIMITED, GARE PALMA – IV/5, MILUPARA U/G COAL MINE,VILLAGE – MILUPARA, BLOCK-TAMNAR, DISTT RAIGARH (C.G.) 496107		DATE OF SAMPLING	04/04/2022 to 29	3/04/2022	
		DATE OF RECEIPT	05/04/2022 to 30/04/2022 02/05/2022		
		DATE OF REPORT			
		DATE OF ANALYSIS	START: 05/04/2022	END: 02/05/2022	
		SAMPLE DETAILS	A DESCRIPTION OF THE REAL PROPERTY OF THE REAL PROP	A CONTRACTOR	
MONIFORING FOR	AMBIENT AIR QUALITY MONITORING			,	
SAMPLING LOCATION	ETP AREA, KONDERL		DTD. 24-JULY-2021		
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST		
SAMPLING PROCEDURE	AS PER METHOD REFERENCE				
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM ₁₅): 1X1 SO ₂ : 30MLX1 NO. PVC BOTT RUBBER BLADDER; 1X1 NO.	NO., FILTER PAPER (PM) LE, NO2: JOHLXI NO. PVC	s): IXI NO. BOTTLE		

Test Method and NAAQM Standard for Ambient Air Quality Monitoring						
Parameter	Method Reference	NAAQM				
Particulate Matter size less than 10 microns (PM ₁₀)	IS 5182 (Part 23): 2006 & CPCB Guidelines VolI	100				
Particulate Matter size less than 2.5 microns (PM2,5)	IS 5182 (Fart 24): 2019 CPCB Guidelines VolI	60				
Sulphur Dioxide (SO ₂)	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines VolI	80				
Nitrogen Dioxide (NO ₂)	IS 5102 (Part 6): 2006 & CPCB Guidelines VolI	80				
Carbon Monoxide (CO)*	IS 5192(Part 10):1999, RA 2003					
Mercury (Hg)	EPA Method IO-5	4.0				

TEST REPORT						
Date of Sampling	ΡM ₁₀ μg/m ³	РМ _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m
04.04.2022	62	30	08	20	0.9	N.D.
08.04.2022	78	38	06	28	0.5	N.D.
11.04.2022	80	32	09	22	0.8	N.D.
15.04.2022	86	46	10	24	0.2	
18.04.2022	70	32	14	28	0.7	N.D.
22.04.2022	68	36	12	22	and the second sec	N.D.
25.04.2022	84	44	16	28	0.5	N.D.
29.04.2022	78	38	10		0.2	N.D.
emarks: * Duratio	COLUMN TWO IS NOT THE OWNER.	1.5517	the second se	30	0.6	N.D.

Terms & conditions

1.00	This means the authorston authorstone in a first the second
3 D -	The report for paddication, arbitration or an input departs in Authority.
- AL	Tast sample self be related for 17 Alsos after taxes of text regard actess

No Maria	(S) Sumality	For ULTIMATE ENVIROLYTICAL SOLUTION
205/20		- Mi
0210		02/05/22
REVIEWED BY	Partie a Bray	AUTHORIZED SIGNATORY

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



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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

Name & Address Of The Custor	5427	REPORT NO	REPORT NO UES/TR/22-23/01108		
TO, HINDALCO INDUSTRIES LIMITED, GARE PALMA – IV/5, MILUPARA U/G COAL MINE, VILLAGE – MILUPARA, BLOCK-TAMNAR, DISTT RAIGARH (C.G.) 496107		LAB REF NO	UES/22-23/AAQM/01106-01113 02/05/2022 to 27/05/2022		
		DATE OF SAMPLING			
		DATE OF RECEIPT	03/05/2022 to 28/05/2022		
		DATE OF REPORT	01/06/2022	And the second	
		DATE OF ANALYSIS	START: 04/05/2022 END: 31/05		
		SAMPLE DETAILS	A REAL PROPERTY OF		
MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. 6 DATE	M/PO/SRV/2122/0045 DTD. 24-JULY-2021	,	
SAMPLING LOCATION	ETP AREA, KONDKEL	(¹ /2)	been worder the owned the		
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST		
SAMPLING PROCEDURE	AS PER METHOD REFERENCE				
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM ₁₀): 1X1 SO ₂ : 30MLX1 NO. PVC BOTT RUBBER BLADDER: 1X1 NO.				

Test Method and NAAQM Standard for Ambient Air Quality Monitoring				
Parameter	Method Reference	NAAQM		
Particulate Matter size less than 10 microns (PM ₁₀)	IS 5182 (Part 23): 2006 & CPCB Guidelines VolI	100		
Particulate Matter size less than 2.5 microns (FM2.5)	IS 5182 (Part 24): 2019 CPCB Guidelines VolI	60		
Sulphur Dioxide (SO _J)	IS 5182 (Part 2): 2001, BA 2006 6 CPCB Guidelines VolI	80		
Nitrogen Dioxide (NO ₂)	IS 5182 (Part 6): 2006 & CPCB Guidelines VolI	80		
Carbon Monoxide (CO)*	IS 5182(Part 10):1999, RA 2003	4.0		
Mercury (Hg)	EPA Mathod IO-5			

TEST REPORT						
Date of Sampling	РМ ₁₀ µg/m ³	РМ _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ing/m ³
02.05.2022	78	32	08	22	0.9	N.D.
06.05.2022	84	34	06	28	0.5	N.D.
09.05.2022	70	38	09	25	0.7	N.D.
13.05.2022	84	42	12	20	0.6	N.D.
16.05.2022	72	38	10	26	0.2	N.D.
20.05.2022	84	44	14	28	0.8	N.D.
23.05.2022	88	40	12	22	0.5	N.D.
27.05.2022	78	46	18	28	0.8	N.D.

Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected

Terms & conditions The report for publicities, interation or an legal depute to facilitation, Text sample with the mediened for the days offer linear of two report releases

0 10	10 20	For ULTIMATE ENVIROLYTICAL SOLUTIONS
Thught	(A) (30)	Ve-
011061	同じの調	00010622
REVIEWED BY	a stall	AUTHORIZED SIGNATORY

and with my

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



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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

Name & Address Of The Custor	man *	REPORT NO	UES/TR/22-23/01090		
TO, HINDALCO INDUSTRIES LIMITED, GARE PALMA – IV/5, MILUPARA U/G COAL MINE, VILLAGE – MILUPARA, BLOCK-TAMNAR, DISTT RAIGARH (C.G.) 496107		LAB REF NO	UES/22-23/AAQM/02406-02413		
		DATE OF SAMPLING	03/06/2022 to 27/06/2022 04/06/2022 to 28/06/2022		
		DATE OF RECEIPT			
		DATE OF REPORT	01/07/2022		
		DATE OF ANALYSIS	START: 05/06/2022 END: 30/06/2		
To Y I HAR A HAR AND A HAR AND A	A STATE OF THE OWNER OF THE	SAMPLE DETAILS	The second second second	A DESCRIPTION OF	
MONITORING POR	AMBIENT AIR QUALITY MONITORING			M/PO/SRV/2122/0049, DTD. 24-JULY-2021	
SAMPLING LOCATION	ETP AREA, KONDREL				
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST		
SAMPLING PROCEDURE	AS PER METHOD REFERENCE				
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM _{cd}): 2X1 SO ₂ : JOHLK1 NO. FVC BOTT RUDBER BLADDER: 1X1 NO.				

Test Method and NAAQM Standard for Ambient Air Quality Monitoring				
Parameter	Method Reference	NAAQM Standard		
Particulate Matter size less than 10 microns (PM ₁₀)	IS 5182 (Part 23): 2006 & CPCB Guidelines VolI	100		
Particulate Matter size less than 2.5 microns (PM2.3)	IS 5182 (Part 24): 2019 CPCB Guidelines Vol1	6.0		
Sulphur Dioxide (SO ₂)	15 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol1	80		
Nitrogen Dioxide (NO ₂)	IS 5182 (Part 6): 2006 & CPCB Guidelines VolI	80		
Carbon Monoxide (CO).*	15 5182(Part 10):1999, RA 2003	4.D		
Mercury (Hg)	EPA Method IO-5			

TEST REPORT						
Date of Sampling	РМ ₁₀ µg/m ³	РМ _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³
03.06.2022	64	30	12	22	0.6	N.D.
06.06.2022	78	38	18	28	0.2	N.D.
10.06.2022	72	32	10	22	0.8	N.D.
13.06.2022	80	46	14	2.6	0.4	N.D.
17.06.2022	79	30	19	20	0.8	N.D.
20.06.2022	84	4.4	12	2.4	0.2	N.D.
24.06.2022	86	48	18	2.8	0.9	N.D.
27.06.2022	72	42	16	22	0.2	N.D.

Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected

Terms & conditions

The report for publication, additionation or as legal dispute is forbidden.

 Inst storger well be retained for 13 along after tools Det is for accordance as the party for acted for a 	down rests with	
0 10	w/s and a lo	For ULTIMATE ENVIROLYTICAL SOLUTIONS
Therein		f Jul.
ollotte		0-102/22
REVIEWED BY	12 ma . 190 - 55	AUTHORIZED SIGNATORY

AN ICO - 0001-2016 / ICO- 14001-2016 / ICO 45001-2018 CEDTICIED I ARODATODV



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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

Name & Address B! The Custor	mar	REPORT NO	UES/TR/22-23/01	918
HINDALCO INDUSTRIES LIMITED, GARE PALMA - IV/5, MILUPARA U/G COAL MINE, VILLAGE - MILUPARA, BLOCK-TAMNAR, DISTT RAIGARH (C.G.) 496107		LAB REF NO	UE8/22-23/AAQM/03687-03694 04/07/2022 to 28/07/2022 05/07/2022 to 29/07/2022 01/08/2022	
		DATE OF SAMPLING		
		DATE OF RECEIPT		
		DATE OF REPORT		
		DATE OF ANALYSIS	START:06/07/2022	MND:01/08/2022
	the state of the s	SAMPLE DETAILS	All Contraction	
MONIFORING FOR	AMBIENT AIR QUALITY MOBITORING	CUSTOMER REF. ND. 6	M/FO/SRV/2122/0049, DTD. 24-JULY-2021	
SAMPLING LOCATION	ATP AREA, KONDREL			
DUNATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHIMIST	
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		Terrene and the second state of the second sec	
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM ₁₀): IXI SO ₂ : JOHLXI NO. FVC BOTT. RUBBER BLADER: IXI NO.	NO., FILTER PAPER (PM) LR, NO2: JOHLXI NO. PVC	s): IXI NO. BOTTLE	

Test Method and N	AAQM Standard for Ambient Air Quality Monito	ring
Parameter	Method Reference	NAAQM
Particulate Matter size less than 10 microns (PM10)	IS 5192 (Part 23): 2006 & CPCB Guidelines VolI	100
Particulate Matter size less than 2.5 microns (PM _{2.5})	IS 5182 (Part 24): 2019 CPCB Guidelines Vol1	60
Sulphur Dioxide (SO ₂)	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines VolI	60
Nitrogen Dioxide (NO2)	IS 5182 (Part 6): 2006 & CPCB Guidelines VolI	80
Carbon Monoxide (CO)*	IS 5182 (Part 10):1999, RA 2003	4.0
Mercury (Hg)	EPA Method IO-5	

TEST REPORT						
Date of Sampling	PM10 μg/m ³	PM _{2.5} μg/m ³	SO ₂ μg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³
04.07.2022	60	36	10	26	0.5	N.D.
07.07.2022	74	30	16	22	0.9	N.D.
11.07.2022	78	38	12	24	0.7	N.D.
15.07.2022	68	42	18	2.8	0.5	N.D.
19.07.2022	60	38	10	22	0,9	N.D.
21.07.2022	68	30	14	28	0.7	N.D.
25.07.2022	60	36	16	20	0.4	N.D.
28.07.2022	70	38	12	28	0.6	N.D.

Terms & conditions

- The report for publication, artistication or in legal dispose in biological. Test sample will be reasoned by 11 deer white thiss of form which advant advantation article account Test is being advantation on the party for activat the plane restrict conte

	I AS MARKE	For ULTIMATE ENVIROLYTICAL SOLUTIONS
Etter W.	(離(公)酷)	- Juli
01/05/22		Centre 22
REVIEWED BY		AUTHORIZED SIGNATORY

End of the test report.....



Name & Address Of The Custon	tar-	REPORT NO	UES/TR/22-23/02852		
то,		LAB REF NO	LAB REF NO. UES/22-23/AAQM/075		
HINDALCO INDUSTRIES LIMITED, GARE PALMA - IV/5, MILUPARA U/G COAL MINE,VILLAGE - MILUPARA, BLOCK-TAMNAR, DISTT RAIGARH (C.G.) 496107		DATE OF SAMPLING	01/08/2022 TO 29	/08/2022	
		DATE OF RECEIPT	02/08/2022 20 30/08/2022 02/09/2022		
		DATE OF REPORT			
		DATE OF ANALYSIS	START:03/08/2022 #MD:02/09/20		
		SAMPLE DETAILS	and the set	Will a state	
MONITORING FOR	AMBIENT AIR QUALITY MONIFORING	CUSTOMER REF. NO. 4 DATE	VERHAL COMMUNICATION.		
SAMPLING LOCATION	ETF AREA, KONDKEL				
DUBATION OF SAMPLING 24 HOURS		SAMPLE COLLECTED BY	LABORATORY CHEMIST		
SAMPLING PROCEDORE	AS PER METHOD REFERENCE				
SAMPLE QUANTITY/FACKING	FILTER PAPER (PMLs): 1X1 SO2: 30MLX1 NO. FVC BOTT RUBBER BLADDER: 1X1 NO.				

Test Method and NAAQM Standard for Ambient Air Quality Monitoring					
Parameter	Method Reference	NAAQM Standard			
Particulate Matter size less than 10 microns (PM10)	15 5182 (Part 23): 2006 & CPC5 Guidelines VolI	100			
Particulate Matter size less than 2.5 microns (PM _{2.3})	15 5182 (Part 24): 2019 CPCBGuidelines VolI	60			
Sulphur Dioxide (SO _T)	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol1	80			
Nitrogen Dioxide (NO2)	IS 5182 (Part 6): 2006 & CPCB Guidelines VolI	80			
Carbon Monoxide (CO)*	IS 5182(Part 10):1999, RA 2003	4.0			
Mercury (Hg)	EPA Method 10-5				

TEST REPORT								
Date of Sampling	ΡΜ10 μg/m ³	PM _{2.5} μg/m ³	SO ₂ μg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³		
01.08.2022	58	22	1.0	20	0.6	N.D.		
04.08.2022	54	24	0.8	24	8.0	N.D.		
08.08.2022	60	28	16	28	0.2	N.D.		
16.08.2022	5.4	22	1.4	22	0.9	N.D.		
18.08.2022	62	38	12	28	0.4	N.D.		
22.08.2022	54	24	10	2.4	0.5	N.D.		
25.08.2022	60	30	14	26	0.2	N.D.		
29.08.2022	58	36	1.8	22	0.7	N.D.		

Terms & conditions
Terms & conditions
Terms are conditions
Terms are an investment or an investment of the production
Terms are and the production of the second terms are and the production
Terms are and the production of the second terms are and the production
Terms are an investment of the second terms are an investment of the production
Terms are an investment of the second terms are an investment of the production
Terms are an investment of the second terms are an investment of the production
Terms are an investment of the second terms are an investment of the production
Terms are an investment of the second terms are an investment of the production
Terms are an investment of the second terms are an investment of the production
Terms are an investment of the second terms are an investment of the production
Terms are an investment of the second terms are an investment of the production
Terms are an investment of the second terms are an investment of the production
Terms are an investment of the second terms are an investment of the production
Terms are an investment of the second terms are an investment of the production
Terms are an investment of the second terms are an investment of the production
Terms are an investment of the second terms are an investment of the production
Terms are an investment of the

1.0	These in the exclusion are the party have asked for above textful andy.

	自行人入自行	For ULTIMATE ENVIROLYTICAL SOLUTION
Stere the		TH
02/03/22	and a start of	02/09/22
REVIEWED BY		AUTHORIZED SIGNATORY

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

ANTING AND AND THAT THAT THAT TANK AND AND AND THAT THAT THE PARTY



at two is to page of the two

Norme & Address OF The Continent TO, HINDALCO INDUSTRIES LIMITED, GARE PALMA - IV/5, MILUPARA U/G COAL MINE,VILLAGE - MILUPARA, BLOCK-TAMNAR, DISTT RAIGARH (C.G.) 496107		REPORT NO	UES/TR/22-23/03296 UES/22-23/AAQM/08564-08571		
		DATE OF SAMPLING		etros degel president and	
			02/09/2022 to 26/09/2022 03/09/2022 to 27/09/2022 01/10/2022		
		DATE OF RECEIPT			
		DATE OF REPORT			
		DATE OF ANALYSIS	START:04/09/2022 END:01/10/20		
	1	SAMPLE DETAILS			
MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. 6 DATE	P.O.13552310212,DATED:07.09.2022		
SAMPLING LOCATION	ETP AREA, NONDREL				
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST	e .	
SAMPLING PROCEDURE	AS PER METHOD REFERENCE	1.000-001-0000-000-000-000-000-000-000-0			
SAMPLE QUANTITY/FACKING	FILTER PAFER (PM10): IXI SO1: JOHLAI NO. PVC BOTT BURBER BLADDER: IXI NO.				

Parameter	Method Reference	NAAQM Standard
Particulate Matter size less then 10 microns (PMin)	IS 5182 (Part 23): 2006 & CPCB Guidelines VolI	100
Particulate Matter size less than 2.5 microns (PM _{1.3})	IS 5182 (Part 24): 2019 CPCB Guidelines VolI	60
Sulphur Dioxide (SO ₂)	IS 5192 (Part 2): 2001, HA 2006 & CPCB Guidelines Vol1	80
Nitrogen Dioxide (NO ₂)	15 5182 (Part 6); 2006 & CPCB Guidelines VolI	80
Carbon Monoxide (CO).*	TB 5192(Fart 10):1999, RA 2003	A.G
Mercury (Hu)	EPA Method IO-5	

TEST REPORT							
Date of Sampling	РМ ₁₀ µg/m ³	PM _{2.5} μg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³	
02.09.2022	52	26	12	26	0.8	N.D.	
05.09.2022	58	28	0.9	22	0.4	N.D.	
09.09.2022	50	21	14	24	0.6	N.D.	
12.09.2022	56	28	12	26	0.8	N.D.	
16.09.2022	60	32	18	20	0.2	N.D.	
19.09.2022	58	23	12	28	0.8	N.D.	
23.09,2022	52	28	16	22	0.4	N.D.	
26.09.2022	56	2.4	14	24	0.6	N.D.	

Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected

Terms & conditions

Bell

01/10/22 REVIEWED BY

The input for particulation, arbitration or or in fear eargest with his insulator for 13 share after

(25)

For ULTIMATE ENVIROLYPICAL SOLUTIONS AUTHORIZED SIGNATORY CC

M

-End of the test report.....



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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

Name & Address Of The Conton TO.		REPORT	NO	UES/TR/22-2	3/035	51
HINDALCO INDUSTRIES LIMITED, GARE PALMA - IV/4, COAL MINE, VILLAGE - BANKHETA, POST -MILUPARA, DISTT RAIGARH (C.G.) 496107		DATE OF SAMPLING 04/0 DATE OF RECEIPT 05/0 DATE OF REPORT 02/0		UES/22-23/AAQM/0393-400		
				04/04/2022	to 25	/04/2022
				05/04/2022 to 30/04/2022 02/05/2022		
					Contract of Contract	SAMPLE I
MONITORING FOR	AMBIENT AIR QUALITY	MONITORING	CUSTOMER RE	F. NO. & DATE		/SRV/2122/0045, 24-JULY-2021
SAMPLING LOCATION	OFFICE AREA, BANJIRS	IOL				
DURATION OF SAMPLING	24 HOURS	SAMPLE	COLLECTED BY	LABORATORY CH	OMTS1	,
SAMPLING PROCEDURE	AS PER METHOD REFERE	INCE	and an	the same and the		
SAMPLE QUARTITY/PACKING	FILTER PAPER (PM ₁₃): SO ₂ : 30MLX1 NO. PVC RUBBER BLADDER: 1X1	BOTTLE, NG2: 3				

Test Method and N	AAQM Standard for Ambient Air Quality Monitor	or Ambient Air Quality Monitoring					
Parameter	Method Reference	NAAQM					
Particulate Matter size less than 10 microns (PM ₁₀)	IS 5182 (Part 23); 2006 & CPCB Guideilnes VolI	100					
Particulate Matter size less than 2.5 microns (PM _{2.5})	15 5182 (Part 24): 2019, CPCB Guidelines VolI	60					
Sulphur Dioxide (80 ₂)	IS 5182 (Part 2): 2001, BA 2006 & CPCB Guidelines VolI	80					
Nitrogen Dioxide (NO2)	IS 5182 (Part 6): 2006 6 CPCB Guidelines VolI	80					
Carbon Monoxide (CO)*	IS 5182(Part 10):1999, RA 2003	4.0					
Mercury (Hg)	EPA Method IO-5						

TEST REPORT								
Date of Sampling	ΡM ₁₀ μg/m ³	РМ _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³		
04.04.2022	86	24	14	38	0.9	N.D.		
08.04.2022	62	28	12	26	0.8	N.D.		
11.04.2022	74	24	16	22	0.6	N.D.		
15.04.2022	82	36	10	28	0.4	N.D.		
18.04.2022	74	32	12	22	0.8	N.D.		
22.04.2022	68	38	18	26	0.4	N.D.		
25.04.2022	60	34	12	24	0.6	N.D.		
29.04.2022	60	28	14	28	0.4	N.D.		

Terms & conditions

e 16 alup ior of South

For ULTIMATE ENVIROLYTICAL SOLUTIONS 02/05/22 hh $(\cdot \cdot \cdot)$ REVIEWED BY AUTHORIZED SIGNATORY

End of the test report-



.

5

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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

Nome & Address Of The Casterner TO,		REPORT NO		UES/TR/22~23/0986		
		LAB REP	NO	UES/22-23/AJ	AQM/O	1712-01719
HINDALCO INDUST		DATE OF	SAMPLING	02/05/2022 t	to 27	/05/2022
GARE PALMA - IV/	6.0.000.0	DATE OF	RECEIPT	03/05/2022 1	to 28	/05/2022
VILLAGE – BANKHETA, POST -MILUPARA, DISTT RAIGARH (C.G.) 496107		DATE OF	DATE OF REPORT			
		DATE OF ANALYSIS		START: 04/05/2022		END: 31/05/202
and we have a second second		SAMPLE I	ETAILS		1	A STATISTICS
MONITORING FOR	AMBIENT AIR QUALITY	MONITORING	CUSTOMER RE	F. NO. & DATE		/SRV/2122/0045, 24-JULY-2021
SAMPLING LOCATION	OFFICE AREA, BANJIRH	0L				
DURATION OF SAMPLING	24 HOURS	SAMPLE	COLLECTED BY	Y LABORATORY CHEMIST		
SAMPLING PROCEDURE	AS PER METHOD REFEREN	NCB		I CONTRACTOR INCOMENCIES	10000	44
SAMPLE QUANTITY/PACKING	FILTER PAPER (PMIN): SON: JOHLXI NO. PVC E RUBBER BLADDER: 1X1 1	NOTTLE, NO: 3				

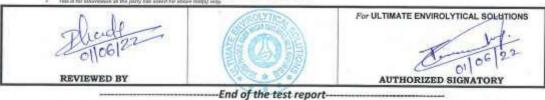
Test Method and N	AAQM Standard for Ambient Air Quality Monito	nbient Air Quality Monitoring					
Parameter	Method Reference	NAAQM					
Particulate Matter size less than 10 microns (PM _{1b})	IS 5182 (Part 23): 2006 & CPCB Guidelines VolI	100					
Particulate Matter size less than 2.5 microns (PM2.5)	IS 5182 (Part 24): 2019 CPCB Guidelines VolI	60					
Sulphur Dioxide (SO ₂)	IS 5182 (Part 2); 2001, RA 2006 6 CPCB Guidelines VolI	80					
Nitrogen Dioxide (NO ₂)	IS 5182 (Part 6): 2006 & CPCB Guidelines VolI	80					
Carbon Monoxide (CO)*	IS 5182(Part 10):1999, RA 2003	4.0					
Mercury (Hg)	EPA Method IO-5						

TEST REPORT									
Date of Sampling	РМ ₁₀ µg/m ³	ΡM _{2.5} μg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³			
02.05.2022	78	22	12	28	0.7	N.D.			
06.05.2022	88	26	10	26	0.5	N.D.			
09.05.2022	82	28	18	22	0.9	N.D.			
13.05.2022	86	30	12	20	0.6	N.D.			
16.05.2022	72	38	10	24	0.2	N.D.			
20.05.2022	76	32	08	28	0.8	N.D.			
23.05.2022	86	38	16	22	0.5	N.D.			
27.05.2022	82	34	12	26	0.6	N.D.			

Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected

Terms & conditions

The report for publication, addendars or as legal aligned aligned in factolidate.
 The cample will be relatively for 10 days after basis of first report addens otherwise agreed after campions.
 The cample of the relatively for aligned for above temps.





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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

Nome & Address Of The Customer TO, HINDALCO INDUSTRIES LIMITED,		REPORT NO		UES/TR/22-23/01966		
		LAB REP	NO	UES/22-23/AAQM/02323-02330		
GARE PALMA - IV/4		DATE OF	SAMPLING	03/06/2022	to 27	/06/2022
		DATE OF	RECEIPT	04/06/2022	to 28	/06/2022
VILLAGE – BANKHETA, POST -MILUPARA, DISTT RAIGARH (C.G.) 496107		DATE OF	REPORT	01/07/2022		
		DATE OF ANALYSIS		START: 05/06/2022		END: 30/06/2022
		SAMPLE I	ETAILS	111111		CHEST CONTRACTOR
MONITORING FOR	AMBIENT AIR QUALITY I	HONITORING	CUSTOMER AR	F. NO. & DATE		/SRV/2122/0045, 24-JULY-2021
SAMPLING LOCATION	OFFICE AREA, BANJIKH	0£			wither .	£4-0021-2021
DURATION OF SAMPLING	24 MOURS	SAMPLE	COLLECTED BY	LABORATORY CH	EMIST	
SAMPLING PROCEDURE	AS PER METHOD REFEREN	NCE	Perminentarin Petr	100000000000000000000000000000000000000	1000152	
SAMPLE QUANTITY/PACKING	FILTER PAPER (PMic): SO2: 30HLX1 NO. PVC B RUBBER BLADDER: 1X1)	OTTLE, NO1: 31				

Test Method and N	AAQM Standard for Ambient Air Quality Monito	for Ambient Air Quality Monitoring					
Parameter	Method Reference	NAAQM Standard					
Particulate Matter size less than 10 microns (PM ₁₀)	IS 5182 (Part 23): 2006 & CPCB Guidelines VolI	100					
Particulate Matter size less than 2.5 microns (PM _{2.5})	IS 5182 (Part 24): 2019 CPCB Guidelines VolI	60					
Solphur Dioxide (SO2)	IS 5182 (Part 2): 2001, BA 2006 & CPCB Guidelines VolI	BO					
Nitrogen Dioxide (NO2)	15 5182 (Part 6): 2006 & CPCB Guidelines Vol1	BÜ					
Carbon Monoxide (CO)*	IS 5182(Fart 10):1999, RA 2003	4.0					
Mercury (Hg)	EPA Method 10-5						

TEST REPORT									
Date of Sampling	ΡM ₁₀ μg/m ³	ΡM _{2.5} μg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m			
03,06,2022	68	28	10	24	0.5	N.D.			
06.06.2022	70	36	16	28	0.2	N.D.			
10.06.2022	78	22	12	22	0.6	N.D.			
13.06.2022	72	30	10	28	0.4	N.D.			
17.06.2022	66	32	14	20	0.8	N.D.			
22.06.2022	68	28	18	26	0.2	N.D.			
24.06.2022	72	34	12	24	0.8	N.D.			
27.06.2022	78	38	14	28	0.4	N.D.			

Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected

Terms & conditions

- The twent for publication, arbitration or as legal dispute in horizone.
 Test sample with the schemer for 11 days after tasks of soil square aspects.
- This is the information as the party that asked for above method and/or asked and and and a second se



AN ISO : 9001:20157180: 1400 120957180 45001 2018 CERTIFIED LABORATORY



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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

Name & Address Of The Custome TO,		REPORT NO		UES/TR/22-23/01801		
		LAB REP	NO	UES/22-23/AAQM/03609-03616		
HINDALCO INDUST		DATE OF	SAMPLING	04/07/2022	to 28	/07/2022
GARE PALMA - IV/4, COAL MINE, VILLAGE - BANKHETA, POST -MILUPARA, DISTT RAIGARH (C.G.) 496107		DATE OF	RECEIPT	05/07/2022	to 29	/07/2022
		DATE OF	REPORT	01/08/2022		
		DATE OF AMALYSIS		START: 06/07/2022		END: 01/08/2022
((D)	SAMPLE I	ETAILS			and the second
MONITORING POR	AMBLENT AIR QUALITY	MONITORING	CUSTCHER JE	F. NO. & DATE		/SRV/2122/0045, 24-JULY-2021
SAMPLING LOCATION	OFFICE AREA, BARJIRO	102	1.20006.0.0001			
DURATION OF SAMPLING	24 HOURS	SAMPLE	COLLECTED BY	LABORATORY CR	mist	<u>.</u>
SAMPLING PROCEDURE	AS PER METHOD REFERE	WCE .		1		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM;s); SO;: 30MLX1 NO. FVC I RUDDER BLADDER; 1X1	BOTTLE, NO2: 3				

Test Method and N	AAQM Standard for Ambient Air Quality Monito	ring
Parameter	Method Reference	NAAQM Standard
Particulate Matter size less than 10 microns (PMns)	IS 5182 (Part 23): 2006 & CPCB Guidelines VolI	100
Particulate Matter size less than 2.5 microns (PM2.5)	IS 5182 (Part 24): 2019 CPCB Guidelines Vol1	60
Sulphur Dioxide (50)	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines VolI	80
Nitrogen Dioxide (NO ₂)	IS 5182 (Part 6): 2006 & CPCB Guidelines VolI	EO
Carbon Monoxide (CO)*	IS 5182(Part 10):1999, BA 2003	4.0
Mercury (Hg)	EPA Method IO-5	

TEST REPORT									
Date of Sampling	ΡΜ10 μg/m ³	ΡM _{2.5} μg/m ³	SO2 µg/m ³	NO2 µg/m ³	CO* mg/m ³	Hg ng/m			
04.07.2022	64	24	12	22	0.7	N.D.			
07.07.2022	68	32	14	24	0.5	N.D.			
11.07.2022	72	2.6	10	22	0.2	N.D.			
15.07.2022	70	38	15	26	0.4	N.D.			
19.07.2022	64	30	12	22	0.5	N.D.			
21.07.2022	62	26	18	28	0.2	N.D.			
25.07.2022	7.8	30	14	22	0.4	N.D.			
28.07.2022	72	32	12	26	0.9	N.D.			

Terms & conditions

- The report for public chain, advictation or as tipal dispose in facilitation free sample will be reasoned for 11 data after inter of real report and 106 in the influenzation as the party has active the advice centry and



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



Mante & Addinase Of The Castomae TO, HINDALCO INDUSTRIES LIMITED, GARE PALMA – IV/4, COAL MINE, VILLAGE – BANKHETA, POST - MILUPARA, DISTT RAIGARH (C.G.) 496107		DATE OF	LAB REF NO LAB REF NO DATE OF SAMPLING DATE OF RECEIPT DATE OF REPORT		UE5/TR/22-23/02816 UE5/22-23/AAQM/07844-07851 01/08/2022 to 29/08/2022 02/08/2022 to 30/08/2022 02/09/2022		
		DATE OF ANALYSIS SAMPLE DETAILS		START: 03/08/2022 END: 02/09/2		END:02/09/2022	
HONITONING PON	AMBIENT ALE QUALITY	MUNITORING	CUSTONER RE	F. NO. & DATE	VENE	SAL COMMINICATION	
SAMPLING LOCATION	OFFICE AREA, BABAILKIN	σz					
DURATION OF SAMPLING	24 HOURS	SAMPLE C	LABORATORY CHEMIST				
SAMPLING PROCEDURE	AS PER METHOD REFEREN	NCE					
Sample Quantity/Packing	FILTER FAPER (PHIC): 802: JOHLX1 NO. PVC I RUEBER BLADDER: IXI	ROTTLE, MO ₂ : 30					

Parameter	Method Reference	NAAQM Standard	
Particulate Matter size less than 10 microns (PMge)	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol1	1.00	
Perticulate Matter size less than 2.5 microns (FM0.1)	IS 5182 (Part 24); 2019 CPCB Guidelines Vol1	60	
Sulphur Dioxide (SO _D)	15 5182 (Part 2): 2001, BA 2006 & CPC8 Guidelines VolI	80	
Nitrogen Dioxide (NOg)	13 5152 (Part 6): 2006 & CPCB Guidelines Vol1	80	
Carbon Monoxide (CO)*	IS 5182(Part 10);1999, RA 2003	đ,0	
Mercury (Hg)	EPA Method 10-5	++	

TEST REPORT									
Date of Sampling	ΡM ₁₀ μg/m ³	ΡM _{2.5} μg/m ³	SO ₂ µg/m ³	NO2 µg/m ³	CO* mg/m ³	Hg ng/m ³			
01.08,2022	58	28	10	22	0.5	N.D.			
04.08.2022	68	20	14	28	0.8	N.D.			
08.08.2022	52	26	12	24	0.2	N.D.			
16.08.2022	56	20	18	20	0.9	N.D.			
18.08.2022	62	22	14	26	0.2	N.D.			
22.08.2022	56	22	08	22	0.5	N.D.			
25.08.2022	56	26	16	28	0.2	N.D.			
29.08.2022	62	24	10	24	0.6	N.D.			

Terms & conditions

EFITIES & CONDITIONS
 The spectration of the pathodese in a single abuse in technice
 The same of the stability of the days of the same of the report index determined applied and support
 This is the index days of the pathodese in the path and advected to give a stability of the stability of the same of the stability of the stability of the same of the same

and tokan	AND AND AND	For ULTIMATE ENVIROLYTICAL SOLUTIONS
File-		14
15/09/22		T
		02 09 22
REVIEWED BY		AUTHORIZED SIGNATORY

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

AN ICO - 0001-2016 LICO- 14001-2016 LICO 46001-2018 CEDTICICO I ADODATODY



CONTRACTOR CONTRACTOR

TO, HINDALCO INDUSTRIES LIMITED, GARE PALMA - IV/4, COAL MINE, VILLAGE - BANKHETA, POST -MILUPARA, DISTT RAIGARH (C.G.) 496107		191221240	LAB REF NO		UES/TE/22-23/03276 UES/22-23/AAQM/08468-08475			
		DATE OF	SAMPLING .	02/09/2022	to 26	/09/2022		
		DATE OF	RECEIPT	03/09/2022	to 27	/09/2022		
		DATE OF	DATE OF REPORT		01/10/2022			
		DATE OF ANALYSIS		START: 04/09/2022		END: 01/10/2022		
		SAMPLE I	DETAILS	-	-			
MONITORING FOR	AMBINNY ALM QUALITY	MONITORING	CUSTOMER RE	IF. NO. & DATE	P.O.	13552310211, DATED: 07.09		
SAMPLING LOCATION	OFFICE AREA, BANJIRS	105	1.1.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4	Constanting and the second sec	16976			
DURATION OF SAMPLING	24 HOORS	SAMPLE	COLLECTED BY	LABORATORY CH	EMIRT			
SAMPLING PROCEDURE	AS PER METROD REFERE	WCME						
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM ₁₀): SO ₂ : 30MLX1 RO, PVC 1 RUBBER BLADDER: 1X1	BOTTLE, NO1: 3	ER PAPER (PM; OMLXI NO. PVC	a): JXI NO. BOTTLE				

Test Method and NAAQM Standard for Ambient Air Quality Monitoring						
Parameter	Method Reference	NAAQM				
Farticulate Matter size leas than 10 microns (PM ₁₀)	IS 5182 (Part 23); 2006 & CPCB Guidelines VolI	100				
Farticulate Matter size less than 2.5 microna (PM _{2.6})	IS 5182 (Part 24): 2019 CPCE Guidelines Vol1	60				
Sulphur Dioxide (SO ₂)	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines VolI	80				
Nitrogen Dioxide (NO2)	15 5182 (Fart 6): 2006 & CPCB Guidelines VolI	80				
Carbon Monoxide (CO)* Mercury (Hg)	IS 5182(Part 10):1999, RA 2003 EPA Method IO-5	4.0				

TEST REPORT									
Date of Sampling	ΡM ₁₀ μg/m ³	РМ _{2.5} µg/m ³	SO ₂ µg/m ³	NO2 µg/m ³	CO* mg/m ³	Hg ng/m ³			
02.09.2022	50	22	14	26	0.9	N.D.			
05.09.2022	60	24	10	24	0.5	N.D.			
09.09.2022	56	28	18	28	0.7	N.D.			
12.09.2022	52	22	12	20	0.2	N.D.			
16.09.2022	60	26	16	24	0.9	N.D.			
19.09.2022	54	20	09	28	0.5	N.D.			
23.09.2022	50	28	12	22	0.2	N.D.			
26.09.2022	62	22	14	28	0.8	N.D.			

Terms & conditions

- Mermann for publication, antenament at an input dispose a to-to-balant.
- Not surger will be resulted for 11 objective asses of boat ment when advance against a 753, is for tritomanor as the serve bat lateral for above ment and.





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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

Henne & Address Of The Contenner TO,			ORT NO	UES/TR/22-23/0352 UES/22-23/AAOM/0401-408				
HINDALCO INDUST	DATE OF SAMPLING DATE OF RECEIPT				7.2	/04/2022		
GARE PALMA - IV/4				05/04/2022 to 30/04/2022				
VILLAGE – BANKHETA, POST -MILUPARA, DISTT RAIGARH (C.G.) 496107		DATE OF REPORT DATE OF ANALYSIS		02/05/2022			6.50.50.777 ⁷	
				START: 05/04/2022		END: 02/05/2022		
		SAMPLE	DETAILS					
MONITORING FOR	AMBIENT AIR QUALITY MONI	TORING	CUSTOMER REF.	REF. NO. & DATE			N/PO/SRV/2122/0045, DTD. 24-JULY-2021	
SAMPLING LOCATION	ETP AREA, BANJIKHOL					- 230	. 44-0061-2021	
DURATION OF SAMPLING	24 MOURS	SAMPLE COLLECTED 2			BY LABORATORY CHEMIST			
SAMPLING PROCEDURE	AS PER METHOD REFERENCE							
SAMPLE QUANTITY/PACKING	FILTER FAPER (PM ₁₀): 1X1 SO ₂ : 30MLX1 NO. PVC BOTT RUBBER BLADDER: 1X1 NO.							

Parameter	Method Reference	NAAQM
Particulate Matter size less than 10 microns (PM ₁₀)	IS 5182 (Part 23): 2006 & CPCB Guidelines VolI	100
Farticulate Matter size less than 2.5 microns (PM2.3)	IS 5182 (Part 24): 2019 CPCB Guidelines VolI	60
Sulphur Dioxide (SO ₂)	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines VolI	BO
Nitrogen Dioxide (NO ₂)	IS 5182 (Part 6): 2006 & CPCB Guidelines VolI	80
Carbon Monoxide (CO)*	IS 5182(Part 10):1999, BA 2003	4.0
Mercury (Hg)	EPA Method 10-5	

TEST REPORT									
Date of Sampling	ΡΜ ₁₀ μg/m ³	ΡM _{2.5} μg/m ³	SO ₂ μg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³			
04.04.2022	72	38	12	20	0.4	N.D.			
08.04.2022	68	.30	10	24	0.2	N.D.			
11.04.2022	76	34	16	22	0.8	N.D.			
15.04.2022	68	38	12	25	0.6	N.D.			
18.04.2022	80	28	18	20	0.2	N.D.			
22.04.2022	76	4.4	12	28	0.7	N.D.			
25.04.2022	68	36	10	22	0.5	N.D.			
29.04.2022	82	42	14	26	0.2	N.D.			

Terms & conditions

The part of a contractions

 Test accepts will be retened for 15 days after insure of test report solves adversely agreed with current Test to for information on the party has solved by above multiplication.



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



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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

Hame # Address Of The Contes	Hame & Address Of The Contensor TO.			UES/TR/22-23/0987			
	LA	B REF NO	UES	8/22-23/AAQ	м/о	1720-01727	
HINDALCO INDUSTRIES LIMITED, GARE PALMA - IV/4, COAL MINE,			TH OF SAMPLING	02/	/05/2022 to	27	/05/2022
			TE OF RECEIPT	03/	/05/2022 to	28	/05/2022
VILLAGE - BANKHETA, POST -MILUPARA, DISTT RAIGARH (C.G.) 496107		DA	DATE OF REPORT		01/06/2022		
		DATE OF ANALYSIS		START: 04/05/2022		22	END: 31/05/2022
		SAMPLE	DETAILS				
MONITORING FOR	AMBIENT AIR QUALITY H	INTERING	CUSTOMER REF.	TOMER REF. NO. # DATE		N/DO/SRV/2122/0045, DTD. 24-JULY-2021	
SAMPLING LOCATION	ETP AREA, BANJIKROL						
DURATION OF SAMPLING	24 HOURS	SA	SAMPLE COLLECTED I		BY LABORATORY CH		MIST
SAMPLING PROCEDURE	AS PER METHOD REFEREN	CE .					
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM10): 3 SO2: 30MLX1 NO. PVC BU RUBBER BLADDER: 1X1 N	OTTLE, NO2:					

Test Method and NAAQM Standard for Ambient Air Quality Monitoring							
Parameter	Method Reference	NAAQM Standard					
Particulate Matter size less than 10 microns (PM10)	IS 5182 (Part 23): 2006 & CPCB Guidelines VolI	100					
Particulate Matter size less than 2.5 microns (PM2.3)	IS 5182 (Part 24): 2019 CPCB Guidelines VolI	60					
Sulphur Dioxide (SO ₂)	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines VolI	80					
Nitrogen Dioxide (NO ₂)	IS 5182 (Part 6): 2006 & CPCB Guidelines VolI	80					
Carbon Monoxide (CO)*	IS 5182(Part 10):1999, RA 2003	4.0					
Mercury (Hg)	EPA Method IO-5	22					

TEST REPORT									
Date of Sampling	ΡM ₁₀ μg/m ³	ΡM _{2.5} μg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³			
02.05.2022	86	30	10	28	0.9	N.D.			
06.05.2022	76	36	14	26	0.8	N.D.			
09.05.2022	72	28	18	20	0.2	N.D.			
13.05.2022	78	34	10	28	0.6	N.D.			
16.05.2022	82	38	16	26	0.8	N.D.			
20.05.2022	78	42	10	20	0.2	N.D.			
23.05.2022	76	30	08	24	0.5	N.D.			
27.05.2022	80	48	12	28	0.8	N.D.			

Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected

Terms & conditions

First report for particulary, infloritoria is an eigen integrant of rotabalawa.
 Test sample will be inflored her 18-baye after bases of listi report unhan athennike agreed with castalawae.
 This is for inflored her athen part has adved for above beauto only.





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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

Name & Address Of The Customer TO, HINDALCO INDUSTRIES LIMITED, GARE PALMA - IV/4, COAL MINE, VILLAGE - BANKHETA, POST -MILUPARA, DISTT RAIGARH (C.G.) 496107		RE	REPORT NO		UES/TR/22-23/01967 UES/22-23/AAQM/02331-02338			
		LA						
		DA:	TE OF SAMPLING	03,	/06/2022 to	27/06/2022		
		DA	DATE OF RECEIPT DATE OF REPORT		/06/2022 to	28/06/2022		
		DA			01/07/2022			
		DATE OF ARALYSIS		START: 05/06/2022		END: 30/06/2022		
	and a state of the	SAMPLE	DETAILS			Contraction of the		
MONITORING FOR	AMBIENT AIR QUALITY N	CONITORING	CUSTOMER REF.	NO. & DATE		N/PO/SRV/2122/0045, DTD. 24-JULY-2021		
SAMPLING LOCATION	ETP AREA, BANJIKNOL				115			
DURATION OF SAMPLING	24 HOURS	SAU	PLE COLLECTED 1	BY LABORATORY CH		CHEMIST		
SAMPLING PROCEDURE	AS PER METHOD REFEREN	ICE.						
SAMPLE QUANTITY/PACKING	FILTER PAPER (FM10): SO2: JOMLX1 NO. FVC B RUBBER BLADDER: 1X1 M	OTTLE, NO2:						

Test Method and NAAQM Standard for Ambient Air Quality Monitoring						
Parameter	Method Reference	NAAQM				
Particulate Matter size less than 10 microns (PM _{1b})	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol1	100				
Particulate Matter size less than 2.5 microns (PM2.5)	IS 5162 (Part 24): 2019 CPCB Guidelines VolI	60				
Sulphur Dioxide (SO2)	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines VolI	60				
Nitrogen Dioxide (NO2)	IS 5182 (Part 6): 2006 & CPCB Guidelines VolI	80				
Carbon Monoxide (CO)*	IS 5182(Part 10):1999, BA 2003	4.20				
Mercury (Hg)	EPA Method 10-5					

TEST REPORT									
Date of Sampling	ΡΜ ₁₀ μg/m ³	ΡM _{2.5} μg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³			
03.06.2022	76	24	16	28	0.4	N.D.			
06.06.2022	70	32	10	22	0.2	N.D.			
10.06.2022	68	28	1.4	28	0.8	N.D.			
13.06.2022	7.4	32	18	20	0.2	N.D.			
17.06.2022	80	34	12	26	0.6	N.D.			
22.06.2022	76	40	14	22	0.7	N.D.			
24.06.2022	72	36	08	28	0.4	N.D.			
27.06.2022	88	44	10	24	0.8	N.D.			

Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected

Terms & conditions

- The report for publication, adversarian or at legal dispute or distubilies

10 For ULTIMATE ENVIROLYTICAL SOLUTIONS 110 0107/22 REVIEWED BY AUTHORIZED SIGNATORY

AN ISO : 9001:2015 7 ISO: 1400 F 2095 + 1505 45999 12018 CERTIFIED LABORATORY



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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

Name & Address Of the Castomat TO,		1.200.00	ON TRO	UES/TR/22-23/01802				
HINDALCO INDUST	RIESLIMITED	LAJ	a area, wo	UES	3/22-23/AAQ	4/0	3617-03624	
GARE PALMA - IV/4		DAS	TE OF SAMPLING	04/	07/2022 to	28	/07/2022	
		1541	TE OF RECEIPT	05/	07/2022 to	29	/07/2022	
VILLAGE – BANKHETA, POST -MILUPARA,		DAT	DATE OF REPORT DATE OF ANALYSIS		01/08/2022			
DISTT RAIGARH	DA	START:06/07/2022			END: 01/06/2022			
A CONTRACTOR		SAMPLE	DETAILS				10	
MONITORING FOR	AMBIENT AIR QUALITY HO	WITCHING	RING CUSTOMER REF. NO. 4 DATE			N/PO/SEV/2122/0045, DTD. 24-JULY-2021		
SAMPLING LOCATION	ETP AREA, BANJIRHOL							
DURATION OF SAMPLING	24 HOURS	SAI	PLE COLLECTED 8	BY LABORATORY CHEM			DIST	
SAMPLING PROCEDURE	AS PER METROD REFERENCE	x.						
SAMPLE QUANTITY/PACKING	FILTER FAPER (PM ₁₀) 12 SO ₂ 30HLX1 NO. PVC BO RUBBER BLADDER: 1X1 NO	TTLE, NO2:						

Parameter	Method Reference	NAAQM Standard
Particulate Matter size less than 10 microns (PM10)	IS 5182 (Part 23): 2006 & CPCB Guidelines VolT	100
Particulate Matter size less then 2.5 microns (PMr.s)	IS 5182 (Fart 24): 2019 CPCB Guidelines VolI	60
Sulphur Dioxide (80g)	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol1	80
Nitrogen Dioxide (NO ₂)	15 5182 (Part 6): 2006 6 CPCB Guidelines Vol1	80
Carbon Monoxide (CO)*	15 5182(Part 10):1999, RA 2003	4.0
Mercury (Hg)	EPA Method IO-5	

TEST REPORT									
Date of Sampling	ΡΜ ₁₀ μg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ μg/m ³	CO* mg/m ³	Hg ng/m			
04.07.2022	70	28	11	26	0.6	N.D.			
07.07.2022	68	30	16	22	0.5	N.D.			
11,07,2022	62	24	12	24	0.9	N.D.			
15.07.2022	64	30	16	26	0.2	N.D.			
19.07.2022	76	30	10	2.0	0.7	N.D.			
21.07.2022	72	32	14	28	0.2	N.D.			
25.07.2022	70	38	08	24	0.8	N.D.			
28.07.2022	66	40	16	22	0.6	N.D.			

Terms & conditions

He report for publication, addition or as high disayor in Architek. Initi canipat with to-origined her (2) days after result of the part of particle information agreed with containee

 TAIL IS for information at the party has asked to 	radour ministrate	
	1 19 manueles	For ULTIMATE ENVIROLYTICAL SOLUTIONS
Secu.		- M
01/05/22		0108 22
REVIEWED BY		AUTHORIZED SIGNATORY

End of the test report---



Name & Address CF The Curtomer TO, HINDALCO INDUSTRIES LIMITED, GARE PALMA – IV/4, COAL MINE, VILLAGE – BANKHETA, POST -MILUPARA,		REPORT NO LAB REF NO DATE OF SAMPLING DATE OF RECEIPT DATE OF REPORT		UE5/TR/22-23/02817 UE5/22-23/AAQM/07852-07859 01/08/2022 to 29/08/2022 02/08/2022 to 30/08/2022 02/09/2022			
DISTT RAIGARH	Constant of the second s		T OF ANALYSIS	STA	RT: 03/08/2022		RND:02/09/2022
MONITORING FOR	ANDIENT AIR QUALITY MONT	FORING	CUSTOMER REF.	NO.	# DATE 1	aau	AL COMMENTICATION.
SAMPLING LOCATION	ETP AREA, BANJIRHOL		1				
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED			BY LABORATORY C		MIST
SAMPLING PROCEDURE	AS PER METHOD REFERENCE						
SAMPLE QUARTITY/PACKING	FILTER PAPER (PM ₁₀): 1X1 SO ₂ : 30HLX1 NO. FVC BOTTL RUBBER BLADDER: 1X1 NO.						

Parameter	Method Reference	NAAQM Standard
Particulate Matter size less than 10 microns (PMid)	18 5182 (Part 23): 2006 & CPCB Guidelines VolI	100
Particulate Matter size less than 2.5 microns (PM2.3)	IS 5182 (Part 24): 2019 CPCB Guidelines VolI	63
Sulphur Dioxide (SO ₁)	15 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol1	80
Nitrogen Dioxide (ND ₂)	IS 5182 (Part 6): 2006 & CPCB Guidelines VolI	80
Carbon Monoxide (CO)* Mercury (Hg)	IS 5162(Part 10):1999, RA 2003 EPA Method IO-5	4.0

TEST REPORT									
Date of Sampling	ΡΜ10 μg/m ³	ΡM _{2.5} μg/m ³	SO2 µg/m ³	NO2 µg/m ³	CO* mg/m ³	Hg ng/m ³			
01.08.2022	56	24	12	26	0.5	N.D.			
04.08.2022	56	26	10	22	0.6	N.D.			
08.08.2022	52	22	14	24	0.4	N.D.			
16.08.2022	58	28	12	28	0.8	N.D.			
18.08.2022	62	30	18	22	0.2	N.D.			
22.08.2022	68	22	12	24	0.5	N.D.			
25.08.2022	56	20	06	28	0.6	N.D.			
29.08.2022	60	28	14	22	0.2	N.D.			

Terms & conditions

	「「「「「「「「」」」	For ULTIMATE ENVIROLYTICAL SOLUTION
Fich	「「「「「」」	V.
02/05/21		0 103/22
REVIEWED BY		AUTHORIZED SIGNATORY

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

AN ICO - DOM-2016 LICO: 14001-2016 LICO 45001-2019 CEDTICIED I ADODATODY



TO, HINDALCO INDUSTRIES LIMITED, GARE PALMA - IV/4, COAL MINE, VILLAGE - BANKHETA, POST -MILUPARA,		LAI DAI DAI	REPORT NO LAB REF NO DATE OF SAMPLING DATE OF RECEIPT DATE OF RECEIPT		UES/TR/22-23/03277 UES/22-23/AAQH/08476-08483 02/09/2022 to 26/09/2022 03/09/2022 to 27/09/2022 01/10/2022				
DISTT RAIGARH	(C.G.) 496107	1,800	DETAILS	877	NRT:04/09/20	22	END:01/10/2022		
MONITORING POR	AMBIENT AIR QUALITY MON		CUSTOMER DEF.	NO.	e DATE		. 13552310211, DATED: 07 2022		
SAMPLING LOCATION	ETP AREA, BANJIKHOL						2015-000		
DURATION OF SAMPLING	24 HOUSS	SAH	SAMPLE COLLECTED BY LABORAT				TORY CHEMIST		
SAMPLING PROCEDURE	AS PER METWOD REPERSIONCE								
SAMPLE QUANTITY/PACKING	FILTER PAPER (PMLD): 171 SO2: 30HLX1 NO. PVC BOTT RUBBER SLADDER: 1X1 NO.	ZH, NO ₂ :							

Parameter	Method Reference	NAAQM Standard
Particulate Matter size less than 10 microns (PM ₁₃)	IB 518Z (Part 23): 2006 & CPCB Guidelines VolI	100
Particulate Matter size lene than 3.5 microns (PM _{0.5})	IS 5182 (Part 24): 2019 CPCB Guidelines VolI	60
Sulphur Dioxide (SO ₂)	IS 5187 (Part 2): 2001, RA 2006 & CPCH Guidelines VolI	80
Nitrogen Diexide (NO ₂)	IS 5182 (Part 6): 2006 & CPCB Guidelines VolI	(80)
Carbon Monoxide (CO)*	IB 5182(Part 10):1999, RA 2003	0.0
Mercury (Hg)	BPA Method IO-5	

TEST REPORT							
Date of Sampling	ΡM ₁₀ μg/m ³	ΡM _{2,5} μg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³	
02.09.2022	52	22	14	2.4	0.5	N.D.	
05.09.2022	50	24	12	20	0.2	N.D.	
09.09.2022	48	28	18	22	0.8	N.D.	
12.09.2022	56	22	16	26	0.4	N.D.	
16.09.2022	60	26	10	28	0.6	N.D.	
19.09.2022	64	28	1.4	22	0.8	N.D.	
23.09.2022	56	24	08	24	0.5	N.D.	
26.09.2022	62	22	12	28	0.2	N.D.	

Terms & conditions

The equate the maintenance, arbitrariles as an input dispose to the tamped with the version of the $10\,\rm{dust}$ with the second the $10\,\rm{dust}$ with the second the $10\,\rm{dust}$





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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

Name & Address Of The Course	118/7	REPORT NO LAB REF NO		UES/TR/22-23/0353 UES/22-23/AAQM/0409-416		
то,						
HINDALCO INDUSTRIES LIMITED, GARE PALMA – IV/4, COAL MINE, VILLAGE – BANKHETA, POST -MILUPARA, DISTT RAIGARH (C.G.) 496107		DATE OF SAMPLING DATE OF RECEIPT DATE OF REPORT DATE OF ANALYSIS		04/04/2022 to	> 29,	/04/2022
				05/04/2022 to 30/04/2022		
				02/05/2022 START:05/04/2022 END:02/05/202		
						END: 02/05/2022
		SAMPLE DE	TAILS			
MONITORING FOR	AMDIENT AIR QUALITY	MONITORING	CUSTOMER J	REF. NO. & DATE		0/SRV/2122/0045, 24-JULY-2021
SAMPLING LOCATION	OFFICE AREA, BANKHET	5A				
DURATION OF SAMPLING	24 HOURS	SAMPLE CO	LLECTED BY	LABORATORY CHE	HIST	
SAMPLING PROCEDURE	AS PER METHOD REFERENCE					
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM2s); IXI NO., FILTER PAPER (PM2s); IXI NO. SO2: JOMLXI NO. PVC BOTTLE, NO2: JOMLXI NO. PVC BOTTLE RUBBER BLADDER: IXI NO.					

Test Method and NAAQM Standard for Ambient Air Quality Monitoring						
Parameter	Method Reference	NAAQM Standard				
Particulate Matter size less than 10 microns (PM ₁₀)	IS 5182 (Part 23): 2006 & CPCB Guidelines VolI	100				
Particulate Matter size less than 2.5 microns (PM2.5)	IS 5182 (Part 24): 2019 CPCB Guidelines VolI	60				
Sulphur Dioxide (SO ₂)	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines VolI	80				
Nitrogen Dioxide (NO ₂)	IS 5182 (Part 6): 2006 & CPCB Guidelines VolI	80				
Carbon Monoxide (CO)*	IS 5182(Part 10):1999, RA 2003	4.0				
Mercury (Hg)	EPA Method IO-5					

TEST REPORT							
Date of Sampling	РМ ₁₀ µg/m ³	PM _{2.5} μg/m ³	SO ₂ µg/m ³	ΝΟ ₂ μg/m ³	CO* mg/m ³	Hg ng/m ³	
04.04.2022	78	38	10	26	0.7	N.D.	
08.04.2022	64	40	08	20	0.2	N.D.	
11.04.2022	70	30	18	28	0.6	N.D.	
15.04.2022	62	28	06	22	0.8	N.D.	
18.04.2022	84	33	14	28	0.4	N.D.	
22.04.2022	76	35	06	22	0.6	N.D.	
25.04.2022	67	30	10	34	0.9	N.D.	
29.04.2022	86	46	14	28	0.4	N.D.	

Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected

Terms & conditions

1

The equivary for publication, addition on an Augel dispute in Periods and Augel and Au

Con a	ROLYTICA	For ULTIMATE ENVIROLYTICAE SOLUTIONS
105122	Colorestant Colorestant	M
2/05/		005/05/22
REVIEWED BY		AUTHORIZED SIGNATORY



1

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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

Name & Address Of The Goston	hite .	REPORT M	D.	UES/TR/22-23	0988	3	
то,		LAB REF	NO	UES/22-23/AAQM/01728-01735			
HINDALCO INDUSTRIES LIMITED, GARE PALMA - IV/4, COAL MINE, VILLAGE - BANKHETA, POST -MILUPARA, DISTT RAIGARH (C.G.) 496107		DATE OF	DATE OF SAMPLING DATE OF RECEIPT DATE OF REPORT		02/05/2022 to 27/05/2022		
		DATE OF J			28/	/05/2022	
		DATE OF 1			01/06/2022		
		DATE OF ANALYSIS		START:04/05/2022		END: 31/05/2022	
		SAMPLE DE	TAILS				
MONITORING FOR	AMBIENT AIR QUALITY	MONITORING	CUSTOMER J	REF. NO. & DATE		0/SRV/2122/0045, . 24-JULY-2021	
SAMPLING LOCATION	OFFICE AREA, BANKHES	EA					
DURATION OF SAMPLING	24 HOURS	SAMPLE C	DILIECTED BY	LABORATORY CHE	MIST	2	
SAMPLING PROCEDURE	AS FER METHOD REFERENCE						
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM ₂₃): IXI HO., FILTER PAPER (PM _{2.5}): IXI HO. SOL: SOMLXI NO. PVC BOTTLE, NO ₂ : SOMLXI NO. PVC BOTTLE RUBBER BLADDER: IXI NO.						

Test Method and NAAQM Standard for Ambient Air Quality Monitoring							
Parameter	Method Reference	NAAQM Standard					
Particulate Matter size less than 10 microns (PM ₁₀)	IS 5192 (Part 23): 2006 & CPCB Guidelines VolI	100					
Farticulate Matter size less than 2.5 microns (PM2.5)	IS 5182 (Part 24): 2019 CPCB Guidelines VolI	60					
Sulphur Dioxide (SO ₂)	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines VolI	90					
Nitrogen Dioxide (NO ₂)	IS 5182 (Part 6): 2006 & CPCB Guidelines VolI	80					
Carbon Monoxide (CO)*	IS 5182(Part 10):1999, RA 2003	4.0 .					
Mercury (Hg)	EPA Method IO-5						

TEST REPORT							
Date of Sampling	ΡM ₁₀ μg/m ³	ΡM _{2.5} μg/m ³	SO ₂ µg/m³	ΝΟ ₂ μg/m ³	CO* mg/m ³	Hg ng/m ³	
02.05.2022	70	36	12	24	0.9	N.D.	
06.05.2022	68	44	16	28	0.6	N.D.	
09.05.2022	76 -	32	12	22	0.2	N.D.	
13.05.2022	67	26	08	26	0.8	N.D.	
16.05.2022	82	38	10	28	0.7	N.D.	
20.05.2022	78	32	08	22	0.5	N.D.	
23.05.2022	66	36	16	38	0.8	N.D.	
27,05.2022	82	40	18	26	0.6	N.D.	

Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected

1	erms &	conditions
	The minut had	autologius, arbitratios ar ag ins

RE

The empirities the publication, ecological or an ingel objects in the historia. This assesses will be rotatived for 15 steps after terms of food repair actor this to for deformation on the party loss wated for driven family units. an other special and publication

10 -	19/2-518	For ULTIMATE ENVIROLYTICAL SOLUTIONS
Juct 122	(新 (21) 第)	1 hot
01001	ELL SIE	Ce 10 = 22
VIEWED BY		AUTHORIZED SIGNATORY
	End of the text report	

End of the test report

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

Format No.:: UES/FORM/09

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

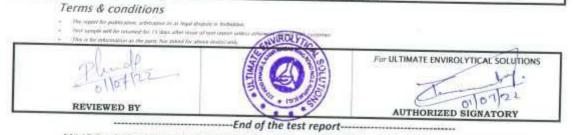
Name & Address DV The Custor	muy	REPORT N	0	UES/TR/22-23/01968			
HINDALCO INDUST	RIES LIMITED	LAB REF NO		UES/22-23/AAQM/02339-02346			
GARE PALMA - IV/4, COAL MINE, VILLAGE - BANKHETA, POST -MILUPARA, DISTT RAIGARH (C.G.) 496107		DATE OF	DATE OF SAMPLING			/06/2022	
		DATE OF RECEIPT DATE OF REPORT DATE OF ANALYSIS		04/06/2022 to			
				01/07/2022			
				START: 05/06/2022		END: 30/06/2022	
	E CERTER ST	SAMPLE D	ETAILS	Contraction of	-	State State State	
MONITORING FOR	AMBIENT AIR QUALITY	MONITORING	CUSTOMER 7	EF. NO. & DATE		0/SRV/2122/0045,	
SAMPLING LOCATION	OFFICE AREA, BANKRET	sa .			DTD	. 24-JULY-2021	
DUNATION OF SAMPLING	24 HOURS	SAMPLE O	OLLECTED BY	LABORATORY CHE			
SAMPLING PROCEDURE	AS FER METHOD REFERE			superent det CREP	anst		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM ₁₀): SO ₂ : JOMLX1 NO. PVC 1 RUBBER BLADDER: 1X1	POTTLE, NO: 30	R PAPER (PM; MLX1 NO, PVC	a): 1XI NO. BOTTLE			

Parameter	Method Reference	NAAQM	
Particulate Matter mize less than 10 microns (PM ₁₀)	IS 5182 (Pert 23): 2006 & CPCB Guidelines VolI	Standard 100	
Particulate Matter size less than 2.5 microns (PM _{2.6})	15 5182 (Part 24): 2019 CPCB Guidelines VolI	60	
Sulphur Dioxide (SO ₂)	18 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol -1	80	
Nitrogen Dioxide (NO ₂)	IS SI82 (Part 6): 2006 & CPCB Guidelines Vol1	BO	
Carbon Monoxide (CO)* Mercury (Hg)	I2 5182 (Part 10):1999, RA 2003 EPA Method IO-5	4.0	

TEST REPORT							
Date of Sampling	РМ ₁₀ µg/m ³	ΡM _{2.5} μg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³	
03.06.2022	74	38	16	28	0.6	10000000000	
06.06.2022	62	42	12	26	1017 -	N.D.	
10.06.2022	70	34	18		0.2	N.D.	
13.06.2022	60			20	0.4	N.D.	
Contract and an and a second sec		28	10	24	0.9	N.D.	
17.06.2022	76	-34	16	26	0.6	N.D.	
22.06.2022	72	30	0.8	28	0.2		
24:06.2022	68	36				N.D.	
27.06.2022		10. J	14	32	0.4	N.D.	
marks' * Duratio	74	42	12	24	0.7	N.D.	

Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected

Test Method and NAAOM Chande



AN ISO : 9001:2015 / ISO: 14001:2015 / ISO 45001:2018 CERTIFIED LABORATORY



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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

Name & Address Of The Contan	Tally	REPORT NO	UES/TR/22-23/01803 UES/22-23/AAQM/03625-03632		
то,	1212200171202221	LAB REF NO			
HINDALCO INDUST		DATE OF SAMPLING	04/07/2022 to 28	/07/2022	
GARE PALMA - IV/4, COAL MINE, VILLAGE - BANKHETA, POST -MILUPARA, DISTT RAIGARH (C.G.) 496107		DATE OF RECEIPT	05/07/2022 to 29	/07/2022	
		DATE OF REPORT	01/08/2022		
		DATE OF ANALYSIS	START:06/07/2022	END:01/08/2022	
A COL		SAMPLE DETAILS	a contra partico	1	
MONITORING FOR	AMBIENT AIR QUALITY	MONITORING CUSTOMER		0/BRV/2122/0045, 24-JULY-2021	
SAMPLING LOCATION	OFFICE AREA, BANKHET	А			
DUNATION OF SAMPLING	24 MOURS	SAMPLE COLLECTED BY	ABORATORY CHEMIST		
SAMPLING PROCEDURE	AS PER MOTIVO REFERE	MCE			
BANDLE QUANTITY/PACKING		<pre>IXI NO., FILTER PAPER (PM) BOTTLE, NO2: 30HLXI NO. PV NO</pre>			

Test Method and NAAQM Standard for Ambient Air Quality Monitoring				
Parameter	Method Reference	NAAQM Standard		
Particulate Matter size less than 10 microns (PMLe)	IS 5182 (Fart 23): 2006 & CPCB Guidelines VolI	100		
Particulate Matter size less than 2.5 micross (PM:s)	IS 5182 (Part 24): 2019 CPCB Guidelines Vol1	60		
Sulphur Dioxide (SO _f)	IS 5182 (Part 2): 2001, RA 2006 4 CPCB Guidelines Vol1	80		
Nitrogen Dioxide (NO ₂)	18 5182 (Part 6): 2006 & CPCB Guidelines VolI	80		
Carbon Monoxide (CO)* Mercury (Hg)	10 5182(Part 10):1999, RA 2003 EPA Method TO-5	4.0		

TEST REPORT								
Date of Sampling	ΡM ₁₀ μg/m ³	ΡM _{2.5} μg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³		
04.07.2022	60	32	14	22	0.5	N.D.		
07.07.2022	68	44	10	24	0.9	N.D.		
11.07.2022	62	38	16	26	0.2	N.D.		
15.07.2022	69	22	14	28	0.8	N.D.		
19.07.2022	72	36	12	22	0.6	N.D.		
21.07.2022	70	32	09	26	0.4	N.D.		
25.07.2022	66	38	16	30	0.8	N.D.		
28.07.2022	72	40	14	28	0.6	N.D.		

Terms & conditions

- The report for profileation, estimation or an legal idiquity is forbibly:
 Tota sample with a reacted So 11 days after size of their result and an and a strength of the reacted So 11 days after size of their results.

C42-11		For ULTIMATE ENVIROLYTICAL SOLUTIO
01/08/21		Terretal
REVIEWED BY	Contraction of the second	AUTHORIZED SIGNATORY





Hame & Address Of The Costos	го,		6	UE5/TR/22-23/02818 UE5/22-23/AAQM/07860-07867			
HINDALCO INDUST	RIES LIMITED,	LAB REF NO					
GARE PALMA – IV/4, COAL MINE, VILLAGE – BANKHETA, POST -MILUPARA, DISTT RAIGARH (C.G.) 496107		DATE OF SAMPLING DATE OF RECEIPT DATE OF REPORT DATE OF ANALYSIS		01/08/2022 to 29/	08/20	022	
				02/08/2022 to 30/08/2022			
				02/09/2022 START: 03/08/2022		END:02/09/2022	
MONITORING FOR	AMPLENT ALE QUALITY :	MUNITORING	CUSTCHOR P	REF. NO. 6 DATE	VER	BAL COMMUNICATION.	
SAMPLING LOCATION	OFFICE AREA, BANKINE	A					
DURATION OF SAMPLING	24 HOURS	SAMPLE C	SAMPLE COLLECTED BY LABORATORY CHEMIST		Q		
SAMPLING PROCEDURE	AF PER METHOD REFERE	NCE					
SAMPLE QUANTITT/PACKING	FILTER PAPER (PHic): SO2: SOMLXI NO. PVC I SUBBER BLADDER: IXI	ROTTLE, NO2: 301					

Parameter	Method Reference	NAAQM Standard	
Particulate Matter size less than 10 microns (PM ₁₀)	IS 5102 (Part 23): 2006 & CPCB Guidelines Vol1	100	
Particulate Matter size less than 2.5 microns (PM _{2.5})	IS 5182 (Part 24): 2019 CPCB Guidelines VolI	60	
Sulphur Dioxide (SO ₂)	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines VolI	80	
Nitrogen Dioxide (ND2)	IS 5182 (Part 6): 2006 s CPC8 Guidelines VolI	80	
Carbon Monoxide (CO)*	IS 5182(Part 10):1999, RA 2003	4.0	
Mercury (Hg)	EPA Method IO-5	÷÷.	

TEST REPORT								
Date of Sampling	РМ ₁₀ µg/m ³	PM _{2.5} μg/m ³	SO ₂ µg/m ³	ΝΟ ₂ μg/m ³	CO* mg/m ³	Hg ng/m ³		
01.08.2022	50	32	14	22	0.2	N.D.		
04.08,2022	68	2.4	10	26	0.5	N.D.		
08.08.2022	56	32	12	20	0.9	N.D.		
16.08.2022	57	26	08	28	0.2	N.D.		
18.08.2022	62	20	12	24	0.4	N.D.		
22.08.2022	58	22	06	20	0.8	N.D.		
25.08.2022	66	26	14	28	0.2	N.D.		
29.08.2022	52	22	12	24	0.5	N.D.		

Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected

Terms & conditions

 The report has publications arbitration as an report at 1 Tant autopriv will be reduced for 32 darps above toose 2 Mus to the reducedation as the party fast awked for a 2 	spane in References and superior and all well payments. An end report services and superior and all well payments.	
	132 - 586	For ULTIMATE ENVIROLYTICAL SOLUTIONS
Ster 14	(3)。《24、13)注	TIL
02/03/22		0-010222
REVIEWED BY	000	AUTHORIZED SIGNATORY

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

AN 100 - 001-2015 / 100- 14001-2015 / 100 45001-2018 CEDTIELED I ADODATODY



TO,		REPORT M		UES/TR/22-23/03270 UES/22-23/AAQM/08484-08491 02/09/2022 to 26/09/2022			
200000000000000000000000000000000000000	HINDALCO INDUSTRIES LIMITED,		DATE OF SAMPLI				
GARE PALMA - IV/4, COAL MINE, VILLAGE - BANKHETA, POST -MILUPARA, DISTT RAIGARH (C.G.) 496107		DATE OF RECEIPT DATE OF REPORT DATE OF ANALYSIS		03/09/2022 to 27/09/2022			
				01/10/2022 START:04/09/2022 END:01/10/			
						2 END:01/10/2022	
		SAMPLE D	ETAILS				
MONITORING FOR	AMBLENT AIR QUALITY	MONITORING	CUSTOMER F	REF. NO. & DATE		.13552310211,DATKD:07 2022	
SAMPLING LOCATION	OFFICE AREA, BANKREY	EA .			11000		
DURATION OF SAMPLING	24 HOURS	SAMPLE O	OTTRCARD BA	LABORATORY CHE	HIST		
SAMPLING PROCEDURE	AS FIR METROD MARKIN	ENCE:					
SAMPLE QUANTITY/PACKING	FILTER PAPER (PH _{ct}): SO ₂ : JOHLXI NO. PVC RUBBER BLADDER: 1X1	BOTTLE, NO: 30					

Parameter	Method Reference	NAAQM	
Particulate Matter size less then 10 microns (PM ₂₀)	18 5182 (Part 23): 2006 & CPCB Guidelines VolI	100	
Particulate Matter size less than 2.5 microns (FM _{7.3})	15 5182 (Part 24): 2019 CPCB Guidelines VolI	60	
Sulphur Dioxide (50 ₂)	15 5192 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol1	80	
Nitrogen Dioxide (NO ₂)	IS 5182 (Part E): 2006 & CFCB Guidelines VolI	80	
Carbon Monoxide (CO)*	18 5102(Part 10):1999, RA 2003	4,0	
Mercury (Ng)	EPA Method IG-5		

TEST REPORT							
Date of Sampling	РМ ₁₀ µg/m ³	ΡM _{2.5} μg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³	
02.09.2022	54	22	12	28	0.5	N.D.	
05.09.2022	60	28	14	22	0.2	N.D.	
09.09.2022	58	20	18	25	0.8	N.D.	
12.09.2022	50	22	0.9	29	0.6	N., D.,	
16.09.2022	52	24	14	22	0.2	N.D.	
19.09.2022	56	28	0.8	24	0.4	N.D.	
23.09.2022	50	22	12	28	0.8	N.D.	
26.09.2022	58	24	16	22	0.6	N.D.	

Terms & conditions

- The same for publication, protocols or as logic algorith is formation. This surges will be entered for 12 data that was of but report policy are entered with part take a for information or the party has an of the states with one of the state.

	A Statement of	For ULTIMATE ENVIROLYTICAL SOUTION
Bath		- hul
01/10/22	間の加	Cantio 22
REVIEWED BY	200 + 32 · S	AUTHORIZED SIGNATORY



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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

Name & Address Of The Custon	ind r	ARPORT NO		UES/TR/22-23/0354 UES/22-23/AAQM/0417-424		
TO,						
HINDALCO INDUSTRIES LIMITED, GARE PALMA – IV/4, COAL MINE, VILLAGE – BANKHETA, POST -MILUPARA, DISTT RAIGARH (C.G.) 496107		DATE OF SAMPLING DATE OF RECEIPT DATE OF REPORT DATE OF ANALYSIS		04/04/2022	to 2	9/04/2022
				05/04/2022	to 30	0/04/2022
				02/05/2022		
				START: 05/04/2022		END: 02/05/2022
		SAMPLE I	DETAILS			
MONITORING FOR	AMBIENT AIR QUALITY	MONITORING	CUSTOMER REF.	NO. 6 DATE		/SRV/2122/0045, 24-JULY-2021
SAMPLING LOCATION	PIT OFFICE AREA, BAN	FRETA			1.2.75/	
DURATION OF SAMPLING	24 HOURS	SAMPLE	COLLECTED BY	T LABORATORY CHEMIST		
SAMPLING PROCEDURE	AS PER METHOD REFERE	NCE		4		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM _{1P}); SO ₂ : 30MLX1 NO. PVC) ROBBER BLADDER: 1X1	BOTTLE, NO2:				

Test Method and NAAQM Standard for Ambient Air Quality Monitoring					
Parameter	Method Reference	NAAQM			
Particulate Matter size less than 10 microns (PM ₁₀)	IS 51B2 (Part 23): 2006 & CPCB Guidelines VolI	100			
Particulate Matter size less than 2.5 microns (PM _{0.5})	IS 5182 (Part 24): 2019CPCBGuidelines VolI	60			
Sulphur Dioxide (SO ₂)	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines VolI	80			
Nitrogen Dioxide (NO ₂)	IS 5182 (Part 6): 2006 & CPCB Guidelines VolI	80			
Carbon Monoxide (CO)*	IS 5182(Part 10):1999, RB 2003	4.0			
Mercury (Bg)	EFA Method IO-5				

TEST REPORT							
Date of Sampling	ΡM ₁₀ μg/m ³	ΡM _{2.5} μg/m ³	SO2 µg/m ³	ΝΟ ₂ μg/m ³	CO* mg/m ³	Hg ng/m ³	
04.04.2022	86	36	14	12	0.8	N.D.	
08.04.2022	82	30	12	14	0.5	N.D.	
11.04.2022	78	32	16	26	0.6	N.D.	
15.04.2022	72	38	18	22	0.2	N.D.	
18.04.2022	64	28	08	24	0.8	N.D.	
22.04.2022	60	30	10	28	0.2	N.D.	
25.04.2022	88	32	14	22	0.4	N.D.	
29.04.2022	72	34	18	26	0.6	N.D.	

Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected

Terms & conditions

The report two packworthers are threadness or an legal stignate in furthering.
 That sample will be relationed for 1% style affects in our of hard report infrast telescopes approximately controlses.
 These in the referencement on the party frast standard for above harding only.

1	(Same and S	For ULTIMATE ENVIROLYTICAL SOLUTIONS
Aug 122		14
02 091-		105/22
REVIEWED BY	1 Carlor and a carlo and a	AUTHORIZED SIGNATORY

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



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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

Name & Address Of The Custor	iner.	REPORT	REPORT NO		UES/TR/22~23/0989		
то,		LAB REF NO		UES/22-23/AAQM/01736-01743			
HINDALCO INDUSTRIES LIMITED, GARE PALMA – IV/4, COAL MINE, VILLAGE – BANKHETA, POST -MILUPARA, DISTT RAIGARH (C.G.) 496107		DATE O	DATE OF SAMPLING DATE OF RECEIPT DATE OF REPORT		to 2	7/05/2022	
		DATE O			to 21	8/05/2022	
		DATE O			01/06/2022		
		DATE OF ANALYSIS		START: 04/05/2022 END: 31/05/2		END: 31/05/2022	
		SAMPLE I	DETAILS	No. of Street,		Int and	
MONITORING FOR	AMBIENT AIR QUALITY	CUSTCHER REF.	NO. 4 DATE		/SRV/2122/0045, 24-JULY-2021		
SAMPLING LOCATION	PIT OFFICE AREA, BAN	ACE THRM		w			
DURATION OF SAMPLING	24 HOURS SAMPLE COLLECTED BY			I LABORATORY CHEMIST			
SAMPLING PROCEDURE	AS PER METHOD REFER	ENCIE					
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM ₁₀): SO ₂ : 30MLXI NO. PVC RUBBER BLADDER: 1X1	BOTTLE, NO2:					

Test Method and NAAQM Standard for Ambient Air Quality Monitoring					
Parameter	Method Reference	NAAQM			
Particulate Matter size less than 10 microns (PM ₁₀)	IS 5182 (Part 23): 2006 & CPCB Guidelines VolI	100			
Particulate Matter size less than 2,5 microns (PM _{2,3})	IS 5182 (Part 24): 2019CPCBGuidelines VolI	60			
Sulphur Dioxide (SO ₂)	15 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines VolI	80			
Nitrogen Dioxide (NO ₂)	IS 5182 (Part 6): 2006 & CPCB Guidelines VolI	80			
Carbon Monoxide (CO)*	1S 5182(Part 10):1999, RA 2003	4.0			
Mercury (Hg)	EPA Method IO-5				

TEST REPORT							
Date of Sampling	РМ ₁₀ µg/m ³	ΡM _{2.5} μg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³	
02.05.2022	88	30	12	38	0.9	N.D.	
06.05.2022	80	38	10	22	0.5	N.D.	
09.05.2022	86	34	18	28	0.8	N.D.	
13.05.2022	74	30	12	26	0.3	N.D.	
16.05.2022	68	32	06	20	0.7	N.D.	
20.05.2022	66	38	12	24	0.9	N.D.	
23.05.2022	84	48	18	28	0.5	N.D.	
27.05.2022	78	42	16	22	0.4	N.D.	

Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected

Terms & conditions

The report for publication, entervalue or as legal dispose in Nethinkon.
 Test paraphic will be reliaised for 10 days after tasks of feat report advances absensite agreed with customer

0 10	AN ALANDER OF	For ULTIMATE ENVIROLYTICAL SOLUTIONS
Phoetinz		1 st
011001		01/06/22
REVIEWED BY	1 a 2 a 2 a	AUTHORIZED SIGNATORY

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

mate

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

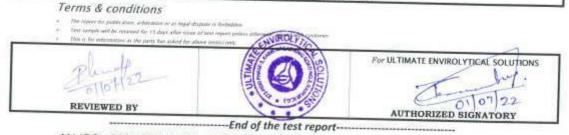
Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

Nome & Address of The Coster TO,	m inc	REFORT NO LAB REF NO		UES/TR/22-23/01969 UES/22-23/AAQM/02347-02354		
HINDALCO INDUST	RIESLIMITED					
	GARE PALMA - IV/4, COAL MINE,		DATE OF SAMPLING			7/06/2022
VILLAGE - BANKHETA, POST -MILUPARA, DISTT RAIGARH (C.G.) 496107		DATE OF RECEIPT		04/06/2022		
		DATE (PF REPORT	01/07/2022		
		DATE OF ANALYSIS		START: 05/06/2022		END: 30/06/2022
		SAMPLE	DETAILS			
MONITORING FOR	ANGIENT AIR QUALITY	MONITORING	CUSTOMER HEF.	NO. & DATE		/SRV/2122/0045,
SAMPLING LOCATION	PIT OFFICE AREA, BAN	PONETA		100000000	DID.	24-JULY-2021
DURATION OF SAMPLING	24 HOURS	And a state of the	COLLECTED BY	Distance		
SAMPLING PROCEDURE	AS PER METHOD REPERENCE					10
SAMPLE QUANTITY/PACKING	FILTER PAPER (PMin): SO: 30MLX1 NO. FVC F RUMMER BLADDER: 1X1	IXI NO., FIL SOTTLE, NO.:	TER PAPER (PM: 5 30HLX1 NO. PVC	J: 1XI NO. BOTTLE		

Parameter	Method Reference	NAAQM
Particulate Matter size less than 10 microns (PM ₁₀)	IS 5182 (Part 231: 2006 & CPCB Guidelines VolI	Standard 100
Particulate Matter size less than 2.5 microns (PM _{2.5})	15 5182 (Part 24): 2019CPCBGuidelines Vol1	60
Sulphur Dioxide (SO2)	IS 51#2 (Part 2): 2001, RA 2006 & CPCB Guidelines VolI	80
Mitrogen Dioxide (NO ₂) Carbon Monoxide (CO)+	12 5182 (Part 6): 2006 & CPCB Guidelines Vol1	80
Mercury (Hg)	18 5182(Part 10):1999, RA 2003 EPA Method 10-5	4.0

TEST REPORT						
Date of Sampling	ΡΜ ₁₀ μg/m ³	ΡM _{2.5} μg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³
03.06.2022	80	28	10	32	0.8	Sand Street Stre
06.06.2022	76	30	14	26	and the second se	N.D.
10.06.2022	82	36	16		0.4	N.D.
13.06.2022	78	32		20	0.6	N.D.
17.06.2022			10	24	0.4	N.D.
the second state of the se	64	38	80	28	0,8	N.D.
22.06.2022	68	3.6	10	22	0.2	
24.06.2022	76	4.4	14	24		N.D.
27.06.2022	70	40	18	and the second sec	0.9	N.D.
emarks: * Duratio				28	0.3	N.D.

Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected





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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

Name # Address of The Custor	ner	REPORT	CH C	UES/TR/22-23/01904			
TO,		LAB REF NO		UE8/22-23/AAQM/03633-03640			
HINDALCO INDUSTRIES LIMITED, GARE PALMA – IV/4, COAL MINE, VILLAGE – BANKHETA,		DATE OF SAMPLING DATE OF RECEIPT		04/07/2022 to 28/07/2022 05/07/2022 to 29/07/2022			
							POST -MILUPARA,
DISTT RAIGARH	(C.G.) 496107	DATE C	F ANALYSIS	START: 06/07	/2022	END: 01/08/2022	
		SAMPLE	DETAILS			and strength in succession	
MONITORING FOR	AND INT AIR QUALITY	MONITORING	CUSTOMER REF.	NO. & DATE		/SRV/2122/0045, 24-JULY-2021	
SAMPLING LOCATION	FIT OFFICE AREA, BAN	NHETA			10		
DURATION OF SAMPLING	24 HOORS	SAMPLE	COLLECTED BY	LABORATORY	CHINATS	7	
SAMPLING PROCEDONE	AS PER METHOD REFERE	NCS.		-By-014-0000000000000000000000000000000000			
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM ₁₀): SO ₂ : JOMLXI NO. PVC I RUBBER BLADDER: 1X1	BOTTLE, MO2:					

Test Method and NAAQM Standard for Ambient Air Quality Monitoring					
Parameter	Method Reference	NAAQM Standard			
Particulate Matter size less than 10 microns (PM _{SE})	IB 5182 (Part 23): 2006 & CPCE Guidelines Vol1	100			
Particulate Matter size less than 2.5 microns (PM _{2.5})	IS 5182 (Part 24): 2019CPC8Guidelines VolT	60			
Sulphur Dioxide (SOy)	15 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines VolI	80			
Nitrogen Diexide (NO2)	IS 5182 (Part 6): 2006 & CPCB Guidelines VolI	80			
Carbon Monoxide (CO)* Mercury (Hg)	15 5187(Part 10):1999, RA 2003 EPA Method IO-5	4.0			

TEST REPORT						
Date of Sampling	PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	502 μg/m ³	NO2 µg/m ³	CO* mg/m ³	Hg ng/m ³
04.07.2022	60	26	12	30	0.7	N.D.
07.07.2022	66	32	10	28	0.5	N.D.
11.07.2022	72	38	80	22	0.2	N.D.
15.07.2022	68	30	12	26	0.9	N.D.
19,07.2022	58	32	08	22	0.4	N.D.
21.07.2022	62	38	14	24	0.6	N.D.
25.07.2022	74	30	10	28	0.2	N.D.
28.07.2022	68	34	16	22	0.8	N.D.

Terms & conditions

- An sport for public accur, additionance or an legal inference is hypothese.
 Fail sample will be invested for 12 dates after more of not regime some research service and cannone.

	1918 00	For ULTIMATE ENVIROLYTICAL SOLUTION
Store Man	(新公)能	E H
01/00/22		C-108/22
REVIEWED BY		AUTHORIZED SIGNATORY

-- cha of the test report



Name & Address Of The Customer		IMPORT NO		UE5/TR/22-23/02819			
	DIFC I MUTTO	LAB REP NO		UES/22-23/AA	QM/07	868-07875	
HINDALCO INDUSTRIES LIMITED, GARE PALMA - IV/4, COAL MINE, VILLAGE - BANKHETA.		DATE OF SAMPLING DATE OF RECEIPT		01/08/2022 to	29/08/	2022	
				07/08/2022 to 30/08/2022			
POST -MILUPARA,	LIA,	DATE O	F REPORT	02/09/2022		Control of the second s	
DISTT RAIGARH	(C.G.) 496107	DATE O	F ANALYSIS	START: 03/08/	2022	END: 02/09/2022	
		SAMPLE 1	DETAILS	Contraction of the local distance of the loc			
HOWITORING FOR	AMBIENT AIR QUALITY	MONITORING	CUSTOMER REP.	NO. & DATE	VERS	AL COMMUNICATION.	
SAMPLING LOCATION	PIT OFFICE AREA, BAN	PONETA					
DURATION OF SAMPLING	24 HOURS	SAMPLE	COLLECTED BY	LABORATORY	CWARTS	T	
SAMPLING PROCEDURE	AS PER METHOD REFERE	WCHI .					
eample Quantity/packing	FILTER PAPER (PM ₁₁): SO ₂ : JÚMLXI NO. PVC I RUBBER BLADDER: 1X1	BOTTLE, NO2:					

Test Method and NAAQM Standard for Ambient Air Quality Monitoring					
Parameter	Method Reference	NAAQM Standard			
Particulate Matter size less than 10 microns (PMNs)	IS 5182 (Part 23): 2006 & CPCB Guidelines VolI	100			
Particulate Matter size less than 2.5 microns (PMp.s)	IS 5182 (Fart 24): 2019CPCBGuidelines VolI	60			
Sulphur Dioxide (SO ₂)	IS 5182 (Part 2): 2001, RA 2006 6 CPCB Guidelines VolI	80			
Nitrogen Dioxide (NO ₂)	18 5182 (Part 6): 2006 & CPCB Guidelines VolT	80			
Carbon Monoside (CO)*	15 5182(Part 10):1999, RA 2003	4.0			
Mercury (Hg)	EPA Method 10-5				

TEST REPORT						
Date of Sampling	ΡM ₁₀ μg/m ³	PM2.5 µg/m ³	502 μg/m ³	NO2 µg/m ³	CO* mg/m ³	Hg ng/m ³
01.08.2022	68	28	10	30	0.8	N.D.
04.08.2022	60	32	14	26	0.2	N.D.
08.08.2022	66	30	12	22	0.5	N.D.
16.08.2022	64	2.4	18	24	0.8	N.D.
18.08.2022	58	24	08	28	0.4	N.D.
22.08.2022	56	20	10	22	0.2	N.D.
25.08.2022	64	28	1.4	24	0.6	N.D.
29.08.2022	58	2.4	12	28	0.2	N.D.

Terms & conditions

The report for publication, and makes are adopt alreport in first-hopper.
 Test sample will be ensistend for 35 days after larger the force of the sport project reduce theoretics agreed will examine the first provide the same strength of the sport sport sport and the same strength of the sport spor

	AS COMMENTS	For ULTIMATE ENVIROLYTICAL SOLUTIONS
EH3-W_	1513 000 0151	- Dut.
02/03/22		0-169/22
REVIEWED BY		AUTHORIZED SIGNATORY

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

AN ICO - 0001-2015 / ICO - 14001-2016 / ICO 45001-2018 CEDTIFIED / ADODATODV



Norm & Address Df The Easter TO.	10 ¹⁰	REPORT	HEPORT NO		UES/TR/22-23/03279			
N. 7.0		LAB RE	LAB REP NO		AAQM/	08492-08499		
HINDALCO INDUSTRIES LIMITED, GARE PALMA – IV/4, COAL MINE, VILLAGE – BANKHETA,		DATE O	DATE OF SAMPLING DATE OF RECEIPT		to 2	6/09/2022		
		DATE O			03/09/2022 to 27/09/2022			
POST -MILUPARA,	E1A,	DATE O	DATE OF REPORT		01/10/2022			
DISTT RAIGARH	C.G.) 496107	DATE O	F ANALYSIS	START: 04/09	/2022	END: 01/10/2022		
		SAMPLE 1	DETAILS					
HONITORING FOR	AMBIENT AIR QUALITY	MONITORING	CUSTOMER REF.	NO. # DATE	P.O.	13552310211,DarkD:07. 022		
SAMPLING LOCATION	PIT OFFICE AREA, BA	ATTOMM			1.32555			
DURATION OF SAMPLING	24 HOURS	SAMPLE	COLLECTED BY	LABORATORY	CHEMIS	r		
SAMPLING PROCEDURE	AS PER METHOD REFER	URINCOE						
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM1); SO1: JOHLEI NO. PVC RUBBER BLADDER: IKI	BOTTLE, NO2:						

	Standard
IS 5182 (Part 23): 2006 & CPCB Guidelines Vol1	100
18 5182 (Part 24): 2019CPCBGuidelines VolI	10
IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol1	8.0
IS 5182 (Part 6): 2006 a CPCB Guidelines VolI	80
IS 5182(Part 10):1999, RA 2003	4.0
	Guidelines Vol1 12 5192 (Part 24): 2019CPCBGuidelines Vol1 IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol1 IS 5182 (Part 6): 2006 & CPCB Guidelines Vol1

TEST REPORT						
Date of Sampling	ΡM ₁₀ μg/m ³	ΡM _{2.5} μg/m ³	SO ₂ μg/m ³	NO2 µg/m ³	CO* mg/m ³	Hg ng/m ³
02.09.2022	58	22	14	22	0.7	N.D.
05.09.2022	50	30	12	24	0.9	N.D.
09.09.2022	56	22	18	28	0.2	N.D.
12.09.2022	54	28	16	22	0.8	N.D.
16.09.2022	68	22	0.6	26	0.4	N.D.
19.09.2022	66	24	12	20	0.6	N.D.
23.09.2022	54	22	10	28	0.2	N.D.
26.09.2022	62	28	18	2.2	0.8	N.D.

Terms & conditions

The number of the second secon

- This cannot will be minered to 12 and other when of not construction of any second
- Por ULTIMATE ENVIROLYTICAL SOLUTIONS

Annexure-5



Fixed type of water sprinklers GP IV/5 coal mine



Annexure-6



Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

Name & Address of The Custon TO, HINDALCO INDUST GARE PALMA - IV/5 VILLAGE - BANKHI POST - MILUPARA, DISTT RAIGARH	TRIES LIMITED, 5, COAL MINE, ETA,	REPORT NO. LAB REF NO. DATE OF REPORT DATE OF SAMPLING	UES/TR/22-23/0375 UES/22-23/N/0484-0493 02/05/2022 26/04/2022 to 27/04/2022		
		SAMPLE DETAILS			
MONITORING FOR	NOISE LEVEL MONITORING				
CUSTOMER REF. NO. & DATE	M/PO/SRV/2122/0049, DTD.	:24-JULY-2021			
SAMPLING LOCATION	INSIDE COAL MINE & OUTSI	DE COAL MINE (AS DESCRIE	BED BELOW)		
SAMPLE COLLECTED BY	LABORATORY CHEMIST				
SAMPLE QUANTITY/ PACKING	NOT APPLICABLE				

	TI	EST REF	PORT			
		RES	BULT	LIMIT (IND	USTRIAL ZONE)	
LOCATION	UNIT	DAY TIME	NIGHT TIME	DAY TIME	NIGHT TIME	
OFFICE AREA, MILUPARA	dB(A)	68	54			
INCLINE AREA, MILUPARA	dB(A)	72	50		70	
BUNKER AREA, MILUPARA	dB(A)	62	46			
DG SET AREA, KONDKEL	dB(A)	64	48	75		
WEIGHBRIGE AREA, MILUPARA	dB(A)	60	56			
OFFICE AREA, KONDKEL	dB(A)	58	50			
BUNKER AREA, KONDKEL	dB(A)	68	62			
		RESULT		LIMIT (RESI	DENTIAL ZONE)	
LOCATION	UNIT	DAY TIME	NIGHT TIME	DAY TIME	NIGHT TIME	
Outside Plant						
SIDARPARA VILLAGE (GOVT. SCHOOL)	dB(A)	54	43	55		
HIL COLONY, KONDKEL	dB(A)	52	40		45	
HIL STAFF QUARTER, MILUPARA	dB(A)	50	44			

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

> The report for publication, arbitration or as legal dispute is forbidden.

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

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





Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

Name & Address of The Custor TO, HINDALCO INDUST GARE PALMA - IV/S VILLAGE - BANKHI POST - MILUPARA,	TRIES LIMITED, 5, COAL MINE, ETA,	REPORT NO. LAB REF NO. DATE OF REPORT DATE OF SAMPLING	UES/TR/22-23/01114 UES/22-23/N/01119-01128 . 01/06/2022 20/05/2022 to 21/05/2022				
DISTT RAIGARH	(C.G.) 496107	SAMPLE DETAILS					
		SATILE DETAILS					
MONITORING FOR	NOISE LEVEL MONITORING	7					
CUSTOMER REF. NO. & DATE	M/PO/SRV/2122/0049, D1	M/PO/SRV/2122/0049, DTD.:24-JULY-2021					
SAMPLING LOCATION	INSIDE COAL MINE & OUTSIDE COAL MINE (AS DESCRIBED BELOW)						
SAMPLE COLLECTED BY	LABORATORY CHEMIST						
SAMPLE QUANTITY/ PACKING	NOT APPLICABLE						

	T	EST REI	PORT			
		RE	SULT	LIMIT (IND	USTRIAL ZONE)	
LOCATION	UNIT	DAY TIME	NIGHT TIME	DAY TIME	NIGHT TIME	
OFFICE AREA, MILUPARA	dB(A)	58	46			
INCLINE AREA, MILUPARA	dB(A)	72	52		70	
BUNKER AREA, MILUPARA	dB(A)	60	46			
DG SET AREA, KONDKEL	dB(A)	58	40	75		
WEIGHBRIGE AREA, MILUPARA	dB(A)	64	50			
OFFICE AREA, KONDKEL	dB(A)	52	46			
BUNKER AREA, KONDKEL	dB(A)	68	52			
		RES	BULT	LIMIT (RESI	DENTIAL ZONE)	
LOCATION	UNIT	DAY TIME	NIGHT TIME	DAY TIME	NIGHT TIME	
Outside Plant						
SIDARPARA VILLAGE (GOVT. SCHOOL)	dB(A)	52	44	55		
HIL COLONY, KONDKEL	dB(A)	50	40		45	
HIL STAFF QUARTER, MILUPARA	dB(A)	54	42			

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

> The report for publication, arbitration or as legal dispute is forbidden.

> Test sample will be retained for 15days 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 0 0 **REVIEWED BY** AUTHORIZED SIGNATORY End of the test report-



Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

Name & Address of The Custo TO, HINDALCO INDUS GARE PALMA - IV/S VILLAGE - BANKH POST - MILUPARA	TRIES LIMITED, 5, COAL MINE, ETA,	REPORT NO. LAB REF NO. DATE OF REPORT	UES/TR/22-23/01091 UES/22-23/N/02414-02423 01/07/2022		
DISTT RAIGARH	• · · · · · · · · · · · · · · · · · · ·	DATE OF SAMPLING	23/06/2022 to 24/06/2022		
		SAMPLE DETAILS			
MONITORING FOR	NOISE LEVEL MONITORING	Ģ			
CUSTOMER REF. NO. & DATE	M/PO/SRV/2122/0049, DTD.:24-JULY-2021				
SAMPLING LOCATION	INSIDE COAL MINE & OUTSIDE COAL MINE (AS DESCRIBED BELOW)				
SAMPLE COLLECTED BY	LABORATORY CHEMIST				
SAMPLE QUANTITY/ PACKING	NOT APPLICABLE				

	T	EST REI	PORT			
		RE	SULT	LIMIT (IND	USTRIAL ZONE)	
LOCATION	UNIT	DAY TIME	NIGHT TIME	DAY TIME	NIGHT TIME	
OFFICE AREA, MILUPARA	dB(A)	61	52			
INCLINE AREA, MILUPARA	dB(A)	69	58		70	
BUNKER AREA, MILUPARA	dB(A)	72	58	7.		
DG SET AREA, KONDKEL	dB(A)	70	64	75		
WEIGHBRIGE AREA, MILUPARA	dB(A)	68	48			
OFFICE AREA, KONDKEL	dB(A)	62	50			
BUNKER AREA, KONDKEL	dB(A)	60	54			
		RESULT		LIMIT (RESI	DENTIAL ZONE)	
LOCATION	UNIT	DAY TIME	NIGHT TIME	DAY TIME	NIGHT TIME	
Outside Plant						
SIDARPARA VILLAGE (GOVT. SCHOOL)	dB(A)	50	40			
HIL COLONY, KONDKEL	dB(A)	48	42	55	45	
HIL STAFF QUARTER, MILUPARA	dB(A)	52	44			

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

REVIEWED BY

- > The report for publication, arbitration or as legal dispute is forbidden.
- > 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
ref.
Jan 1-2/22
AUTHORIZED SIGNATORY



Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

Name & Address of The Customer TO, HINDALCO INDUSTRIES LIMITED, GARE PALMA - IV/5, COAL MINE, VILLAGE - BANKHETA,		REPORT NO.	UES/TR/22-23/01824	
		LAB REF NO.	UES/22-23/N/03700-03709	
		DATE OF REPORT	01/08/2022	
POST - MILUPARA DISTT RAIGARH		DATE OF SAMPLING	25/07/2022 to 26/07/2022	
A CANADA AND	11. 11. 11. A.A.	SAMPLE DETAILS		
MONITORING FOR	NOISE LEVEL MONITORIN	G		
CUSTOMER REF. NO. & DATE	M/PO/SRV/2122/0049, DTD.:24-JULY-2021			
SAMPLING LOCATION INSIDE COAL MINE & OUTSIDE COAL MINE (AS DESCRIBED BELOW)				
SAMPLE COLLECTED BY	LABORATORY CHEMIST			
SAMPLE QUANTITY/ PACKING	NOT APPLICABLE			

	TI	EST REI	PORT			
		RE	SULT	LIMIT (INDUSTRIAL ZONE)		
LOCATION	UNIT	DAY TIME	NIGHT TIME	DAY TIME	NIGHT TIME	
OFFICE AREA, MILUPARA	dB(A)	64	49			
INCLINE AREA, MILUPARA	dB(A)	62	50		70	
BUNKER AREA, MILUPARA	dB(A)	68	52			
DG SET AREA, KONDKEL	dB(A)	62	50	75		
WEIGHBRIGE AREA, MILUPARA	dB(A)	60	46			
OFFICE AREA, KONDKEL	dB(A)	68	48			
BUNKER AREA, KONDKEL	dB(A)	62	52			
	7.2	RESULT		LIMIT (RESIDENTIAL ZON		
LOCATION	UNIT	DAY TIME	NIGHT TIME	DAY TIME	NIGHT TIME	
Outside Plant						
SIDARPARA VILLAGE (GOVT. SCHOOL)	dB(A)	52	44		45	
HIL COLONY, KONDKEL	dB(A)	46	40	55	45	
HIL STAFF QUARTER, MILUPARA	dB(A)	50	43			

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

> The report for publication, arbitration or as legal dispute is forbidden.

> 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.

REVIEWED BY		AUTHORIZED SIGNATORY	
01/08/22		Tempol22	
	65 STARRING S	For ULTIMATE ENVIROLYTICAL SOLUTIONS	



Name & Address of The Customer TO, HINDALCO INDUSTRIES LIMITED, GARE PALMA - IV/5, COAL MINE, VILLAGE - BANKHETA, POST - MILUPARA,		REPORT NO.	UES/TR/22-23/02858		
		LAB REF NO.	UES/22-23/N/07970-07979		
		DATE OF REPORT	01/09/2022		
DISTT RAIGARH	•	DATE OF SAMPLING	25/08/2022 to 26/08/2022		
		SAMPLE DETAILS			
MONITORING FOR	NOISE LEVEL MONITORIN	G			
CUSTOMER REF. NO. & DATE	VERBAL COMMUNICATION.	VERBAL COMMUNICATION.			
SAMPLING LOCATION INSIDE COAL MINE & OUTSIDE COAL MINE (AS DESCRIBED BELOW)					
SAMPLE COLLECTED BY	LABORATORY CHEMIST				
SAMPLE QUANTITY/ PACKING	NOT APPLICABLE				

	T	EST RE	PORT			
		RE	SULT	LIMIT (IND	USTRIAL ZONE)	
LOCATION	UNIT	DAY TIME	NIGHT TIME	DAY TIME	NIGHT TIME	
OFFICE AREA, MILUPARA	dB(A)	54	48			
INCLINE AREA, MILUPARA	dB(A)	68	50		70	
BUNKER AREA, MILUPARA	dB(A)	62	42			
DG SET AREA, KONDKEL	dB(A)	50	44	75		
WEIGHBRIGE AREA, MILUPARA	dB(A)	60	56			
OFFICE AREA, KONDKEL	dB(A)	54	42			
BUNKER AREA, KONDKEL	dB(A)	60	58			
and the second	RESULT		BULT	LIMIT (RESI	DENTIAL ZONE)	
LOCATION	UNIT	DAY TIME	NIGHT TIME	DAY TIME	NIGHT TIME	
Outside Plant						
SIDARPARA VILLAGE (GOVT. SCHOOL)	dB(A)	50	42			
HIL COLONY, KONDKEL	dB(A)	46	34	55	45	
HIL STAFF QUARTER, MILUPARA	dB(A)	54	42			

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

> The report for publication, arbitration or as legal dispute is forbidden.

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

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







Name & Address of The Custo		REPORT NO.	UES/TR/22-23/03302
HINDALCO INDUS GARE PALMA - IV/		LAB REF NO.	UES/22-23/N/08577-08586
VILLAGE - BANKH POST - MILUPARA	ETA,	DATE OF REPORT	03/10/2022
DISTT RAIGARH		DATE OF SAMPLING	27/09/2022 to 28/09/2022
Contraction of the second s		SAMPLE DETAILS	
MONITORING FOR	NOISE LEVEL MONITORING		
CUSTOMER REF. NO. & DATE	P.0.13552310212,DATED:	07.09.2022	
SAMPLING LOCATION	INSIDE COAL MINE & OUT	SIDE COAL MINE (AS DESCRIE	BED BELOW)
SAMPLE COLLECTED BY	LABORATORY CHEMIST		
(13) (m) = m			

SAMPLE		
OUANTITY / PACKING	NOT APPLICABLE	

	T	EST REI	PORT			
	RESULT		SULT	LIMIT (INDUSTRIAL ZONE)		
LOCATION	UNIT	DAY TIME	NIGHT TIME	DAY TIME	NIGHT TIME	
OFFICE AREA, MILUPARA	dB(A)	52	42			
INCLINE AREA, MILUPARA	dB(A)	64	54			
BUNKER AREA, MILUPARA	dB(A)	60	48		70	
DG SET AREA, KONDKEL	dB(A)	56	40	75		
WEIGHBRIGE AREA, MILUPARA	dB(A)	62	52			
OFFICE AREA, KONDKEL	dB(A)	58	44			
BUNKER AREA, KONDKEL	dB(A)	64	56			
		RESULT		LIMIT (RESI	(RESIDENTIAL ZONE)	
LOCATION	UNIT	DAY TIME	NIGHT TIME	DAY TIME	NIGHT TIME	
Outside Plant		1043000110-00104100	HAPON PROPERTY AND A CONTRACT OF	Construction of the State of th		
SIDARPARA VILLAGE (GOVT. SCHOOL)	dB(A)	54	43			
HIL COLONY, KONDKEL	dB(A)	48	38	55	45	
HIL STAFF QUARTER, MILUPARA	dB(A)	52	40			

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

- > The report for publication, arbitration or as legal dispute is forbidden.
- Test sample will be retained for 15days after issue of test report unless otherwise agreed with customer.
- > This is for information as the party has asked for above test(s) only.



Annexure-7



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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

to Name & Address Of The (To₁			provide and a second		/TR/22-23/0376 /22-23/W/0494		
HINDALCO INDUST			Date Of Sampling	26/04/20	College and the second s	22	
GARE PALMA - IV/8	b		Date Of Receipt	27/04/20	22		
MILUPARA U/G CO	AL MINE,		Date Of Report	02/05/20	22		
VILLAGE - MILUPA DISTT RAIGARH	RA, BLOCK-TAMNAR (C.G.) 496107		Date Of Analysis	of Analysis START: 27/04/2022			
The state of the s		SAMP	LE DETAILS	17112			
Sample Type	WASTE WATER		Customer Ref. No.			2122/0049, ULY-2021	
Customer Sample ID	ETP INLET, KONDREL		Sample Condition a	at Receipt	OR		
Packing Of Sample	3 L X I MO, PVC CAN I L X I SO, PVC CAN I X X I MO, GLANS BOTTLE	Sealed	Sample Collected 2	y Laboratory Chemist		y Chamist	
Sampling Procedure	ling Procedure 18:3025(PART-I):1907 RA 2003; APHA 22 ^{mt} ED, 2021, 1060-B, 1-39			Quantity Received		Approx. 5Ltr.	

III CONTRACTOR

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	THE ENVIRONMENT (PROTECTION) RULES, 1988 [SCHEDULE-VI] PART-A INLAND SURFACE WATER	RESULT
1	Colour	Haten	APHA 22 ⁵⁰ Ed. 2012,2120-B,2-6	See 6 of Annexure-I	<1
2	Odour		APHA 22 ⁵⁴ Ed. 2012,2120-8,2-6	See 6 of Annexure-1	Agreeable
3	Temperature	°¢	APHA 22 nd Ed.2012,2130-8,2-13	Shall not exceed 5°C above the receiving water temperature	26.4
4	PH	(F)	APHA 22" Ed.2012,4500-H"-B,4-92	5.5 to 9.0	7.52
5	Total Residual Chloring	mg/L	APHA 22" Ed.2012,4500-C1-G, 4 - 69	1,0	N.D.
6	Total Suspended Solids	mg/L	APHA 22 ⁿ⁸ Ed.2012,2540- D, 2-66	100	98.0
7	Dissolved Phosphate (as P)	mg/L	APHA 22 nd Rd.2012,4500-P-C, 4-153	5.0	N.D.
8	Fluorida (as F)	mg/L	APHA 22" Ed.2012,4500-F-B4D,4-84487	2.0	0.4
9	Lead (as Pb)	ng/L	APHA 22 ¹⁰ Ed.2012, 3111-B, 3-18	0,1	N.D.
10	Einc (as En)	ng/L	APHA 22" Ed.2012,3111-8, 3-18	5.0	0.16
11	Copper (as Cu)	Bg/L	APHA 22** Ed.2012,3111-B, 3-18	3.0	N.D.
12	Cadmium (as Cd)	ng/L	APRA 22** Ed.2012,3500-Cd, 3-105	2.0	N.D.
13	Mercury (as Hg)	mg/L	APRA 22 ⁶⁸ Ed.2012,3112-B, 3-23	0.01	N.D.
14	Arsenic (as As)	mg/L	AFHA 22 ^{ef} Ed.2012,3114-C, 3-38	0.2	N.D.
15	Selenium (as Se)	mg/L	APHA 22" Ed.2012,3114-C, 3-38	0.05	N.D.
16	Total Chromium (as Cr)	mg/L	APHA 22 ^{ad} Ed.2012,3500-Cr-B,3-69	2.0	N.D.
17	Chemical Oxygen Demand (COD)	mg/L	APHA 22 nd Ed.2012, 5520-8,5-17	250	146.0
18	Biochemical Oxygen Demand (NOD)	mg/L	IS 3025(Part 44):1993, PA 2003	30	12.8
19	Oil & Grease	mg/L	IS 3025(Part 39):1991,RA 2003	10.0	N.D.
20	Phenolic Compounds (as C.H.OH)	mg/L	IS 3025(Part 43):1992, MA 2003	1.0	N.D.

Note: mg/lit.: milligram per liter, N.D. -REMARKS: RESULTS ARE AS ADOVE

Terms & conditions

- This respond for pulpilization, articlization or un logal dispose in technologies, Text sample will be relatived for 15-days after teace of text report indexe. Dole is for information as the party has asked for above lengt(s) only.

For ULTIMATE ENVIROLYTICAL SOLUTIONS 122 atras 02/05 02 05 22 a AUTHORIZED SIGNATORY REVIEWED BY

-End of the test report--



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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

to Name & Address Of The 1 To, HINDALCO INDUST GARE PALMA - IV/5 MILUPARA U/G CO.	RIES LIMITED,		Report No Lab Ref No Date Of Sampling Date Of Receipt Date Of Report		22	
VILLAGE - MILUPA DISTT RAIGARH	RA, BLOCK-TAMNAR (C.G.) 496107	_	Date Of Analysis	START: 23/	05/2022	END: 31/05/2022
		SAMPI	LE DETAILS			union il il
Sample Type	MASTE MATER		Customer Ref. No.			2122/0049, ULY-2021
Customer Sample ID	ETP INLET, KONDKEL		Sample Condition a	at Receipt	()k	
Packing Of Sample	J L X I BO. FWC CAN I L X I BO. FWC CAN I L X I BO. SLASS BOTTLE	Sealed	Sample Collected 1	y Laboratory Chemist		y Chemist
Sampling Procedure	ampling Procedure 15:3025(PART-I):1587 RA 2003; APHA 22 ⁸⁰ RD. 2021, 1060-B, 1-39			ž.	Approx. SLtr.	

_		_	and a print of a second data and the second data and the		
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	THE ENVIRONMENT (PROTECTION) RULES, 1980 (SCHEDULE-VI) PART-A INLAND SURFACE WATER	RESULT
1	Colour	Bazen	AFHA 22"Ed. 2012,2120-B,2-6	See 6 of Annexure-I	<1
2	Odour	1.100 to 1.000 to	APHA 22 ^{sd} Ed. 2012,2120-B,2-6	See 6 of Annexure-I	Agreeable
з	Temperature	*c	APHA 22"8d.2012,2130-8,2-13	Shall not exceed 5'C above the receiving water temperature	25.6
4	pll		APHA 22 ^{al} E6.2012,4500-H ⁴ -B,4-92	5,5 to 9.0	7.18
5	Total Residual Chlorine	mg/L	АРНА 22 ⁴⁴ Ed.2012,4500-C1-G, 4 - 69	1.0	N.D.
6	Total Suspended Solids	mg/L	APHA 22" Ed.2012,2540- D, 2-66	100	94.0
7	Dissolved Phosphate (as P)	mg/L	APHA 22 nd Ed.2012,4500-P-C, 4-153	5.0	N.D.
. 8	Fluoride (as F)	mg/L	AFHA 22" Ed.2012,4500-F-B&D,4-84&87	2.0	0.8
9	Lead (as Pb)	mg/L	APHA 22 ^{sf} Ed.2012,3111-B, 3-18	0.1	N.D.
10	Zinc (as Zn)	mg/L	APHA 22 st Ed.2012,3111-B, 3-18	5.0	0.21
11	Copper (as Cu)	mg/L	APHA 22 ^M Ed.2012,3111-8, 3-18	3.0	N.D.
12	Cadmium (as Cd)	mg/L	APHA 22 ³⁴ Ed.2012,3500-Cd, 3-105	2.0	N.D.
13	Mercury (as Hg)	mg/L	APHA 22 nd Ed.2012,3112-B, 3-23	0.01	N.D.
14	Arsenic (as As)	mg/L	AFHA 22 ⁶⁴ Ed.2012,3114-C, 3-38	0.2	N.D.
15	Selenium (as Se)	mg/L	APHA 22 ³⁴ Ed.2012,3114-C, 3-38	0.05	N.D.
16	Total Chromium (as Cr)	mg/L	APHA 22 nd Ed.2012,3500-Cr-B,3-69	2.0	N.D.
17	Chemical Oxygen Demand (COD)	mg/L	AFHA 22 ^{**} Ed.2012, 5520-8,5-17	250	168.0
18	Biochemical Oxygen Demand (BCD)	mg/L	IS 3025(Part 44):1993,RA 2003	30	12.6
19	Oil & Grease	mg/L	IS 3025(Part 39):1991,RA 2003	10.0	N.D.
20	Phenolic Compounds (as C_H_ON)	mg/L	IS 3025(Part 43):1992,RA 2003	1.0	N.D.

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

The report for publication, arbitration or as legal disport is forbidden. Test sample will be related for 16 days after issue of test report unless oth This is for information as the party free soles' for above institutionly. mind with count

01/06/22 G

REVIEWED BY

For ULTIMATE ENVIROLYTICAL SOLUTIONS st. 22 OG 01 13 AUTHORIZED SIGNATORY

-End of the test report---



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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

to Name & Address Of The C	Sectamer		Report No	UES/TR/2	IS/TR/22-23/01092		
To,			Lab Bef No	UES/22-23/W/02424			
HINDALCO INDUST	RIES LIMITED,		Date Of Sampling	23/06/20	22		
GARE PALMA - IV/5	4		Date Of Receipt	24/06/20	22		
MILUPARA U/G CO.	AL MINE,		Date Of Report	01/07/20	22		
VILLAGE - MILUPA DISTT RAIGARH	RA, BLOCK-TAMNAR (C.G.) 496107		Date Of Analysis	mis START:24/06/2022 END:30/0			
		SAMPI	LE DETAILS	110 S			
Sample Type	WASTE WATER		Customer Bef. No. 4 Date		M/PO/SRV/2122/0049, DTD.:24-JULY-2021		
Customer Sample ID	ETF INLEY, KONDERL		Sample Condition a	at Receipt	Ok		
Packing Of Sample	2 1 X 1 MD FWC CAR 1 1 X 1 MD FWC CAR 2 1 X 1 MD FWC CAR 2 1 X 1 MD GLASS BOTTLE	Sealed	Sample Collected by		Laboratory Chamist		
Sampling Procedure	IN: 3025(PART-I): 1987 1 APHA 22 ^m ED. 2021, 10	Quantity Received		Approx. 5Ltr.			

SR. PARAMETER		PARAMETER UNIT METHOD OF TEST		THE ENVIRONMENT (PROTECTION) RULES, 1980 (SCHEDULE-VI) PART-A INLAND SURFACE WATER	RESULT
1	Colour	Hazen	APHA 22"Ed. 2012,2120-8,2-6	See 6 of Annexure-1	<1
2	Odour	-	APHA 22"Ed. 2012,2120-8,2-6	See 6 of Annoxure-1	Agreeable
3	Tesperature	3 6 5	APHA 22"Ed.2012,2130-8,2-13	Shall not exceed 5'C above the receiving water temperature	25.8
4	pH		APHA 22" Ed. 2012, 4500-H'-R, 4-92	5.5 to 9.0	7.26
6	Total Residual Chlorine	nig/%	дрид 22 ^{ни} Ed.2012,4500-01-0, 4 - 69	1.0	N.D.
Ξê.	Total Suspended Solids	mg/L	АРИА 22° Ед.2012,2540- D. 2-66	100	86.0
7	Dissolved Phosphate (as P)	ing/L	АРНА 22 ^{ml} Ed. 2012,4500-P-C, 4-153	5.0	N.D.
	Fluoride (as F)	mg/L	APHA 22" Ed 2012,4500-F-BaD,4-84a87	2.0	0.4
9	Lead (as Pb)	mg/L	APHA 22= Ed.2012,3111-E, 3-18	0.1	N.D.
10	Zinc (as Zn)	ng/L	APHA 22" Ed.2012,3111-H, 3-18	5.0	0.16
11	Copper (as Cu)	mg/L	APHA 22 ^{ml} Ed.2012,3111-8, 3-18	3.0	N.D.
12	Cadmium (as Cd)	mg/L	APHA 22 ⁴⁰ Ed.2012, 3500-Cd. 3-105	Z.0	N.D.
13	Mercury (as Hg)	ng/L	APRA 22 nd Ed.2012,3112-8, 3-23	0,01	N.D.
14	Arsenic (es As)	mg/L	APRA 22 ¹⁰ Ed.2012,3114-C, 3-38	0.2	N.D.
-15	Selenium (as Se)	ng/L	APHA 22 nd Ed.2012,3114-C, 3-38	0.05	N.D.
16	Total Chronium (as Cr)	ng/L	APHA 22 ⁴⁴ Ed.2012,3500-Cr-B,3-69	2.0	N.D.
127.2	Chemical Oxygen Demand (COD)	ng/3,	APHA 22 ¹⁰ Ed.2012, 5528-8,5-17	250	142.0
18	Biochemical Oxygen Demand (BOD)	ng/L	15 3025(Part 44):1993,58 2003	30	14,8
19.	Oil & Grease	mg/3,	IS 30251Fert 391:1991.RA 2003	38.0	N.D.
20	Phenolic Compounds (as C ₄ H ₂ OB)	ng/1,	IS 3025(Part 43):1992,88 2003	1.0	N.D.

Terms & conditions

- The report for publication, arbitration or as legal dispute is forbridden 1

Test sample will be relational for 25 does after lissue of rest rep This in far information as the party bas asked for above recy DETT For ULTIMATE ENVIROLYTICAL SOLUTIONS 11 412 otto 0107 22 6 AUTHORIZED SIGNATORY REVIEWED BY -End of the test report---

ANTICO - DODA-SOME LICO- 14001-2016 LICO 45001-2018 CERTIFIED I ARORATORY

timate

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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

to Name & Address Of The I	Sundawier		Report No	UES/TR/2	22-23/01825		
To,			Lab Ref No	UES/22-23/W/03710			
HINDALCO INDUST	RIES LIMITED,		Date Of Sampling	26/07/20	22		
GARE PALMA - IV/5	i,		Date Of Receipt	27/07/20	22		
MILUPARA U/G CO	AL MINE,		Date Of Report	01/08/20	22		
VILLAGE - MILUPA DISTT RAIGARH	RA, BLOCK-TAMNAR (C.G.) 496107		Date Of Analysis	START: 27/	07/2022	MMD: 01/08/2022	
		SAMP	LE DETAILS				
Sample Type	WASTE WATER		Customer Ref. No.			/2122/0049, IULY-2021	
Customer Sample ID	ETP INLET, KONDREL		Sample Condition a	t Receipt	-Ok		
Packing Of Sample	3 1 X 1 HO. FWC CAN 1 L X 1 HO. FWC CAN 1 1 X 1 HO. GLADS BOTTLE	Sealed	Sample Collected D	y	Laboratory Chemist		
Sampling Procedure	18:3025(PART-1):1967 B APRA 22 ^m ED. 2021, 10	Quantity Received		Approx. Sitr.			

SR, NO.	PARAMETER	UNIT	METHOD OF TEST	THE ENVIRONMENT (PROTECTION) BULES, 1806 [SCHEDULE VI] PART-A INLAND SURFACE WATER	RESULT
1	Colour	Bezen	APHA 2200Ed. 2012,2120-B,2-6	See & of Annexure-I	<1
2	Odour	(***)	APHA 2200Ed. 2012,2320-8,2-6	See € of Annexure-1	Agreeable
3	Temperature	*C	АРНА 220061.2012,2130-В,2-13	Shall not exceed 5'C above the receiving water temperature	25.6
4	pH	-	APHA 22" Ed. 2012, 4500-H"-B, 4-92	5.5 to 9.0	7.44
酒	Total Residual Chlorine	ng/L	APHA 22 ¹⁰ Ed.2012,4500-C1-0, 4 - 69	1.0	N.D.
6	Total Suspended Solids	ng/L	БРНА 22 ⁴⁰ Ed.2032,2540- D, 2-66	100	80.0
7	Dissolved Phosphate (as P)	mg/t	APHA 22 ⁴⁴ EG.2012,4500-P-C, 4-153	5.0	N.D.
.8	Fluoride (as F)	mg/L	APHA 22 ⁴⁰ Ed.2012,4500-F-Bab,4-84487	2.0	0.3
9	Lead (as Pb)	mg/L	APHA 22 ^{ml} Ed.2012,3111-8, 3-18	0.1	N.D.
10	Einc (as En)	mg/L	APHA 22 nd Ed. 2012, 3111-E, 3-18	5.0	0.14
21	Copper (as Cu)	mg/L	APHA 22 ^{ad} 8d, 2012, 3111-B, 3-18	0.E	N.D.
2.2	Cadmium (as Cd)	mg/L	APHA 22" Ed.2012,3500-Cd, 3-105	2.0	N.D.
13	Mercury (as Hg)	mg/L	APRA 22 ⁴⁰ Ed 2012,3112-B, 3-23	0.01	N.D.
14	Arsenic (as As)	mg/L	APHA 22 nd Ed.2012,3114-C, 3-38	0.2	N.D.
15	Selenium (as 5e)	ing/L	APHA 22 nd Ed. 2012, 3114-C, 3-38	0.05	N.D.
16	Total Chromium (as Cr)	ng/L	APHA 22 nd 8d.2012,3500-Ct-D _A 3-69	2.0	N.D.
12	Chemical Oxygen Demand (COD)	ng/L	APHA 22 nd Ed.2012, 5520-8,5-17	250	156.0
18	Biochemical Oxygen Demand (BOD)	mg/1.	IS 3025(Part 44):1993,RA 2003	30	12.8
1.9	Oil & Grease	ag/L	ES 3025(Part 39):1991,RA 2003	10.0	N.D.
29	Phenolic Compounds (as C_H_OH)	ng/L	15 3025(Part 43):1992,RA 2003	1.0	N.D.

REMARES. RESULTS ARE AS ABOVE

Terms & conditions



-----End of the test report-

Ultimate

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

TO AGINE & Reference OF The To, HINDALCO INDUS' GARE PALMA - IV/S MILUPARA U/G CO VILLAGE - MILUPA DISTT RAIGARH	TRIES LIMITED, i, AL MINE, RA, BLOCK-TAMNAR		Report No Lab Ref No Date Of Sampling Date Of Receipt Date Of Report Date Of Analysis		22 22	
	(0.0.) 400107	SAMP.	LE DETAILS		Contraction of	
Sample Type	WASIE MATER		Customer Ref. No.	6 Date	VERBAL CO	HERNICATION,
Customer Sample ID	ETP INLET, RONDARL		Sample Condition a	t Receipt	Oli	
Packing Of Sample	7 1 8 1 90. FVC CAN 1 1 8 2 90. FVC CAN 1 8 3 90. GLAES ACTILE	Sealed	Sample Collected 1	r	Laborator	y Chanist
Sampling Procedure	IS:3025(PART-1):1987 RJ APHA 22 ^m ED. 2021, 106		Quantity Received		Approx. 5	iter.

	TEST REPORT									
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	THE ENVIRONMENT (PROTECTION) RULES, 1966 [SCHEDULE-VI) PART-A INLAND SURFACE WATER	RESULT					
1	Colour	Razen	APER 22**Ed. 2012,2120-B,2-6	See 6 of Annexure-I	<1					
2	Odour		APHA 22*%d. 2012,2120-8,2-6	fiee # of Annesute-1	Agreeable					
3	Temperature	.,c	APHA 22°Ed.2012,2130-8,2-13	Shall not exceed 5°C above the receiving water temperature	24.0					
6	plt		APHA 22 nd #d.2012,4500-H'-B,4-92	5.5 to 9.0	7.11					
5.	Total Residual Chlorine	1912/2	APHA 22 nd 6d.2012,4500-C1-G, 4 - 69	1.0	N.D.					
6	Total Suspended Solids	ng/L	APNA 22** Ed.2012,2540+ D, 2-66	100	82:0					
.3.	Dissolved Phosphate (as P)	.teg/L	AFHA 22" Ed.2012,4500-P-C, 4-153	5.0	N.D.					
0	Fluoride (as F)	mg/L	AFHA 22" Ed. 2012, 4500-F-Bab, 4-84687	2.0	0.14					
9	Load (as Pb)	mg/1/	APHA 27" E0.2012, 3111-B, 3-18	0.1	N.D.					
10	Zinc (as Zn)	mg/1,	APNA 22" Ed. 2012, 3311-8, 3-18	5.0	0.36					
11	Copper (as Co)	mq/1,	APRA 22" Ed. 2012, 3111-0, 3-10	3.0	N.D.					
12	Cadmium (as Cd)	mg/L	APRA 22" Ed. 2012, 3500-Cd. 3-105	2.0	N.D.					
13	Mercury (as Hg)	mg/L	APHA 2200 88.2012,3112-B, 3-23	0.01	N.D.					
10	Arsenic (as As)	ng/L	APHA 2200 Ed.2012, 3114-C, 3-38	0.2	N.D.					
15	Selenium (as Se)	ny/L	APHA 22** Ed.2012,3114-C, 3-38	0.05	N.D.					
16	Total Chronium (as Cr)	ng/L	APHA 22 ¹⁰ Rd.2012,3500-Cr-B,3-69	2.0	N.D.					
I.T.	Chemical Oxygen Demand (COD)	Hg/L	ADHA 22° 68.2012, 5520-8,5-17	250	176.0					
18	Biochemical Oxygen Demand (BOD)	ng/L	18 3025(Part 44):1993,PA 2003	30	34.2					
19	Oil & Grease	mg/L	18 3025(Part 39):1991, PA 2003	10.0	N.D.					
28	Phenolic Compounds(es C_H_OH)	mg/L	15 3025(Part 43):1992,MA 2003	1.0	N.D.					

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

- The report his publication, extremented as a legal dispute is transform. Test sample will be estimated for 15 days after visue of trait report index adherwise agreed with surpose. The is for infolmation as the party has asked for above (with) only.

For ULTIMATE ENVIROLYTICAL SOLUTIONS SKS. IL 4 02/09/22 02/03/22 REVIEWED BY AUTHORIZED SIGNATORY

End of the test report-----

AN ISO - 0001-2015 1100 - 11001 0015 1100

U	timate

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

MARINE PROCESSION OF GROWING

To, HINDALCO INDUSTRIES LIMITED, GARE PALMA - IV/5,			Distance and the second s				
	RA, BLOCK-TAMNAR	Date Of Report	03/10/2022 START: 28/09/2022 END: 03/10/20				
DISTT RAIGARH		SAMP	LE DETAILS				
Sample Type	MASTE WATER		Customer Ref. No.	é Date	P.O.13552 DATED:07.		
Customer Sample ID	ETP INLET, KONDERL		Sample Condition a	t Receipt	(Ok		
Packing Of Sample	3 A S I NO. PWC CAN I I S I NO. PWC CAN I I S I NO. SLADD BOTTLE	Sealed	Sample Collected 2	F	Laborator	y Chemist	
Sampling Procedure	18:3025(FART-I):1987 1 APHA 22 ⁴⁰ ED, 2021, 100		Quantity Received		Approx. 5	ter.	

TEST REPORT THE ENVIRONMENT (PROTECTION) RULES, 1988 (SCHEDULE-VI) PART-A 58. PARAMETER UNIT METHOD OF TEST NO. RESULT INLAND SURFACE WATER APRA 220"Rd. 2012,2120-8,2-6 APRA 220"Rd. 2012,2120-8,2-6 Colour Hazen <1 See 6 of Annesure Odour See 4 of Annessa Agreeable Shall not exceed 5"C :3 Temperature °c. AFHA 22⁵⁴Kd.2012,2130-8,2-13 above the receiving water 25.4 temperature 5.5 to 9.0 APHA 22" Ed.2012,4500-8"-8,6-92 -4 pl 7,24 Total Residual 38 mg/L RFHA 22" 00.2012,4500-01-0, 4 - 69 Chlorine 1.0 N.D. Total Suspended 6 mg/L APHA 22" Ed.2012,2540- 0, 2-66 Solids 100 68.0 Dissolved Phosphate Dissolved Phosp (as P) Fluoride (as P) Teed (as Ph) Sinc (as Sh) Copper (as Cu) Codmium (as Cd) Codmium (as Bch) mg/1 APRA 22" Ed.2012,4500-P-C, 4-153 APHA 22" Bd.2012,4500 P.C, 1-153 APHA 22" Bd.2012,4500 P.C, 1-153 APHA 22" Bd.2012,3111-B, 3-18 APHA 22" Ed.2012,3111-B, 3-18 APHA 22" Ed.2012,3111-B, 3-18 APHA 22" Ed.2012,3111-B, 3-18 APHA 22" Ed.2012,3111-B, 3-18 APHA 22" Ed.2012,3112-B, 3-23 APHA 22" Ed.2012,3112-B, 3-23 APHA 22" Ed.2012,3114-C, 3-30 APHA 22" Ed.2012,3114-C, 3-30 APHA 22" Ed.2012,3124-C, 3-30 5.0 N.D. ng/L ng/L 0.18 N.D. 0.11 mg/1 mg/1 M.D. mg/1 N.D. Marcury (as Eg) Arsenic (as As) Selenium (as Se) m#/T N.D. mg/L mg/L 0.2 N.D N.D. Total Chromium (as 36 itig/L APRA 22" 86.2012,3500-Cr-R.3-69 Cr) Chemical Oxygan N.D. AFHA 22nd Ed.2012, 5520-0,5-17 mg/L: 256 Demand (COD) Biochemical Oxygan 128.0 1.0 ma/L 18 3025(Part 44):1993,NA 2009 30 Demand (BOD) 18.4 Mg/L IS 3005(Eart 39):1991,MA 2003 19 Oil # Grease 10.0 ₩.D. Phonolic żó mg/7_ 15 3025(Part 43):1997,HA 2007 Compounds (as Cell,08) N.D. Note: mg/lit.: milligram per liter, N.D. - Not Detected.

REMARKS: RESULTS ARE AS ADOVE

Terms & conditions

The report for publication, at iation ar es ingel dispute is Norbolden.

Test campin will be retained for 17 days after issue of best report units one to agreed with 12 this is the information as the party has asked for phone (exclud page

For ULTIMATE ENVIROLYTICAL SOLUTIONS Bell 03/10/22 03/10/22 REVIEWED BY AUTHORIZED SIGNATORY -End of the test report---



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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

In Name & Address Of The Customer To, HINDALCO INDUSTRIES LIMITED, GARE PALMA - IV/5, MILUPARA U/G COAL MINE, VILLAGE - MILUPARA, BLOCK-TAMNAR DISTT RAIGARH (C.G.) 496107			Report No Lab Ref No Date Of Sampling Date Of Receipt Date Of Report	and the second s	22	
			Date Of Analysis	START: 27/	END: 02/05/2022	
Contraction of the second		SAMP	LE DETAILS	- Quintaine		Sector States
Sample Type	NASTE NATER		Customer Ref. No.	# Date	M/PO/SRV/ DTD.:24-J	2122/0049, VLY-2021
Customer Sample ID	ETP OUTLET, KONDREL		Sample Condition &	At Receipt	Ok	
Packing Of Sample	J & X I HD. PVC CAN I L X I HD. PVC CAN I L X I HD. DVC CAN I L X I HD. GLASS DOTTLE	Sealed	Sample Collected 1	ly	Laborator	y Chemist
Sampling Procedure	IS:3025(PART-I):1987 RA APNA 22 ⁸⁰ ED. 2021, 1060		Quantity Received		Approx. 5	Ltr.

-				I many management of the second secon	_
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	THE ENVIRONMENT (PROTECTION) RULES, 1986 [SCHEDULE-VI] PART-A INLAND SURFACE WATER	RESULT
1	Colour	Hazen	APHA 22 ¹⁸ Ed. 2012,2120-B,2-6	See 6 of Annexure-I	<1
2	Odour	-	APHA 22"Ed. 2012,2120-B,2-6	Dee 6 of Anneaura-1	Agreeable
3	Temperature	°C	APHA 22 nd Ed.2012,2130-B,2-13	Shall not exceed 5'C above the receiving water temperature	26.2
4	pll	-	APHA 22 nd Ed.2012,4500-H*-B,4-92	5.5 to 9.0	7.46
5	Total Residual Chlorine	mg/%	APHA 22 nd 8d.2012,4500-C1-G, 4 - 69	1,0	м.р.
6	Total Suspended Solids	mg/L	APHA 22 nd Ed.2012,2540- D, 2-66	100	20.0
7	Dissolved Phosphate (as P)	mg/L	APHA 22 nd Ed.2012,4500-P-C, 4-153	5.0	N.D.
B	Fluoride (as F)	mg/L	APHA 22 ^{HF} Ed.2012,4500-F-B4D,4-84 4 87	2.0	0.1
9	Lead (as Pb)	mg/L	APHA 22** Ed.2017,3111-8, 3-18	0.1	N.D.
10.	Zinc (as En)	mg/L	APHA 22** Ed.2012,3111-B, 3-18	5.0	0.16
11	Copper (as Cu)	ng/L	APHA 22 nd Ed.2012,3111-B, 3-18	3.0	N.D.
12	Cadmium (as Cd)	mg/L	APHA 22"" Ed.2012,3500-Cd, 3-105	2.0	N.D.
13.	Marcury (as Hg)	#19/L	APHA 22 ⁴⁴ Ed.2012,3112-B, 3-23	0.01	N.D.
4	Arsenic (as As)	ng/L	APHA 22 nd Ed.2012,3114-C, 3-38	0.2	N.D.
15	Selenium (as Se)	mg/L	APHA 22 nd Ed.2012,3114-C, 3-38	0.05	N.D.
16	Total Chromium (as Cr)	mg/L	APHA 22 nd Ed.2012,3500-Cr-B,3-69	2.0	N.D.
17	Chemical Oxygan Demand (COD)	ng/L	APHA 22 nd Ed.2012, 5520-8,5-17	250	72.0
18	Biochemical Oxygen Demand (BCD)	mg/L	IS 3025(Part 44);1993,HA 2003	30	10.6
19	Oil & Grease	mg/L	18 3025(Part 39):1991,RA 2003,	10.0	N.D.
20	Phenolic Compounds (as C_H_OH)	mg/L	IS 3025(Part 43):1992,RA 2003	1.0	N.D.

REMARKS: RESULTS ARE AS ABOVE

7	Ton	ms	2	00		-hi	÷t,	1.00	100	
	-Cr)	113	CH.	145	,,,,,,	ur:	cr i	383	6 2 0	

The report for publication, arbitration or as legal disperts is trabitation.
 Tare sample with the remined for 15 days after trans of pair legars unlease atherwise agreent with summeries.
 Takes the inheriteding on the party legar and the sample pairs and the party of the sample pairs.

AL.	A Standard	For ULTIMATE ENVIROLYTICAL SOLUTIONS
VIII 22	EE TO BE	St.
02 05		02/05/22
REVIEWED BY	1300 - 5151	AUTHORIZED SIGNATORY

--End of the test report--

22



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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

In Hame & Address Of The I To, HINDALCO INDUST GARE PALMA - IV/5	RIES LIMITED,		Report No Lab Ref No Date Of Sampling Date Of Receipt	and the second se	California de	10	
MILUPARA U/G COAL MINE, VILLAGE - MILUPARA, BLOCK-TAMNAR DISTT RAIGARH (C.G.) 496107			Date Of Report Date Of Analysis	01/06/2022 START:23/05/2022 END:31/05/2			
		SAMP	LE DETAILS			THE REPORT OF	
Sample Type	HASTE HATER		Customer Ref. No.	£ Date	M/PO/SRV/ DTD.:24-J	'2122/0049, VLY-2021	
Customer Sample ID	ETP COTLET, MONDREL		Sample Condition A	At Receipt	Ole		
Packing Of Sample	3 5 X 1 MO. FVC CAN 1 5 X 1 MO. FVC CAN 1 5 X 1 MO. FVC CAN 1 5 X 1 MO. GLASS BOTTLE	Sealed	Sample Collected H	₿y	Laborator	y Chemist	
Sampling Procedure	IS: 3025 (PART-I): 1987 RA APHA 22 ^m ED. 2021, 1060		Quantity Received		Approx. 5	ittr.	

_		_			
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	THE ENVIRONMENT (PROTECTION) RULES, 1886 [SCHEDULE-VI] PART-A INLAND SURFACE WATER	RESULT
1	Colour	Hazen	APHA 22 nd Ed. 2012,2120-B,2-6	See 6 of Annexure-I	<1
2	Odour	1000	APHA 22 nd Ed. 2012,2120-B,2-6	See 6 of Annexure-I	Agreeable
3	Temperature	°C	APHA 22 ¹⁴ Ed.2012,2130-B,2-13	Shall not exceed 5°C above the receiving water temperature	24.8
4	PH	-	APHA 22" Ed.2012,4500-H"-B,4-92	5.5 to 9.0	7.56
5	Total Residual Chlorine	mg/L	APHA 22 nd Ed.2012,4500-C1-G, 4 - 69	1.0	N.D.
б	Total Suspended Solids	mg/L	APHA 22 nd Ed.2012,2540- D, 2-66	100	18.0
7	Dissolved Phosphate (as P)	mg/L	APHA 22 ^{nf} Ed.2012,4500-P-C, 4-153	5.0	N,D,
8	Fluoride (as F)	mg/L	AFHA 22 ⁵⁴ Ed.2012,4500-F-B4D,4-84 a 87	2.0	0.4
9	Lead (as Pb)	mq/L	AFHA 22 nd Ed.2012,3111-B, 3-18	0.1	N.D.
10	Zinc (as Zn)	mg/L	AFHA 22 ⁵³ Ed.2012,3111-B, 3-18	5.0	0,06
11	Copper (as Cu)	mg/L	APHA 22 ⁹⁴ Ed.2012,3111-B, 3-18	3.0	N.D.
12	Cadmium (as Cd)	mg/L	APHA 22 st Ed.2012,3500-Cd, 3-105	2.0	W.D.
13	Mercury (as Hg)	mg/L	APHA 22 ⁸³ Ed.2012,3112-B, 3-23	0.01	M.D.
14	Arsenic (as As)	mg/L	APHA 22 st Ed.2012,3114-C, 3-38	0.2	N.D.
15	Selenium (as Se)	ng/L	APHA 22" Ed.2012,3114-C, 3-38	0.05	N.D.
16	Total Chromium (as Cr)	ng/L	APHA 22 st Ed.2012,3500-Cr-B,3-69	2.0	N.D.
17	Chemical Oxygen Demand (COD)	ng/L	APHA 22 ⁴⁴ Ed.2012, 5520-8,5-17	250	64.0
18	Biochemical Oxygen Demand (800)	mg/L	IS 3025(Part 44):1993,RA 2003	30	9.2
19	Oil 6 Grease	mg/L	IS 3025(Part 39):1991,RA 2003,	10.0	N,D,
20	Fhenolic Compounds (as C_H_OH)	mg/L	IS 3025(Part 43):1992,RA 2003	1.0	N.D.

REMARKS: RESULTS ARE AS ABOVE

(

A

April 10 and 10		.0	Carlos In	81	AT	2.4
Terr	ns	Č,	C01	าตเ	tioi	73

s The report for publication, arbitration or an legal diapata is forbidden. Test sample will be established for 13 days after izous of real report units This is for information on the party loss asteed for above length) andy. For ULTIMATE ENVIROLYTICAL SOLUTIONS udl Jet: 01/06 2 AUTHORIZED SIGNATORY

REVIEWED BY

-End of the test report-



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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

to Name & Address Of The G	Caretratory		Report No	UES/TR/2	/22-23/01093		
To,			Lab Ref No	UES/22-2	3/W/02425		
HINDALCO INDUST	RIES LIMITED,		Date Of Sampling	23/06/2022			
GARE PALMA - IV/5		Date Of Receipt	24/06/20	22			
MILUPARA U/G CO.	AL MINE,		Date Of Report	01/07/20	22		
VILLAGE - MILUPARA, BLOCK-TAMNAR DISTT RAIGARH (C.G.) 496107			Date Of Analysis	START:24/06/2022 END:30/06/20			
an Alexandra		SAMP	LE DETAILS		-		
Sample Type	WASTE WATER		Customer Hef. No.	# Date	M/FO/SEV/ DTD.:24-J	2122/0049, ULY-2021	
Customer Sample ID	ETF OUTLET, MONDEL		Sample Condition A	At Receipt	Øk		
Packing Of Sample	3 L M 1 NO. FWC GAM 1 L X 3 NO. FWC GAM 1 L X 3 NO. BLASS BOFFLE	Sealed	Sample Collected H	iy	Laborator	y Chemist	
Sampling Procedure	15:3025(PART-1):1967 RJ APHA 22 ^{ME} ED. 2021, 106		Quantity Received		Арриок. 5	LEE.	

TEST REPORT							
SR. NO.	PARAMETER UN		METHOD OF TEST	THE ENVIRORMENT (PROTECTION) RULES, 1986 (SCHEDULE-VI) PART-A INLAND SURFACE WATER	RESULT		
-1	Colour	Bazen	APHA 2214Ed. 2012,2120-B,2-6	See f of Annesure-1	<1		
2	Odour	-	APHA 22**Ed. 2012,2120-8,2-6	See 6 of Annexors-1	Agreeable		
3	Temperature	°C.	APHA 22**6d.2012,2130-8,2-13	Shall not exceed 5°C above the receiving water temperature	25.2		
4	pH	-	APHA 22" Ed. 2012,4500-H"-H,4-92	5.5 to 9.0	7.62		
5	Total Residual Chlorine	ng/L	APNA 22° Ed.2012,4500-C1-G, 4 - 69	1.0	N.D.		
ñ	Total Suspended Solida	mg/L	APHA 22° Ed.2012.2540- D, 2-66	100	20.0		
Ť	Dissolved Phosphate (as P)	mg/%	APHA 22° Ed.2012,4500-P-C, 4-153	5.0	H.D.		
8	Fluoride (as F)	mg/L	APHA 22" Ed.2012,4500-F-B4D,4-84 4 87	2.0	0.3		
.9	Lead (an Pb)	mg/L	APHA 22 nd Ed.2012,3111-B, 3-18	0.1	N.D.		
10	Einc (as En)	mg/1	AFHA 22 nd Ed.2012,3111-H, 3-18	5.0	0.08		
11	Copper (as Cu)	mg/L	APHA 22" Ed. 2012, 3111-B, 3-18	3.0	N.D.		
12	Cadmiun (as Cd)	-ing/1-	APHA 22" Ed. 2012, 3580-Cd, 3-105	2.0	N.D.		
10.1	Mercury (as Hg)	199/1-	APHA 22 rd Ed.2012,3112-B, 3-23	0.01	N.D.		
14	Arsenic (as As)	mg/L	APHA 2208 Ed.2017,3114-C, 3-38	0.2	N.D.		
10.	Selenium (as Se)	11g/1	APHA 22" Ed. 2012, 3114-C, 3-38	0.05	N.D.		
16	Total Chromium (as Cr)	ng/L	APHA 22 nd Ed.2012;3500-Cr-B ₂ 3-69	2.0	N.D.		
12	Chemical Oxygen Demand (COD)	ng/L	APRA 2200 Ed.2012, 5520-B,5-17	250	58.0		
18	Biochemical Oxygen Demand (800)	ng/L	IS 3025(Part 44):1993,88 2003	30	10.5		
19	Oil & Grease	mg/L	18 3025(Part 39):1991,8A 2003,	10.0	N.D.		
29	Phenolic Compounds (as C_H_ON)	ng/L	IS 3025(Part 43):1992, MA 2003	1.0	N.D.		

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

- The report for publication, arbitration or as legal dropole in forbidition.
 Test sample will be related for 13 days after usaw of test region entering extension agreed with conformer.
 The is for information as the party bas solved for above of agreed with conformer.

0 10	19/2018	For ULTIMATE ENVIROLYTICAL SOLUTIONS
Plugar	軍る馬	Truth
REVIEWED BY	The and the	AUTHORIZED SIGNATORY

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

AN ION - DOOR DOAR FLOOR 14004-204E FLOO 4E004-2048 CEDTIEIED I ABODATORY



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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

To Name & Automas Or The . To,	Contomor		Report No Lab Ref No	and a second with the parameter of	ÆS/TR/22-23/01826 ÆS/22-23/W/03711 6/07/2022		
HINDALCO INDUST	Constraints on the state of the state of the state of the		Date Of Sampling	26/07/20			
GARE PALMA - IV/	i,		Date Of Receipt	27/07/2022			
MILUPARA U/G CO	AL MINE,		Date Of Report	01/08/20	2022		
VILLAGE - MILUPA DISTT RAIGARH	RA, BLOCK-TAMNAR (C.G.) 496107		Date Of Analysis	START: 27/07/2022 END: 01/0			
a satur		SAMPI	LE DETAILS				
Sample Type	KASTE KATER	Customer Ref. No.	b. & Date M/PO/GRV/2122/0049, DTD.:24-JULY-2021				
Customer Sample ID	ETF OUTLET, KONDREL		Sample Condition At Receipt Ok		Ok		
Packing Of Sample	3 1 8 1 80. FVC CMW 3 1 8 1 80. FVC CMW 1 1 8 1 80. EVC CMW 1 1 8 1 80. ELASS BOTTLE	Sample Collected By Lab		Laborator	borstory Chemist		
Sampling Procedure	Quantity Received Approx. SLtr.		Ltr.				

TEST REPORT							
SR. NQ,	PARAMETER UNI		METHOD OF TEST	THE ENVIRONMENT (PROTECTION) RULES, 1968 [SCHEDULE-VI] PART-A INLAND SURFACE WATER	RESULT		
1	Colour	Hazen	APHA 22 ^{re} Ed. 2012,2120-B,2-€	See 6 of Annexure-1	<1		
2	Odour		APHA 2200Ed: 2012,2120-B,2-6	Inst 6 of Annexors	Agreeable		
3	Temperature	÷e .	APHA 22"Ed.2012,2130-B,2-13	Shall not exceed 5'C above the receiving water temperature	24.3		
-4	pH	-	AFKA 22" Ed.2012,4500-H'-B,4-92	5.5 to 9.0	7.48		
5	Total Residual Chlorine	ng/L	APRA 22 nd Ed.2012,4500-Cl-G, 4 - 69	1.0	N.D.		
6	Total Suspended Solids	ng/L	APHA 22** Ed.2012,2540- D, 2-66	100	24.0		
7	Dissolved Phosphate (as P)	mg/L	APHA 22 ^{et} Rd.2012,4500-P-C, 4-153	5.0	N.D.		
1	Fluoride (as F)	mg/1.	APHA 22" Ed.2012,4500-F-BAD,4-84 & 87	2.0	0.6		
9	Lead (as Fb)	mg/L	APHA 22 nd Ed. 2012, 3111-B, 3-18	0.1	N.D.		
10	Einc (as En)	mg/L	APHA 22 ^{al} Ed.2012,3111-B, 3-18	5.0	0.11		
11	Copper (as Cu)	mg/L	APHA 22 nd 8d.2012,3111-8, 3-18	3.0	N.D.		
12	Cadalun (as Cd)	mg/L	APHA 22" Ed. 2012, 3500-Cd. 3-105	2.0	N.D.		
13	Marcury (as Ng)	#g/L	AENA 22" Ed.2012,3112-B, 3-23	0.01	N.D.		
14	Arsenic (ss As)	mg/L	APHA 22" Ed.2012,3114-C, 3-38	0.2	N.D.		
15.	Selenium (as Se)	mg/L	AFHA 22° Ed.2012,3114-C, 3-38	0.05	N.D.		
16	Total Chronium (as Cr)	nq/L	APHA 2200 Ed.2012,3580-C1-8,3-69	2.0	N.D.		
17	Chemical Oxygen Demand (COD)	ng/L	APHA 22' Ed.2012, 5520-8,5-17	250	64.0		
18	Biochemical Oxygen Demand (BOD)	ng/1	TR 3025(Fart 44):1993,RA 2003	30	12.4		
19	Oil & Grease	ng/L	18 3025(Eart 39):1991,RA 2003,	10.0	N.D.		
20	Phenolic Compounds (as C_R_OH)	ng/L	18 3025(Fart 43):1992,EA 2003	1.0	м.р.		

REMARKS: RESULTS ARE AS ABOVE

- Terms & conditions
- The report for public n or as legal dispate if firthigh White, A
- Test sample with the inflational list 15 slages after inside of test respect unless attentione agreed with car This is fee inflationalism as the party has asked for above testing to an OLY 7



--- End of the test report--

0	
U	timate

(

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

Minimi (Koc., GED/PGPGR/US)

	TRIES LIMITED, 5, AL MINE, RA, BLOCK-TAMNAR		Report No UES/TW/22-23/02860 Lab Ref Na UES/22-23/W/07981 Date Of Sampling 25/08/2022 Date Of Receipt 26/08/2022 Date Of Report 02/09/2022 Date Of Analysis START:26/05/2022				
DISTT RAIGARH	(C.G.) 496107	SAMP	LE DETAILS			2002-022-03/2022	
Sample Type	WASTE WATER		Customer Ref. No. & Date		VERBAL COMMUNICATION		
Customer Sample ID	ETF OUTLET, SCHEREL		Sample Condition At Receipt Ck		CR		
Packing Of Sample	3 1 X 1 MC FWC CAN 1 1 X 1 MC FWC CAN 1 1 X 1 MC FWC CAN 1 1 X 1 MC GLASS BOTTCS	Sample Collected By		Laboratory Chamist			
Sampling Procedure	Quantity Received Approx. Sits.		Ltr.				

SR. NO,	PARAMETER	UNIT	METHOD OF TEST	THE ENVIRONMENT (PROTECTION) BULES, 1966 [SCHEDULE-VI] PART A INCAND SURFACE WATER	RESULT
2	Odour	Hazen	APRA 22"Ed. 2012,2120-8,2-6	See 6 of Annexure-1	<1
	odour	1. 61	APHA 22 ^{od} Ed. 2012,2120-B,2+6	See # nf Annazura-1	Agreeable
3	Temperature	°¢	АРНА 22 nd Ed:2012,2130-В;2-13	Shall not exceed 5'C above the receiving water temperature	24.2
4	pH	-	APBA 22" Ed.2012,4500-H"-E,4-92	5.5 to 9.0	7,42
.5	Total Residual Chlorine	mg/L	APHA 22** Ed.2012,4500-C1-G4 4 - 69	1.0	N.D.
6	Yotal Suspended Solids	Fotal Suspended 209/L AFHA 22" Ed.2012,2540- D, 2-66		100	20.0
7	Dissolved Phosphate (as P)	#g/%	APHA 22 nd md.2012,4500-P-C, 4-153	5.0	N.D.
9	Fluoride (as F)	ng/L APHA 22nd Ed. 2012, 4500-F-84D, 6-84 4		2.0	0.6
9	Lead (an Pb)	ng/L	APHA 22" Ed.2012,3311-B. 3-18	0.1	(157,2994)
1.0	Zinc (se Zn)	ng/L	APHA 22 nd Ed. 2012, 3111-B, 3-18	5.0	N.D.
11	Copper (as Cu)	ng/1	APHA 22 ¹⁴ Ed. 2022, 3111-B, 3-10	3.0	0.08 N.D.
12	Cadmium (as Cd)	mg/1.	AFHA 22** Ed. 2012, 3500-Cit. 3-105	2.0	N.D.
13	Mercury (as Hg)	#12/1.	AFHA 22" Ed.2012,3112-B, 3-23	0.01	N.D.
14	Arsenic (as As)	mg/1	APHA 22" Ed. 2012, 3114-C. 3-38	0.2	N.D.
15	Selentus (as Se)	mg/2	APRIA 22*** Ed.2012,3114-C, 3-38	0.05	N.D.
26	Total Chromium (am Cr)	ng/L	APHA: 22** Ed. 2012, 3500-Cz-E, 3-69	2.0	N.D.
17	Chesical Oxygen Demand (COD)	ng/L	APHA 22 ^{ed} Ed.2012, 5520-8,5-17	250	50.0
18	Biochemical Oxygen Demand (BOD)	mg/1.	IS 3025(Part 44):1993, BA 2003	30	10.8
19	Oil & Grease	mg/L	IS 3025(Part 391:1991, NA 2003,	10.0	
in l	Phenolic Compounds (as C _s H _s OH)	mg/L	IS 3025(Part 03):1992, MA 2003	10.0	N.D.

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

The report two publication, writtention or as ingor dripson in tertection. Text sample will be related for 15 mays after reaso of and report soften otherweak agreed with contenter. This is for information as the party has asked for allow control day.

For ULTIMATE ENVIROLYTICAL SOLUTIONS Rell AUTHORIZED SIGNATORY 02/03/22 REVIEWED BY -----End of the test report-----

AN ICO . COOL COLE LIGE . LIGE . LIGE

U	

(

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

Partial NO COESIECHMINGS

In Norre & Address 20 The To,			Report No Lab Nef No	and the second sec	2-23/0330 3/W/08588	
HINDALCO INDUS			Date Of Sampling	27/09/20	deter and the second second	
GARE PALMA - IV			Date Of Receipt	28/09/20	22	
MILUPARA U/G CO			Date Of Report	03/10/20	22	
VILLAGE - MILUPA DISTT RAIGARN	RA, BLOCK-TAMNAR (C.G.) 496107	Date Of Analysia	START: 28/	09/2022	RMD:03/10/2022	
		SAMP	LE DETAILS			
Sample Type	mple Type WASTE WATER		Customer Ref. No. & Date		P.0.13552310212, DATED:07.09.2022	
Customer Sample ID	ETP OUTLET, RONDREL		Sample Condition At Receipt Ok			
Packing Of Sample	3 L S A NO. PVC CAN 1 L S I NO. PVC CAN 4 L S I NO. REASS BOTTLE	Sealed	Sample Collected H		Laborator	y Chemist
Sampling Procedure	IS: 3025(PART-I):1987 RA APHA 22 ⁰⁰ KD. 2021, 1060	Quantity Received Approx. 5Ltr.				

TEST REPORT

SR.	PARAMETER	method of feat		THE ENVIRONMENT (PROTECTION) RULES, 1980 [SCHEDULE-VI] PART-A INLAND SURFACE WATER	RESULT
1	Colour	Hazen	APHA 22 Ed. 2012,2120-8,2-6	See 6 of Annesure-I	<1
2	Odour	1.4	APRA 22"8d, 2012,2120-8,2-6	Dee 6 of Annauta 1	Agreeable
3	Temperature	1.00	APRA 22"4Ed.2012,2130-8,2-13	Shall not enceed 5'C Above the receiving Water temperature	25.6
34	PH	- 1	APRA 22" Ed.2012,4500-H'-H,4-92	5-5-10 910	7.14
Э.	Total Residual Chlorine	ing/L	APHA 22 ^{ed} 50.2012,4500-01-0, 4 - 69	1.0	9.14 N.D.
10	Total Suspended Solids	mg/1.	APMA 22" Ed.2012,2540- D, 2-66	100	26.0
4	Dissolved Phosphate (as P)	mg/1.	APHA 22 ⁵⁰ Ed.2012,4500-P-C, 4+153	5.0	N.D.
ñ,	Fluoride (as F)	:0j/%	APHA 22" Ed.2017,4500-F-BaD,4-84 a	2.8	0.3
3	Lead (as Pb)	mg/L	APHA 22" Ed.2012,3111-8, 3-10	011	10000
10	Zinc (as En)	mg/L	APHA 22" Ed.2012,3111-8, 3-18	5.0	N.D.
11	Copper (as Cu)	一种煤产工	APSA 22" Ed.2012,3111+B, 3-18	310	0.16
12	Cadmium (as Cd)	101714	APHA 22" Ed. 2012, 3500-Cd. 3-105	2,0	N.D.
1.9	Morcury (as Hg)	mg/li	AFHA 22 Ed.2012,3112-8, 3-23	0,01	N.D.
14	Arsenic (as As)	mg/L	APHA 22" Ed.2012,3114-C, 3-38	0.2	N.D.
5	Selenium (as Se)	mg/L	APHA 22" Ed. 2012, 3114-C, 3-38	0.05	3V - D -
6	Total Chromium (as Cr)	mg/1.	APHA 22" Ed.2012,3500-Cr-8,3-69	210	N.D.
Ĵ.	Chamical Oxygen Demand (CCD)	mg/1,	APHA 22" Ed.2012, 5120-8,5-17	250	52.0
ñ	Biochemical Oxygen Demarid (BOD)	mg/L	IS 3025(Part 44):1993,88 2003	30	16.8
8	Oil & Grease	ma/L	IS 3025(Part 39):1991,88 2003,		
0	Phenolic	ng/L	IS 3025(Part 43)(1992,WA 2003)	10.6	N.D.
_	Compounds (as C ₄ B ₂ OH)		** anelinary #1117035768 5003	1.10	N.D.

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

This report for antibilities, whereas in an input disease in forbodies. This service will be related for 17 days after losse of ford report others other This is the information as the party for active for active bring antiwhich approved with exa-

Bell 03/10/22 REVIEWED BY

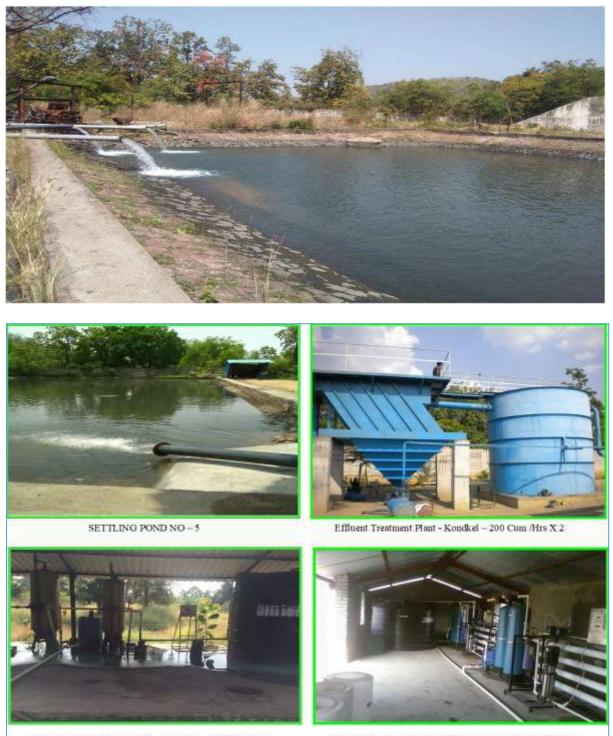
----End of the test report--

For ULTIMATE ENVIROLYTICAL SOLUTIONS L AUTHORIZED SIGNATORY

AN 100 - 0001-0045 1100 - 41004 0045 11

Annexure-7A

Photographs of Treatment facilities



Water Treatment Plant (WTP) - Kondkel - 5 X 5 Cum / Hrs

Reverse Osmosis Plant (RO Plant) - Kondkel 2 x 2 Cum/Hrs





Reverse Osmosis Plant (RO Plant) – Milupara – 5 Cum / Hrs

Iron Removal Plant (IRP Plant) - Milupara - 5 Cum / Hrs.



Annexure-8



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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

GARE PALMA - IV MILUPARA U/G C	STRIES LIMITED, //5, OAL MINE, ARA, BLOCK-TAMNAR	Report No Lab Ref No Date Of Sampling Date Of Receipt Date Of Report Date Of Analysis		22 22	1990: 02/05/2022	
DISTT RAIGAR	H (0.0.) 490107	SAMP	LE DETAILS			
Sample Type	WASTE WATER		Customer Ref. No. & Date		M/PO/SRV/2122/0049, DTD.:24-JULY-2021	
Customer Sample ID	STP INLEY, PORTACABIN		Sample Condition At Receipt		Ok	
Packing Of Sample	3 1 X 1 MO. FVC CAF 1 L X 1 MO. FVC CAF 1 L X 1 MO. GLASS BOTTLE	Sealed	Sample Collected By		Laborator	y Chemist
Sampling Procedure	IS: 3025 (PART-I): 1987 RA 2003; AFMA 22 ²⁰ ED. 2021, 1060-B, 1-39		Quantity Received		Approx. 5	ittr.

CITED TO CONTRACT

SR. NO.	PARAMETER	PARAMETER UNIT METHOD OF TEST		THE ENVIRONMENT (PROTECTION) RULES, 1985 [SCHEDULE-VI] PART-A INLAND SURFACE WATER	RESULT
1	Colour	Hazen	APHA 22 ⁵⁸ Ed. 2012,2120-B,2-6	See 6 of Annexure-I	4
2	Odour	-	APHA 22"Ed. 2012,2120-B,2-6	See 6 of Anneaure-I	Agreeable
3	Temperature	°C	APHA 22 ⁵⁰ Ed.2012,2130-B,2-13	Shall not exceed 5°C above the receiving water temperature	25.8
4	PH	-	APHA 22" Ed.2012,4500-H'-B,4-92	5.5 to 9.0	7.86
5	Total Residual Chlorine	ng/L	APHA 22 ^{ad} Ed.2012,4500-C1-G, 4 - 69	1.0	N.D.
6	Total Suspended Solide	ng/L	APHA 22" [#] Ed.2012,2540- D, 2-66	100	45.0
7	Dissolved Phosphate (as P)	ng/L	APHA 22** Ed.2012,4500-P-C, 4-153	5.0	N.D.
8	Fluoride (as F)	ng/L	APHA 22 ⁴⁸ Ed.2012,4500-F-BaD,4-84 a 87	2.0	0.4
.9	Lead (as Pb)	ng/L	APHA 22st Ed.2012,3111-8, 3-18	0.1	N.D.
10	Einc (as En)	ng/L	APHA 22" Ed.2012,3111-8, 3-18	5.0	0.26
11	Copper (as Cu)	ng/L	APHA 22" Ed.2012,3111-8, 3-18	3.0	N.D.
12	Cadmium (as Cd)	ng/L	APHA 22 ⁵⁴ Ed.2012,3500-Cd, 3-105	2.0	N.D.
13	Mercury (as Hg)	ng/L	APHA 22" Ed.2012,3112-8, 3-23	0.01	N.D.
14	Arsenic (as As)	ng/L	APHA 22" Ed.2012,3114-C, 3-38	0.2	N.D.
15	Selenium (as Se)	mg/L	APHA 22" Ed.2012,3114-C, 3-38	0.05	N.D.
16	Total Chromium (as Cr)	mg/L	АРНА 22 ^{н4} Ed.2012,3500-Cr-B,3-65	2.0	N.D.
17	Chemical Oxygen Demand (COD)	ng/L	APHA 22 ^{mt} Ed.2012, 5520-B,5-17	250	162.0
18	Biochemical Oxygen Demand (BCD)	mg/L	15 3025(Part 44):1993,RA 2003	30	22.6
19	Cil & Grease	mg/L	IS 3025(Part 39):1991,RA 2003,	10.0	N.D.
20	Phenolic Compounds (as C.H.OH)	mg/L	IS 3025(Part 43):1992,RA 2003	1.0	N.D.

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

The report for polylication, arbitration or an legal dispare in Sochöden. Text sample will be oriented for 15 days ofter insue of less report unless other This is for information as the party has autori for above leaging galg. wite agreed with costs

For ULTIMATE ENVIROLYTICAL-SOLUTIONS 02/05/22 0 AUTHORIZED SIGNATORY

REVIEWED BY

-End of the test report-

1.

2 2



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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

to Home & Address Of The L	Castroner		Report No	UES/TR/2	2-23/0111	7	
то,			Lab Ref No	UES/22-2	8		
	STRIES LIMITED,		Date Of Sampling	22/05/2022			
GARE PALMA - IV	2429 C.		Date Of Receipt	23/05/20	23/05/2022		
MILUPARA U/G C			Date Of Report	01/06/20	01/06/2022		
DISTT RAIGARI	ARA, BLOCK-TAMNAR H (C.G.) 496107	Date Of Analysis	START: 23/05/2022 END: 31/05,				
	CEL IN THE R. L	SAMP	LE DETAILS	10137		THE PARTY INCOME.	
Sample Type	WASTE WATER		Customer Ref. No. 4 Date		M/PO/SRV/2122/0049, DTD.:24-JULY-2021		
Customer Sample ID	STP INLET, PORTACABIN		Sample Condition At Receipt		Ok.		
Packing Of Sample	3 1 X 1 BO. FVC CAN 1 1 X 1 HO. FVC CAN 1 1 X 1 HO. FVC CAN 1 1 X 1 HO. GLAGE BOTTLE	Sealed	Sample Collected By		Laborator	y Chemist	
Sampling Procedure	ing Procedure 15:3025(PART-I):1987 RA 2003; APHA 22 ²⁰ KD. 2021, 1060-B, 1-39		Quantity Received		Approx. 5Ltr.		

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	THE ENVIRONMENT (PROTECTION) RULES, 1986 [SCHEDULE-VI] PART-A INLAND SURFACE WATER	RESULT
1	Colour	Bazen	APHA 22 nd Ed. 2012,2120-B,2-6	See 6 of Annexure-I	<1
2	Odouz	-	APHA 22 nd Ed. 2012,2120-B,2-6	Sea 6 of Annexure-I	Agreeable
3	Tesperature	°¢	AFHA 22""Ed.2012,2130-B,2-13	Shall not exceed 5°C above the receiving water temperature	25.8
4	pH .	-	APHA 22" Kd. 2012, 4500-H*-B, 4-92	5.5 to 9.0	7.16
5	Total Residual Chlorine	ng/L	APHA 22 ^{sst} Ed.2012,4500-C1-G, 4 - 69	1.0	N.D.
6	Total Suspended Solids	mg/L	APHA 22 nd Ed.2012,2540- D, 2-66	100	30.0
7	Dissolved Phosphate (as P)	mg/L	APHA 22 ^{MI} Ed.2012,4500-P-C, 4-153	5.0	N.D.
8	Fluoride (as F)	ng/L	APHA 22 ^{MI} Ed.2012,4500-F-B6D,4-84 6 87	2.0	0.6
9	Lead (as Pb)	mg/L	APHA 22 nd Ed.2012,3111-B, 3-16	0.1	N.D.
10	Zinc (as In)	mg/L	APHA 22 ^{MI} Ed.2012,3111-B, 3-18	5.0	0.34
11	Copper (as Cu)	mg/L	APHA 22 nd Ed.2012,3111-B, 3-18	3.0	N.D.
12	Cadmium (as Cd)	mg/L	APHA 22 ^{ml} Ed.2012,3500-Cd, 3-105	2.0	N.D.
13	Mercury (as Hg)	mg/L	APHA 22 nd #d.2012,3112-B, 3-23	0.01	N.D.
14	Arsenic (as As)	mg/L	APHA 22 ^{mf} Ed.2012,3114-C, 3-38	0.2	N.D.
15	Selenium (as Se)	mg/L	APHA 22 ^{mf} Ed.2012,3114-C, 3-38	0.05	N.D.
16	Total Chromium (as Cr)	mg/L	APHA 22 nd Ed.2012,3500-Cr-B,3-69	2.0	N.D.
17	Chemical Oxygen Demand (COD)	mg/L	APHA 22 nd Ed.2012, 5520-B,5-17	250	132.0
18	Biochemical Oxygen Demand (BOD)	mg/L	IS 3025(Part 44):1993, RA 2003	30	21.6
19	Oil & Grease	mg/L	IS 3025(Part 39):1991,RA 2003,	10.0	N.D.
20	Phenolic Compounds (as C _s H ₂ OH)	mg/L	IS 3025(Part 43):1992,RA 2003	1.0	N.D.

REMARKS: RESULTS ARE AS ABOVE

0

Terms & conditions

The report for publication, orbitration or an legal dispute is forhiddan. Test sample will be related for 10 steps which lesses of lost report unleap This is for information as the party has asked for above length only.

For ULTIMATE ENVIROLYTICAL SOLUTIONS 01/06 AUTHORIZED SIGNATORY

REVIEWED BY

had

01/06/27

-End of the test report-



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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

to Name & Address Of The L	Second and ready		Report No UES/TR/22-23/01094			4
To,			Lab Ref No	UES/22-2		
	STRIES LIMITED,		Date Of Sampling	Of Sampling 23/06/2022		
GARE PALMA - IV	12.11.2 Commences and		Date Of Receipt	24/06/20	24/06/2022	
MILUPARA U/G C			Date Of Report	01/07/2022		
DISTT RAIGARI	ARA, BLOCK-TAMNAR H (C.G.) 496107	Date Of Analysis	START: 24/06/2022 END: 30/0			
		SAMPI	LE DETAILS			San States
Sample Type	WASTE WATER	Customer Ref. No. & Date		M/VO/SRV/2122/0049, DTD.:24-JULY-2021		
Customer Sample ID	STF INLEY, PORTACABIN		Sample Condition At Receipt		Ok	
Packing Of Sample	3 1 X 1 KO, FWC GAW 1 1 X 1 KO, FWC GAW 1 2 X 1 KO, GLASS ROTTLE	Sealed	Sample Collected By		Laborator	y Chemist
Sampling Procedure	IS: 3025 (PART-1): 1987 RA 2003; APHA 22 ^{MC} ED. 2021, 1060-B, 1-39		Quantity Received		Approx. 5Ltr.	

TEST REPORT									
SR. NO.	DADAMETER		METHOD OF TEST	THE ENVIRONMENT (PROTECTION) RULES, 1998 (SCHEDULE-VI) PART-A INLAND BURFACE WATER	RESULT				
1	Colour	Hagen	APHA 22" Ed. 2012,2120-E,2-6	See 6 of Annexure-1	<1				
2	Odour	2010-000	APHA 22"dEd. 2012,2120-8,2-6	See & of Panneware-I	Agreeabl				
31	Temperature	10	Арна 22 ⁴⁴ Ed.2012,2130-В,2-13	Shall not exceed 5°C above the receiving water temperature	25.4				
4	pH	-	APHA 22 ^{ml} Ed.2012,4500-H'-B,4-92	5.5 to 9.0	7.28				
5	Total Residual Chlorine	mg/L	АРНА 22 ⁴⁸ Ed.2012,4500-C1-G, 4 - 69	1.0	8.D.				
6	Total Suspended Solida	mg/1.	APHA 22** Ed.2012,2540- D, 2-66	100	38.0				
7 5	Dissolved Phosphate (as P)	mg/L	APHA 22 ^{sd} Ed.2012,4500-P-C, 4-153	5.0	N,D.				
	Fluoride (as F)	ng/L	APHA 22** Ed.2012.4500-F-BaD,4-84 a	210	0.4				
9	Lead (as Pb)	ng/L	APHA 22** Ed.2012,3111-B, 3-18	0.1	N.D.				
10	Zinc (as En)	ng/L	APHA 22 ^{HF} Ed.2012,3111-B, 3-18	5.0	0.24				
11	Copper (as Cu)	ng/1.	АРНА 22 ⁴⁸ Ed.2012,3111-8, 3-18	3.0	N.D.				
12	Cadmium (as Cd)	ng/L	APHA 22" Ed.2012,3500-Cd, 3-105	2.0	N.D.				
13	Mercury (as Hg)	ng/L	APHA 22 nd Ed.2012,3112-8, 3-23	0.01	N.D.				
14	Arsenic (as As)	ng/L	APHA 22 nd Ed.2012,3114-C, 3-38	0.2	N.D.				
15	Selenium (as Se)	ng/L	APHA 22 ⁴⁸ Ed.2012,3114-C, 3-38	0.05	N,D.				
16	Total Chromium (as Cr)	ng/L	APHA 22 nd Ed.2012,3500-Ct-8,3-69	2.0	N,D,				
17	Chemical Oxygen Demand (COD)	mg/L	AFHA 22 ⁴⁴ Ed.2012, 5520-8,5-17	250	146.0				
18	Biochemical Oxygen Demand (BCD)	mg/L	IS 3025(Part 44):1993,88 2003	30	26.4				
19	Oil & Grease	mg/14	IS 3025(Fart 39):1991,WA 2003,	10,0	N.D.				
20	Phenolic Compounds (as C _c H _s OB)	mg/L	15 3025(Part 43):1992,RA 2003	1.0	N.D.				

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

- The report for publication, arbitration or as legal dispute in fridhiddins.
- Lest sample will be retained for 15 days after insue of test report.



End of the test report



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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

to Name & Address Of The I	Teaternar		Report No	UES/TE/2	2-23/0182	7	
To,			Lab Ref Ro	UES/22-2	-23/W/03712		
일 영양의 방송 방송 방송 등 관계	STRIES LIMITED,		Date Of Sampling	26/07/20	22		
GARE PALMA - IN	A REAL PROPERTY AND A REAL PROPERTY AND A		Date Of Receipt	27/07/20	27/07/2022		
MILUPARA U/G C	ARA, BLOCK-TAMNAR		Date Of Report	01/08/20	01/06/2022		
DISTT RAIGAR	1 1 2 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1		Date Of Analysis	START:27/07/2022 END:01/08			
Contraction of the second		SAMPI	LE DETAILS				
Sample Type	WASTE WATER		Customer Bef. No. & Date		M/PO/SRV/ DTD. :24-0	2122/0049, VLY-2021	
Customer Sample ID	STP INLET, PORTACABIN		Sample Condition #	t Receipt	Ok		
Packing Of Sample	2 E X 1 MO. FVC CAN 1 I X 1 MO. FVC CAN 1 I X 1 MO. GLAIM NOTTLE	Sealed	Sample Collected 1	By Laboratory Chamist		y Chamist	
Sampling Procedure	pling Procedure 15:3025(PART-1):1987 FA 2003/ APHA 22 ^{MT} ED. 2021, 1060-B, 1-39		Quantity Received		Approx. SLtr.		

TEST REPORT								
SR. PARAMETER		TER UNIT METHOD OF TEST		THE ENVIRONMENT (PROTECTION) RULES, 1980 ISCHEDULE-VI) PART-A INLAND SURFACE WATER	RESULT			
1.	Colour	Bazen	AFNA 2200Ed. 2012,2120-8,2-6	See 6 of Annexure-I	<1			
12	Odour	-	APHA 2200Ed. 2012,2120-8,2-6	See & of Appendize-I	Agreeab1			
3	Tesperature	*2	АРНА 22000-0.2012,2130-0,2-13	Shall not exceed 5°C above the receiving water temperature	25.2			
4	pB	-	APRA 22nd Ed. 2012, 4500-HT-D, 4-92	5.5 to 9.0	7.33			
5	Total Residual Chlorine	ng/L	AFHA 22 nd Ed.2012,4500-C1-G, 4 - 69	1.0	N.D.			
б	Total Suspended Solids	ng/1	APHA 22 rd Ed.2012,2540- 0, 2-66	100	32.0			
7	Dissolved Phosphate (as P)	ng/L	APHA 2248 Ed.2012,4500-P-C, 4-153	5.0	N.D.			
8	Fluoride (as F)	#g/L	RPHA 22*4 Ed.2012,4500-F-B4D,4-84 a	2.0	0.2			
9	Lead (as Pb)	ng/L	APHA 22td Ed. 2012, 3111-8, 3-18	D.1	N.D.			
10	Einc (as En)	ng/L	APHA 22 ^M Ed.2012.3111-B, 3-18	5.0	0.16			
11	Copper (as Cu)	10g/L	APHA 22 nd Ed.2012,3111-B, 3-16	3:0	N.D.			
3.2.	Cadalum (as Cd)	ng/L	APHA 22 ⁵⁴ Ed.2012,3500-Cd, 3-105	2.0	N.D.			
13	Mercury (as Hg)	ing/L	APHA 22 nd Ed.2022,3112-8, 3-23	0.01	N.D.			
14	Arsenic (as As)	mg/L	APHA 22 nd Ed.2012.3114-C, 3-36	0.2	N.D.			
15	Selanium (as Se)	mg/L	APRA 22" Ed.2012,3114-C, 3-38	0,05	N.D.			
\$6	Total Chromium (ms Cr)	ng/L	AFEA 22** Ed.2012,3500-Cz-B,3-69	3.0	N.D.			
17	Chemical Oxygen Demand (COD)	ng/L	АРНА 22-4 Бд.2012, 5520-8,5-17	250	128.0			
28	Biochemical Oxygen Demand (BCD)	ng/L	IS 3025(Part 44):1993,00 2003	30	22.0			
19	Oil & Grease	ng/L	IS 3025(Part 39):1991,RA 2003,	10.0	N.D.			
2.0	Phenolic Compounds (as C.H.OH)	mg/L	IS 3025(Part 43):1992,0A 2083	1.0	N.D.			

REMARKS: RESULTS ARE AS ABOVE

	States of the state of the state of the	
Terms	& conditions	

- The report for publication, arbitration or as legal dispute in furbidition.
 Test sample will be intrasted for 15 days after fiture of test period, dispute otherwise agreed with customer.
 This is for information as the party has asked for above form), and, This .

This is for information as the party ha	n asked for above from 26mgc 2	
	SA OD SE	For ULTIMATE ENVIROLYTICAL SOCUTIONS
Arielle_		- M.
c1/08/22	Contraction of the second	0108/22
REVIEWED BY	00	AUTHORIZED SIGNATORY

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

Ultimate EMARCALITICAL SOLUTIONS

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

WITHOUT WE ARE AN ANY MICH

to Nome & Address of the To .	Centomer		Report No	UES/TR/2	2-23/0286	i	
1.23	STRIES LIMITED.		Lab Ref No	No UES/22-23/W/07982			
GARE PALMA - IN			Date Of Sampling	25/08/20	22		
MILUPARA U/G C			Date Of Receipt	26/08/20	26/08/2022		
	ARA, BLOCK-TAMNA	P	Date Of Report	02/09/20	02/09/2022		
DISTT RAIGAR		Date Of Analysis	START: 26/05/2022 KND: 02/05		KND: 02/09/2022		
		SAMP.	LE DETAILS	202	- 11	and the second second	
Sample Type	NASTE MATER		Customer Ref. No. & Date		VERBAL COMMUNICATION		
Customer Sample ID	STP INLEY, PORTACABIN		Sample Condition At Receipt		Ok .		
Packing Of Sample	3 L R I NO. FTC CAN I L R I NO. FTC CAN I L R I NO. FTC CAN I L R J NO. diant mottle	Sealed	Sample Collected By		Laborator	y Chemist	
Sampling Procedure 18:3025(PART-I):1987 RA 2003; APRA 22 ⁸⁶ ED. 2021, 2060-B, 1-39		Quantity Received		Appros. SLEr.			

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	THE ENVIRONMENT (PROTECTION) RULES, 1986 [SCHEDULE-VI] PARTA INLAND SURFACE WATER	RESULT	
2	Colour	Hasen	APHA 22 nd Ed, 2012,2120-8,2-6	See 6 of Annexure-1	<1	
6	odour	o Affrent	APNA 22"Ed. 2012,2120-B,2-6	Sell E of Annesace-1	Agreeable	
3	Temperature	°c	АРНА 22MEd.2012,2130-8,2-11	Shall not exceed 5°C above the receiving water temperature	25.2	
4	PH	+	BPHA 22" Rd. 2012, 4500-H-B, 4-92	5.5 to 9.0	7.32	
5	Total Residual Chlorine	eg/L	APHA 22" Rd.2012,4500-C1+G, 4 - 69	1.0	N.D.	
6	Total Suspended Solide	mg/L	APHA 22 ⁶⁴ Sd.2012,2540- D. 2-66	100	32.0	
т	Dissolved Phosphate (as P)	mg/1.	AFMA 2200 Ed.2012,4500-F-C, 4-153	5.0	N.D.	
	Fluoride (as F)	ng/L	AFHA 22 nd Ed.2012, 4500-F-BAD, 4-64 4 87	2.0	0.3	
9	Lead (as Pb)	10g/L	APHA 22 nd KH.2012,3111-B, 3-18	0.1	N.D.	
10	Zinc (as Zn)	mg/L	APHA 22" Ed.2012,3111-B, 3-18	5.0	0.18	
11	Copper (as Cu)	mg/1,	APHA 22" Ed.2012,3111-8, 3-18	3.0	N.D.	
12	Cadmium (an Cd)	mg/1,	APHA 22 nd Ed. 2012, 3500-Cd. 3-105	2.0	N.D.	
13	Hercury (as Eg)	πg/L	APHA 22" Ed. 2012; 3112-8, 3-23	0.01	N.D.	
15	Arsenic (as As)	#47/L	APHA 22-4 Ed.2012,3114-C, 3-38	0.2	N.D.	
	Selenium (as Se)	1811/L	APHA 22 nd Ed. 2012, 3114-C, 3-38	0.05	H.D.	
16	Total Chromium (as Cr)	Hg/L	APHA 22*** Ed.2012,3508-Cr-8,3-69	2.0	N.D.	
17.	Chemical Oxygen Demand (COD)	mg/L	APHA 22** Ed.2012, 5520-8,5-17	250	139.0	
1.0	Biochemical Oxygen Demand (BOD)	mq/L	IS 3025(Part 44):1993,RA 2003	30	16.8	
19.	Oil 6 Graase	mg/L	15 3025(East 39):1991.RA 2003.	10.0	N.D.	
20	Phanolic Compounds (as C.R.OH)	ng/L	18 3025(Part 43)+1992,RA 2003	1.0	N.D.	

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

This reprint the possibilitation, webstream or an legal disposite is Architeken. Their sample will be retained for 55 days after resure of their report selects interview equived with surfacement This is for information as the purry has asked for above sinkly 600.

For ULTIMATE ENVIROLYTICAL SOLUTIONS Rech AUTHORIZED SIGNATORY 02/03/22 REVIEWED BY -----End of the test report-

AN ICO . DODLODIE LIGO . LIGO

2	1		
U	tim	nat	e

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

To,	Constanting of the second s		Report No	UKS/TR/2	KS/TR/22-23/03305 ES/22-23/W/08589		
	CTRUES LINUTER		Lab Ref No	UES/22-2			
	STRIES LIMITED,		Date Of Sampling	27/09/20	22		
GARE PALMA - IV MILUPARA U/G C	CONTRACTOR INCOMENTS		Date Of Receipt	28/09/20	28/09/2022		
	ARA, BLOCK-TAMNAR		Date Of Report	03/10/20	03/10/2022		
DISTT RAIGAR		5. C	Date Of Analysis	START: 28/09/2022 #MD: 03/10			
		SAMP	LE DETAILS				
Sample Type	WASTE WATER	NASTE MATER		Customer Ref. No. & Date		F.O.13552310212, DATED:07.09.2022	
Customer Sample ID	STP INLET, PORTACABIN		Sample Condition At Receipt		Ok		
Packing Of Sample	2 1 2 1 90, FVC CAN 1 5 2 1 90, FVC CAN 1 5 2 1 90, FVC CAN	Sealed	Sample Collected By		Laboratory Chemist		
Sampling Procedure	IS:3025(PART-I):1907 RA 2003; APHA 22 ⁸⁰ ED. 2021, 1060-B, 1-39		Quantity Received		Approx. SLEr.		

TEST REPORT

SR. NO.	PARAMETER			THE ENVIRONMENT (PROTECTION) RULES, 1986 [SCHEDULE-VI] PART-A INLAND SURFACE WATER	RESULT
1	Colour	Hazen	APHA 22 ⁰⁰ Ed. 2012,2120-B,2-6	See # of Annexurs-1	<1
2	Odour	-	APHA 22"Ed. 2012,2120-B,2-6	Hee < at Annasura-1	Agreeable
\$2	Temperature	(rel	APHA 22""Ed.2012,2130-8,2-13	Shall not exceed 5'C above the receiving Water temperature	25.6
4	pH	-	APRA 22 ^{tot} Ed.2012,4500-H'-B.4-92	5.5 to 9.0	7.08
5.	Total Masidual Chlorine	mg/L	APHA 22 ¹⁴ 88,2012,4500-01-0, 4 - 69	1.0	N.D.
4	Yotal Suspended Solids	mq/L	APHR 22 nd Ed.2012,2548- 7, 2-66	100	36.0
1	Dissolved Phosphate (as P)	mg/L	APHA 22 nd Ed.2012,4500-⊬-⊂, 4-153	0.0	H.D.
8	Fluoride (as P)	ing/12	APRA 22" Ed.2017,4500-F-B40,4-84 a	2.0	0.8
9	Lead (as Pb)	ttg/L	APHA 22" Ed.2012,3311-B, 3-18	6.1	N.D.
10	Einc (as In)	100/L	APHA 22" Ed.2012,3111-B, 3-10	5.0	0.16
11	Copper (as Cu)	10972	АРНА 22"" Ed.2012,3111-B, 3-18	3.0	N.D.
12	Cadmium (as Cd)	11g/L	APHA 22" D1.2012,3500-Cd, 3-105	2.0	N.D.
13	Marcury (as Hg)	163/1	AFHA 22 ¹³ Ed.2012,3112-B, 3-23	0.01	N.D.
14	Arsenic (as As)	'mg/3,	APNA 22** Ed.2012,3114-C, 3-38	0.2	N.D.
15	Selenium (as Se)	tad/T	APHA 22" Ed.2012,3214-C, 3-38	0.05	N.D.
16	Total Chromium (as Cr)	mg/L	APHA 22 nd Ed.2012,3500-Cr-8,3-69	2.0	N.D.
17	Chemical Oxygen Demand (COD)	==q?3.	APBA 22 nd Ed.2012, 5520+8,5+27	-250	144.0
18:	Biochemical Oxygen Demand (BOD)	-mg/L	18 3025(Part 44):1993,0A 2003	30	18.2
19	Oil 6 Greass	.mg/1i	18 3025 (Part 35):1991,88 2003.	10.0	N.D.
20	Phenolic Compounds (as C.H.OH)	mg/2,	IS 3025(Part 43):1992,8A 2003	1.0	N.D.

REMARKS: RESULTS ARE AS ABOVE

Belle

03/10/22

REVIEWED BY

Terms & conditions

The region for publication, advination or an legal dispose is histoliklen. Text sample will be intrained for 12 days after oracle of text performance information agreed with costs This is for information as the parts has unlead for already safety with

For ULTIMATE ENVIROLYTICAL SOLUTIONS by AUTHORIZED SIGNATORY

--End of the test report---



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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

In Name & Address Of Tee To, HINDALCO INDUST GARE PALMA - IV/5 MILUPARA U/G CO VILLAGE - MILUPA	RIES LIMITED,		Report No Lab Ref No Date Of Sampling Date Of Receipt Date Of Report	Lab Ref No UES/22-23/W/0497 Date Of Sampling 26/04/2022 Date Of Receipt 27/04/2022		
DISTT RAIGARH	(C.G.) 496107	Date Of Analysis	START: 27/04/2022 END: 02/05/			
		SAMP.	LE DETAILS		w/no /ame	2120 (22.15
Sample Type	RASTE WATER		Customer Ref. No.	& Date	M/PO/SRV/2122/0049, DTD.:24-JULY-2021	
Customer Sample ID	STP OUTLET, PORTA CABL	N	Sample Condition At Receipt		0k	
Packing Of Sample	3 L X I WO. PVC CAN I L X I WO. PVC CAN I L X I WO. GLASS BOTTLE	Sealed	Sample Collected	By Laboratory Chemis		y Chemist
ampling Procedure IS: 3025 (PART-I):1987 FA 2003; APMA 22 ⁵⁰ KD. 2021, 1060-B, 1-39		Quantity Received	1	Approx. 5	Ltr.	

OF PERSON

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	THE ENVIRONMENT (PROTECTION) RULES, 1984 [SCHEDULE-VI] PART-A INLAND SURFACE WATER	SUMP WATER
1	Colour	Hazon	APHA 22 ⁵⁴ Ed. 2012,2120-B,2-6	See 6 of Annexure-I	<1
2	Odour		APHA 22"Ed. 2012,2120-B,2-6	See 6 of Annexare-I	Agreeable
3	Temperature	7.9	APHA 22""Ed.2012,2130-8,2-13	Shall not exceed 5°C above the receiving water temperature	25.2
4	pH	-	APHA 22 ⁵⁴ Ed.2012,4500-H*-B,4-92	5.5 to 9.0	7.34
5	Total Residual Chlorine	mg/L	APNA 22 nd Ed.2012,4500-C1-G, 4 - 69	1.0	N.D.
6	Total Suspended Solids	mg/L	APHA 22 nd Ed.2012,2540- D, 2-66	100	22.0
7	Dissolved Phosphate (as P)	mg/L	APHA 22 nd Ed.2012,4500-P-C, 4-153	5.0	N.D.
8	Fluoride (as F)	mg/L	APHA 22 ⁴⁸ Ed.2012,4500-F-B4D,4-84 4 87	2.0	0.3
9	Load (as Pb)	mg/L	APRA 22 ⁸⁸ 8d.2012,3111-B, 3-18	0,1	N.D.
10	Zinc (as Zn)	mg/L	APHA 22" Ed.2012,3111-B, 3-18	5.0	0.14
11	Copper (as Cu)	mg/L	APRA 22" Ed.2012,3111-B, 3-18	3.0	N.D.
1,2	Cadmium (as Cd)	mg/1/	APRA 22" Ed.2012,3500-Cd, 3-105	2.0	N.D.
13	Mercury (as Hg)	mg/G	APHA 22 ⁴⁸ Ed.2012,3112-B, 3-23	0.01	N.D.
14	Arsenic (as As)	mg/L	APHA 22"" Ed.2012,3114-C, 3-38	0.2	N.D.
15	Selenium (as Se)	ng/L	APHA 22"" Ed.2012,3114-C, 3-38	0.05	N.D.
16	Total Chromium (as Cr)	mg/L	APHA 22 ^{nf} Ed.2012,3500-Cr-B,3-69	2.0	N.D.
17	Chemical Oxygen Demand (COD)	ng/L	APHA 22 ⁸⁸ Ed.2012, 5520-8,5-17	250	64.0
18	Biochemical Oxygen Demand (BCD)	ng/L	IS 3025(Part 44):1993,RA 2003	30	12.4
19	Oil & Grease	mg/L	18 3025(Part 39):1991,RA 2003,	10.0	N.D.
20	Phenolic Compounds (as C.H.ON)	mg/L	IS 3025(Part 431:1992,RA 2003	1.0	N.D.

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

The report for publication, articlenities or an legal dispute in forbidden.
 Test sample will be retained for 13 days after issue of test report unless who

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

An	A STREET STREET	For ULTIMATE ENVIROLYTICAL SOLUTIONS
ATC 122		- Jut
02/05/		Cartosta2
REVIEWED BY	a stall	AUTHORIZED SIGNATORY

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



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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

to Name & Address Of The I	Teor to more		Report No	Report No UES/TR/22-23/01118				
To,			Lab Ref No	UES/22-2	UES/22-23/W/01132 22/05/2022			
HINDALCO INDUST GARE PALMA - IV/5	No. 2 Conservation of the second second		Date Of Sampling	22/05/20				
MILUPARA U/G CO			Date Of Receipt	23/05/20	22			
	RA, BLOCK-TAMNAR		Date Of Report	01/06/20	1/06/2022			
DISTT RAIGARH	(C.G.) 496107	Dete Of Analysis	START: 23/05/2022 END: 31/05/					
		SAMP	LE DETAILS		0	A CARLES AND		
Sample Type	WASIE WATER		Customer Ref. No. & Date		M/PO/SRV/2122/0049, DID.:24-JULY-2021			
Customer Sample ID	STP OUTLET, PORTA CABIN		Sample Condition At Receipt		Cik			
Facking Of Sample	JIXINO, FWC CAN IIXINO, FWC CAN IIXINO, FWC CAN IIXINO, GLASS ROTTLE		Sample Collected By		Laboratory Chemist			
Sampling Procedure	IS: 3025 (PART-I): 1987 RA 2003: APHA 22 ³⁰ ED. 2021, 1060-B, 1-39		Quantity Received	Quantity Received		Approx. 5Ltr.		

		1		Contraction of the second s	the second s
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	THE ENVIRONMENT (PROTECTION) RULES, 1986 [SCHEDULE-VI] PART-A INLAND SURFACE WATER	SUMP WATER PIT-D
1	Colour	Basen	APHA 22""Ed. 2012,2120-B,2-6	See 6 of Annexure-I	<1
2	Odour	-	APHA 22 nd Ed. 2012,2120-B,2-6	See 6 of Annexura-1	Agreeable
3	Temperature	۶ć	APHA 22 ¹⁴ Ed.2012,2130-8,2-13	Shall not exceed 5°C above the receiving water temperature	24.8
4	pH		APHA 22 ⁶⁴ Ed.2012,4500-H*-B,4-92	5.5 to 9.0	7.62
5	Total Residual Chlorine	mg/L	AFHA 22 ^{ml} Ed.2012,4500-Cl-G, 4 - 69	1.0	N.D.
6	Total Suspended Solids	ng/L	AFHA 22" Ed.2012,2540- D, 2-66	100	22.0
7	Dissolved Phosphate (as P)	mg/L	AFHA 22" Ed.2012,4500-P-C, 4-153	5,0	N.D.
8	Fluoride (as F)	mg/1	APHA 22 nd Ed.2012,4500-F-B6D,4-84 6 87	2.0	0,2
9	Lead (as \$2)	ng/L	APHA 22" Ed.2012,3111-B, 3-18	0.1	N.D.
10	Zinc (as En)	mg/L	APHA 22" Ed.2012,3111-B, 3-18	5.0	0.06
11	Copper (as Cu)	ng/L	APHA 22 nd Ed.2012,3111-B, 3-18	3,0	N.D.
12	Cadmium (as Cd)	mg/L	APHA 22" Ed.2012,3500-Cd, 3-105	2.0	N.D.
13	Mercury (as Hg)	mg/L	APHA 22" Ed.2012,3112-8, 3-23	0.01	N.D.
14	Arsenic (as As)	mg/L	APHA 22 ^{bf} Ed.2012,3114-C, 3-38	0.2	N.D.
15	Selenium (as Se)	mg/L	APHA 22" Ed.2012,3114-C, 3-38	0.05	N.D.
16	Total Chronium (as Cr)	mg/L	APHA 22 nd Ed.2012,3500-Cr-B,3-69	2.0	N.D.
17	Chemical Oxygen Demand (COD)	mg/1	APHA 22 nd Ed.2012, 5520-8,5-17	250	32.0
18	Biochemical Oxygen Demand (BOD)	mg/L	IS 3025(Part 44):1993,RA 2003	30	6.8
19	Oil & Grease	mg/L	IS 3025(Part 39):1991,RA 2003,	10.0	N.D.
20	Phenolic Compounds (as C _e H ₂ CH)	mg/L	IS 3025(Part 43):1992,RA 2003	1.0	N.D.

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

- The report for publication, arbitration or an input dispute in furbilider. Toor userpla will be origined for 15 days after issue of our report artis This is for information as the party issu anised for above feating only.
- dan te

For ULTIMATE ENVIROLYTICAL SOLUTIONS 20 25 22 22 0106 AUTHORIZED SIGNATORY REVIEWED BY -End of the test report-



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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

to Name & Address Of The I	Sestamor		Report No	Report Mc UES/TR/22-23/01095			
To,			Lah Ref No	UES/22-2	UES/22-23/W/02427		
HINDALCO INDUST GARE PALMA - IV/5	SALVA SAN LUCCOULS AND SAL		Date Of Sampling	23/06/20	22		
MILUPARA U/G CO.			Date Of Receipt	24/06/20	22		
	RA, BLOCK-TAMNAR		Date Of Report	01/07/20	01/07/2022		
DISTT RAIGARH	(C.G.) 496107	Date Of Analysis	START: 24/06/2022 END: 30/06/				
		SAMPI	LE DETAILS	1.797.000			
Sample Type	WASTE WATER		Customer Ref. No. & Date		M/PO/SRV/2122/0049, DTD.:24-JULY-2021		
Customer Sample ID	STP OUTLET, FORTA CADIN		Sample Condition At Receipt		ak		
Packing Of Sample	3 L 8 I RO. FVC CAM 1 L 8 I RO. FVC CAM 1 L 8 I RO. FVC CAM 1 L 8 I RO. SLASS BOTTLE	Sealed	Sample Collected	Ву	Laboratory Chemist		
Sampling Procedure	IS: 3025(PART-I): 1967 RA 2003; APHA 22 ⁸⁶ ED. 2021, 1060-B, 1-39		Quantity Received		Approx. 5Ltr.		

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	THE ENVIRONMENT (PROTECTION) RULES, 1986 [SCHEDULE-VI] PART-A INLAND SURFACE WATER	SUMP WATER	
1	Colour	Hazen	АРНА 22"Ед. 2012,2120-8,2-6	See 6 of Annexure-1	<1	
2	Odour	11.5.1	APHA 22**Ed, 2012,2120-B,2-6	See 6 of Annazure-I	Agreeable	
3	Temperature	'č	Арна 22 ^{н4} Ed.2012,2130-8,2-13	Shall not exceed 5°C above the receiving water temperature	25.2	
4	pH	-	APHA 22 ³⁸ Ed.2012,4500-H'-B,4-92	5.5 to 9.0	7.48	
5	Total Residual Chlorine	mg/L	АРНА 22** Ed.2012,4500-01-G, 4 - 69	1.0	N.D.	
6	Yotal Suspended Solids	mg/L	APHA 22** Ed.2012,2540- D. 2-66	100	18.0	
\mathcal{T}_{-}	Dissolved Phosphate (as P)	mg/L	APHA 22** Ed.2012,4500-P-C, 4-153	5.0	N.D.	
н	Fluoride (as F)	mg/L	APHA 22 ⁵⁸ Ed.2012,4590-#-B6D,4-84 & 87	2.0	0.1	
.9	Lead (as Pb)	mg/L	APHA 22"" Ed.2012,3111-B, 3-18	0.1	N.D.	
10	Sinc (as En)	mg/L	APHA 22** Ed.2012,3111-8, 3-18	5,0	0.09	
11	Copper (as Cu)	mg/L	APHA 22** Ed.2012,3111-B, 3-16	Э.0	N.D.	
12	Cadmium (as Cd)	ng/L	APHA 22 ^{ed} Ed.2012,3500-Cd, 3-105	2.0	N.D.	
13	Mercury (as Eg)	ng/L	APHA 22 ⁴⁸ 86,2012,3112-8, 3-23	0.01	N.D.	
14	Arsenic (as As)	ng/L	APHA 22"" Ed.2012,3114-C, 3-38	0.2	N.D.	
15	Selenium (as Se)	mg/L	APHA 22** Ed.2012,3114-C, 3-38	0.05	N.D.	
16	Total Chromium (as Cr)	ng/L	APHA 22** Ed.2012,3500-Cr-8,3-69	2.0	N.D.	
17	Chemical Oxygen Demand (COD)	ng/L	APHA 22** Ed.2012, 5520-8,5-17	250	26.0	
18	Biochemical Oxygen Demand (BOD)	ng/L	IS 3025(Part 44):1993,RA 2003	30	8.4	
19	Oil & Grease	ng/L	IS 3025(Part 39):1991,RA 2003,	10.0	N.D.	
20	Phenolic Compounds (as C.H.OH)	ng/L	IS 3025(Part 43):1992,8A 2003	1.0	N.D.	

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

- The report for publication, arbitration or at legal dispute is forbidden
- Test sample will be retained for 15 days after issue of test of
- This is for information as the party has asked for





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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

te Name & Address Of The I	Distilization		Report No	UES/TR/2	22-23/01826			
To, HINDALCO INDUST	DIECIMATED		Lab Bat No	UES/22-2	UES/22-23/W/03713			
GARE PALMA - IV			Date Of Sampling	26/07/20	22			
MILUPARA U/G CO			Date Of Receipt	27/07/20	27/07/2022			
	RA, BLOCK-TAMNAR		Date Of Report	01/08/2022				
DISTT RAIGARH	(C.G.) 496107	Date Of Analysis	START-27/07/2022 END:01/08/					
All There is the		SAMP	LE DETAILS	1				
Sample Type	WASTE WATER		Customer Ref. No.	\$ Date	M/PO/SRV/2122/0049, DTD,:24-JULY-2021			
Customer Sample ID	STP OUTLET, PORTA CABI	N	Sample Condition At Receipt		Ok			
Packing Of Sample	8 E X 1 MO. PVC CBH 1 E X 1 MO. PVC CBH 1 E X 1 MO. PVC CBH 1 E X 1 MO. GCARS BOTTLE	Sealed	Sample Collected By		Laboratory Chemist			
Sampling Procedure	Procedure IS: 3025 (PART-I): 1987 RA 2003; AFMA 22 ⁴⁰ ED. 2021, 1060-B, 1-39		Quantity Received		Approx. 5Ltr.			

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	THE ENVIRONMENT (PROTECTION) RULES, 1988 [SCHEDULE-VI] PART-A INLAND SURFACE WATER	SUMP WATER PIT-D
L	Colour	Hazen	APHA 1200Ed. 2012,2120-8,2-6	See 6 of Annexure-1	<1
2	Odour	-	AFHA 22" Ed. 2012,2120-8,2-6	2we 6 of Annesure-1	Agreeable
3	Temperature	°c	ADHA 22ººEd.2012,2130-8,2-13	Shall not exceed 5°C above the receiving water temperature	25.6
4	Ън		APHA 22 nd Ed.2012,4500-H*-B,4-92	5.5 to 9.0	7.28
5	Total Residual Chlorine	ng/L	RPHA 2244 Ed.2012,4500-C1-G, 4 - 69	1.0	N.D.
6	Total Suspended Solids	mg/1_	ADHA 22** Ed.2012.2540- D. 2-66	180	20.0
\mathfrak{X}	Dissolved Phosphate (as P)	ng/L	APHA 22 ^{ad} Ed.2012,4500-P-C, 4-153	(5.70)	N.D.
0	Fluoride (as F)	mg/L	APHA 22" Ed. 2012, 4500-F-BAD, 4-84 & 87	2.0	0.4
9.1	Load (as Pb)	#ig/1.	APMA 22 nd Ed.2012,3111-B, 3-16	0.1	N.D.
10	Zinc (as En)	mg/L	APHA 22= Ed.2012,3111-E, 3-18	5.0	0.08
11	Copper (es Cu)	mg/L	APHA 22" Ed. 2012, 3111-B, 3-18	3.0	N.D.
12	Cadmium (as Cd)	#19/L	APHA 22 nd Ed. 2012, 3500-Cd, 3-105	2.0	N.D.
13	Mercury (as Hg)	mg/L	APHA 22 nd Ed.2012,3112-E, 3-23	0,01	N.D.
14	Arsenic (as As)	mg/L	APHA 22 nd Ed.2012,3114-C, 3-38	0.2	N.D.
15	Selenium (as Se)	mg/1	APHA 22 nd Ed.2012,3114-C, 3-38	0.05	N.D.
16	Total Chromium (as Cr)	mg/1,	APHA 22 ^{od} Ed.2012,3500-Cr-B,3-69	2.0	N.D.
17	Chemical Oxygen Demand (COD)	mg/L	APHA 22 nd Ed.2012, 5520-8,5-17	250	30.0
18	Biochemical Oxygen Desand (BOD)	mg/L	IS 3025(Fart 44):1993,RA 2003	30	6.2
19.	Oil & Grease	mg/1.	IS 3025(Part 39):1991, RA 2003,	10.0	N.D.
20	Phenolic Compounds (as C_H_OH)	ng/1	18 3025(Part 43):1992,EA 2003	1.0	N.D.

REMARKS: RESULTS ARE AS ABOVE

- Terms & conditions
- The report for publication, additation or at legal dramer is horbidden.
 Test sample will be extinued for 15 days after issue of test report adds. Vencouse agreed will container
 This is for followington as the party has asked for above tested order.

	15/2 (2) (3/2)	For ULTIMATE ENVIROLYTICAL SOLUTION
And the		Lef
01/08/20		to and alan
REVIEWED BY	0 0 0	AUTHORIZED SIGNATORY

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

Ultimate

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

to Nome & Address Of The I			Report No	Report No UES/TR/22-23/02862			
To, HINDALCO INDUST	DIECIMITED		Lab Ref No	UES/22-2	2-23/W/07983 0/2022		
GARE PALMA - IV/5			Date of sampling	25/08/20			
MILUPARA U/G CO	· · · · · · · · · · · · · · · · · · ·		Date Of Receipt 26/08/2022				
VILLAGE - MILUPA	RA, BLOCK-TAMNAR		tate of Report	02/09/2022			
DISTT RAIGARH (C.G.) 496107			Date Of Analysis	START-26/05/2022 END:02/09/			
		SAMP	LE DETAILS			(IIII =)(IIII =	
Sample Type	WASTE WATER		Customer Ref. No. & Date		VERBAL COMMUNICATION.		
Customer Sample ID	STP OUTLET, POSTA CABIN		Sample Condition At Receipt		Ok		
Facking Of Sample	ing Of Sample Jixis: PC CAP Sealed		Sample Collected By		Laboratory Chemist		
ampling Procedure IS:3025(PART-1):1987 RA 2003; APHA 22 ⁴⁰ ED. 2021, 1060-B, 1-39		Quantity Received Approx.		SLEE.			

TEST REPORT							
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	THE ENVIRONMENT (PROTECTION) BULES, 1986 [SCHEDULE-VI] PART-A INLAND SURFACE WATER	SUMP WATES PIT-D		
1.	Colour	Hazen	APHA 22**Ed. 2012,2120-5,2-6	See 5 of Annexure-I	<1		
2	Odour	1000	АРНА 22**кн. 2012,2120-8,2-6	See 6 of Annessre-I	Agreeable		
3	7esperature	se	арна 22°ся.2012,2130-8,2-13	Shall not exceed 5'C above the receiving water temperature	25.6		
- 4	pH	-	APRA 22" Ed. 2012, 4500-HT-B, 4-92	5.5 to 9.0	7.48		
5	Total Residual Chlorine	mg/1	ABBA 22 ^{ed} Ed.2012,4500-C1-G, 4 - 69	1.0	N.D.		
.6	Total Suspended Solids	mg/L	APHA 22 ⁴⁴ Ed.2012,2540- D, 2-66	100	20.0		
52	Dissolved Phosphate (as P)	mg/1	APSIA 22** Ed.2012,4500-P-C, 4-153	5.0	N.D.		
8	Fluoride (as F)	ng/L	APMR 22" Ed. 2012, 4500-E-BED, 4-04 4 87	2.0	0.16		
9	Lead (as Pb)	mg/1.	APHA 22" Ed.2012,3111-B, 3-18	0.1	N.D.		
3.0	Zinc (as En)	mg/L	APEB 22" Ed:2012,3111-B, 3-18	5.0	0.06		
11	Copper [as Cu]	mg/t	APHA 22 ⁻⁴ Ed.2012,5111-B, 3-10	1.0	N.D.		
12	Cadmium (as Cd)	mq/1.	APER 22" Ed.2012,3500-Cd, 3-105	2.0	N.D.		
13	Mercury (as Hg)	mg/L	APHA 22° Ed. 2012, 3112-8, 3-23	0.01	N.D.		
14	Arsenic (as As)	mg/L	AFHA 22 ^{sd} Ed.2012,3114-C, 3-38	0.2	N.D.		
15	Selenium (as Se)	mg/L	AEHA 22" Ed.2012,3114-C, 3-38	0.05	N.D.		
16	Total Chromium (as Cr)	mg/L	APRA 2200 Ed.2012,3500-Cr-8,3-69	2.0	N.D.		
13	Chemical Oxygen Demand (COD)	ng/L	APHA 22 ⁵⁰ Em.2012, 5520-8,5-17	250	24.0		
18	Riochemical Oxygen Demand (BOD)	ng/L	15 3025(Fart 44):1993,RA 2003	30	8.2		
39	Oil & Grease	mg/L	15 3025 [Part 39]:1991, RA 2003.	10.0	N.D.		
20	Phenolic Compounds (as CalleOH)	mg/L	15 3025(Part 431:1992.RA 2003	1.0	N.D.		

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

The report for publication, arbitration or as legal disport in kotochies.
 Test assume with the relationst for 15 days after leases of a for espect soften of some dynamic agreeod with costsurent.
 Thes is for indexedual to do party have assed for advoce energy energy.

	ET 20 VE	For ULTIMATE ENVIROLYTICAL SOLUTIONS
Bell		TI
02/03/21		010922
REVIEWED BY		AUTHORIZED SIGNATORY

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

AN ISO - 0001-2015 / 1001-2015 / 1000 / 2001-2010 OF DTIFIER / 1000 - 021 AN

U	timate

(

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

To,	Dephanen	Report No UES/TR/22-23/03306			6	
HINDALCO INDUST	DIES LIMITED		Lab Net No UES/22-23/W/08590			ł
GARE PALMA - IV/S	Construction of the second second	Date Of Hampling 27/09/2022				
MILUPARA U/G CO			Date Of Receipt 28/09/2022			
VILLAGE - MILUPA	RA, BLOCK-TAMNAR		Jate Of Report	03/10/2022		
DISTT RAIGARH (C.G.) 496107			Date Of Analysis	START-20/09/2022 END:03/10/		
		SAMP	LE DETAILS			
Sample Type	HASTE NATER		Customer Ref. No. & Date		P.O.13552310212, DATED:07.09.2022	
Costoner Sample ID	STP OUTLET, PORTA CABIN	r	Sample Condition At Neceipt		ak	
Packing Of Sample	ing Of Sample 51 51 NO. FVC CAN Sealed		Sample Collected By		Laboratory Chemist	
Sampling Procedure IS: 3025 (PART-1): 1987 RA 2003; APRA 22 ⁹⁰ ED. 2021, 1060-B, 1-39			Quantity Received Approx. 5Ltr.		Sitr.	

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	THE ENVIRONMENT (PROTECTION) RULES, 1986 [SCHEDULE-VI] PART-A INLAND SURFACE WATER	SUMP WATER PIT-D
1.	Colour	Basen	APHA 22 ¹⁰ Ed, 2012,2120-B,2+6	See 6 of Annexure-1	<1
22	Odour		APHA 22"8Hd. 2012,2120-8,2-6	The 6 of Annality - I	Agreeable
3	Tesperature	10	AFBR 22"86.2012,2130-8,2-13	fihall not exceed 5°C above the receiving water temperature	24.8
4	pit		APHA 22" Ed.2012,4500-H'-H,4-92	5.5 to 9.0	7.36
50	Total Residual Chlorine	mg/L	AFMA 22** Ed.2012,4508-C1-G, 4 - 69	1.0	N.D.
6	Total Suspended Solids	mg/L	APHA 22"8 Ed.2012,2540- D, 2-66	100	22.0
T_{1}	Dissolved Phosphate (as P)	ag/L	APHA 22 ³⁰ Ed.2012,4509-P-C, 4-153	5+0	N.D.
83	Fluoride (as F)	ng/L	APHA 22"" Ed. 2012, 4500-F-H&D, 4-H4 & 97	2.0	0.18
9	Lead (as Pb)	:mg/L	APHA 22 ¹⁴ Ed.2012,3111-B, 3-18	0.1	N.D.
10	Zinc (as Zn)	mat/L	APHA 2248 Ed.2012,3111-0, 3-18	5.0	0.18
11	Copper (As Cu)	- mg/%	BFHA 22" Ed.2012,3111-H, 3-10	3.0	N.D.
12	Cadmium (as Cd)	HUG/L	APHA 22" Ed.2012,3500-Cd, 3-105	.2.0	N.D.
1.3	Mercury (as Hg)	18:27%	APHA 22 ¹⁴ Ed.2012, 3112-0, 3-23	0.01	N.D.
1.9	Arsenic (as As)	100/1	APHA 22** Ed.2012.3114-C, 3+38	0.2	N.D.
1.5	Selenium (as Se)	ng/L	APHA 22 ⁵⁸ Ed.2012,3114-C, 3+38	0.05	1K.D.
1.6	Total Chromium (as Cr)	ng/L	APHA 22" Ed.2012,3500-CE-8,3-65	2,9	8.0.
17	Chemical Oxygen Demand (COD)	mg/L	ARHA 22 ⁴⁴ Ed.2912, 5520-8,5-17	250	26.0
18)	Biochemical Oxygen Demand (BOD)	ng/L	18 3035(Part 44):1993,88,200)	30	12.8
19	Oil & Grease	ing/L	18 3025(Fart 39):1993,HA 2003,	10:0	N.D.
2.9	Phenolic Compounds (as C_H_OH)	ng/L	15 3025(Part 43):1942,RA 2003	1.0	N.D.

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

The report for publication, arbitration or as legal dispute in britishon. Tool sample will be relatived for 17 days after result of set report assists otherwise agreed with cur The is for differentiation as the party car asked for above legals only.

Belle 03/10/22 REVIEWED BY

For ULTIMATE ENVIROLYTICAL SOLUTIONS 10 22 C ŧ., AUTHORIZED SIGNATORY

-End of the test report-

. . . . ____ -----

Annexure-8A

Sewage Treatment Plant



Sewage Treatment Plant – 50 KLD

Annexure-9



National Accreditation Board for Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

ULTIMATE ENVIROLYTICAL SOLUTIONS

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

"General Requirements for the Competence of Testing & Calibration Laboratories"

for its facilities at

HDD 272, PHASE-III, KABIR NAGAR, RAIPUR, CHHATTISGARH, INDIA

in the field of

TESTING

Certificate Number:

TC-6065

Issue Date:

27/10/2021

Valid Until:

26/10/2023

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL. (To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Identity : ULTIMATE ENVIROLYTICAL SOLUTIONS

Signed for and on behalf of NABL



N. Venkateswaran Chief Executive Officer

महोत्सव



छत्तीसगढ़ पर्यावरण संरक्षण मंडल <u>पर्यावास भवन, सेक्टर – 19,</u>

नवा रायपुर अटल नगर, जिला-रायपुर (छ.ग.) 492002

Email add - hocecb@gmail.com

क्रमांक 1607 मुख्या/वैज्ञा./छ.ग.प.सं.मं./2022 नवा रायपुर, अटल नगर, दिनांक 12/5/2022 प्रति,

श्री अनुराग श्रीवास्तव,

मैर्नजिंग पार्टनर / क्वालिटी मैनेजर,

मेसर्स अल्टीमेट इन्वायरोलाईटिकल सॉल्यूशन्स,

272-एच.डी.डी., फेस-3, कबीर नगर, रिंग रोड नं. 2,

जिला - रायपुर (छ.ग.)

मान्यता के संबंध में।

विषय :--

संदर्भ :--

1. आपका आवेदन पत्र कमांक UES/22-23/027 दिनांक 04/05/2022.

2. मंडल मुख्यालय का पत्र कमांक 3398 दिनांक 17/08/2021.

3. National Accreditation Board for Testing and Calibration Laboratories का सर्टिफिकेट नं. TC-6065 दिनांक 27/10/2021.

प्रदेश में संचालित निजी प्रयोगशाला को छत्तीसगढ़ पर्यावरण संरक्षण मंडल द्वारा प्रदत्त

उपरोक्त विषयांर्तगत संदर्भित पत्रों का अवलोकन करें। लेख है कि मंडल मुख्यालय द्वारा पत्र कमांक 3398 दिनांक 17/08/2021 के माध्यम से आपके निजी प्रयोगशाला को जल (प्रदूषण निवारण तथा नियंत्रण) अधिनियम, 1974 की धारा 17 (2) एवं वायु (प्रदूषण निवारण तथा नियंत्रण) अधिनियम, 1981 की धारा 17 (2) के अंतर्गत मान्यता प्रदान की गई थी, जिसकी वैधता दिनांक 25/06/2022 तक है। संदर्भ – 3 पर उल्लेखित सर्टिफिकेट नं. TC-6065 दिनांक 27/10/2021 के अनुकम में छत्तीसगढ़ पर्यावरण संरक्षण मंडल द्वारा जल (प्रदूषण निवारण तथा नियंत्रण) अधिनियम, 1974 की धारा 17 (2) एवं वायु (प्रदूषण निवारण तथा नियंत्रण) अधिनियम, 1981 की धारा 17 (2) के अंतर्गत प्रदत्त मान्यता की वैधता दिनांक 26/10/2023 तक बढ़ाई जाती है। कृपया आपकी प्रयोगशाला में प्रचालकों की अघतन विश्लेषण दर सूची से मंडल को अवगत कराते हुए इस पत्र की पावती भेजे।

----::00::----



संदरस्य सचिव छन्नीसगढ़ पर्यावरण संरक्षण मंडल, नवा रायपुर अटल नगर, रायपुर (छ.ग.)

पृ.क्रमांक मुख्या/वैज्ञा./छ.ग.प.सं.मं./2022 नवा रायपुर अटल नगर, दिनांक / /2022 प्रतिलिपिः क्षेत्रीय अधिकारी, क्षेत्रीय कार्यालय, छत्तीसगढ़ पर्यावरण संरक्षण मंडल, रायपुर/भिलाई–दुर्ग/बिलासपुर/कोरबा/रायगढ़/अंबिकापुर/जगदलपुर की ओर सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।

> सदस्य सचिव छत्तीसगढ़ पर्यावरण संरक्षण मंडल, नवा रायपुर अटल नगर, रायपुर (छ.ग.)

455

केन्द्रीय प्रदूषण नियंत्रण बोर्ड CENTRAL POLLUTION CONTROL BOARD

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय भारत सरकार MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE GOVT. OF INDIA

F. No. LB/99/7/2021-INST LAB-HO-CPCB-HO/ Pvt/ 4564

Dated: 28th September, 2022

Provisional Certificate

To,

वयांखिण के

Head of Laboratory, M/s Ultimate Envirolytical Solutions, HDD272, Phase-III, Kabir Nagar, Raipur -492099, Chhattisgarh.

Subject: Recognition of M/s Ultimate Envirolytical Solutions, HDD272, Phase-III, Kabir Nagar, Raipur -492099, Chhattisgarh, as Environmental laboratory under the Environmental (Protection) Act-1986.

Sir,

I am directed to refer the online application, dated 24/05/2022 for recognition of your laboratory under Environmental (Protection) Act, 1986. Based on the recommendations of the concerned Division, approval of Competent Authority for recognition of Environmental laboratories and your acceptance of the revised terms and conditions at Annexure-III & IV of the guidelines for recognition of environmental laboratories, CPCB approves the renewal of recognition of M/s Ultimate Envirolytical Solutions, HDD272, Phase-III, Kabir Nagar, Raipur -492099, Chhattisgarh, as shall be notified in the Gazette of India. Considering the current requirement of mandatory accreditation/ certifications of the laboratory, this recognition shall be valid up to 26/10/2023 in continuation to earlier recognition.

- 2. As sought in the aforementioned application M/s Ultimate Envirolytical Solutions, HDD272, Phase-III, Kabir Nagar, Raipur -492099, Chhattisgarh, may undertake the following tests:
 - i. **Physical Tests-** Conductivity, Colour, pH, Fixed & Volatile Solids, Total Solids, Total Dissolved Solids, Total Suspended Solids, Turbidity, Temperature, Velocity & Discharge measurement, Flocculation test (Jar test), Odour, Salinity, Settleable Solids and Sludge Volume Index (SVI).
 - ii. Inorganic (General and Non-Metallic): Acidity, Alkalinity, Ammonical Nitrogen, Chloride, Chlorine residual, Dissolved Oxygen, Fluoride, Total Hardness, Total Kjeldahl Nitrogen (TKN), Nitrite Nitrogen, Nitrate Nitrogen, Phosphate, Sulphate, Bromide, Chlorine Demand, Iodine, Sulphite, Silica, Cyanide and Sulphide.
 - iii. Inorganic (Trace Metals): Boron, Cadmium, Calcium, Chromium Total, Chromium Hexavalent, Copper, Iron, Lead, Magnesium, Mercury, Nickel, Potassium, Sodium, Sodium Absorption Ratio (SAR), Zinc, Arsenic, Aluminium, Barium, Manganese, Selenium and Vanadium.
 - iv. Organics (General) and Trace Organics: Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD), Oil and Grease, Phenolic Compounds, Pesticides (each) (Organochlorine and Organo nitrogen-phosphorus), Total Organic Carbon, Poly-Chlorinated Biphenyl (PCB's) each, Polynuclear Aromatic Hydrocarbon (PAH) each, and Organic Carbon (in solid).
 - v. Microbiological Test: Total Coliform, Faecal Coliform, E. coli, Faecal Streptococci and Total Plate Count.
 - vi. **Toxicological Tests:** Bioassay method for evaluation of toxicity using fish and Measurement of toxicity using Daphnia or Other Organism.
 - vii. Characterization of Hazardous waste: Preparation of Leachate (TCLP extract/water extract), Corrosivity, Ignibility (Flash point), Reactivity and Measurement of heavy metals/ pesticides in the waste and leachate.

Contd.

'परिवेश भवन' पूर्वी अर्जुन नगर, दिल्ली-110032 Parivesh Bhawan, East Arjun Nagar, Delhi-110032 दूरभाष/Tel : 43102030, 22305792, वेबसाईट/Website : www.cpcb.nic.in

- viii.Soil/Sludge/Sediment and Solid Waste: Boron, Cation Exchange Capacity (CEC), Electrical Conductivity, Nitrogen (available), Organic Carbon/matter (Chemical method), pH, Phosphorous (available), Phosphate (ortho), Phosphate (total), Potassium, SAR in Soil Extract, Sodium, Soil Moisture, TKN, Calorific Value, Ammonia, Bicarbonate, Calcium, Calcium Carbonate, Chloride, Colour, Exchangeable Sodium Percentage (ESP), Heavy metal, Magnesium, Nitrate, PAH, Pesticide and Sulphate.
- ix. Ambient Air/ Fugitive Emissions: Nitrogen Dioxide (NO₂), Sulphur Dioxide (SO₂), Total Suspended Particulate Matter, Respirable Suspended Particulate Matter (PM₁₀), Ammonia, Carbon Monoxide, Chlorine, Fluoride, Lead, Ozone, and PM_{2.5}.
- x. Stack Gases/ Source Emission: Particulate Matter, Sulphur Dioxide, Velocity & Flow, Carbon Dioxide, Carbon Monoxide, Temperature, Oxygen, Oxides of Nitrogen, Acid mist, Ammonia, Fluoride (Gaseous), Chlorine and Hydrogen Sulphide.
- xi. Noise Level: Noise Level Measurement (20-140 dBa) and Ambient Noise and Source Specific Noise.
- xii. Meteorological: Ambient Temperature, Wind Direction, Wind Speed, Relative Humidity, and Rainfall.
- 3. Further, the following analysts have been approved as Government Analysts.
 - i. Sh. Anurag K. Shrivastava
 - ii. Smt. Snehal Akulwar
 - iii. Sh. Pramod Choubey
- 2. The laboratory shall compulsorily participate in the Analytical Quality Exercise conducted by the Central Pollution Control Board (CPCB) to ascertain the capability of the laboratory and analysis carried out and shall submit quarterly progress report to CPCB.
- 3. The surprise inspection/periodic surveillance of the recognized environment laboratory will be undertaken by CPCB to assess its proper functioning systematic operation and reliability of data generated at the laboratory.
- 4. It is also mandatory for the laboratory to have requisite accreditations of the ISO: 17025 (NABL) and ISO:45001 (OH&SMS) and its renewal as per accreditation rules. This recognition is subject to such accreditations and renewals as applicable. The laboratory is required to apply online for further renewal of recognition through CPCB web portal after renewal of the mandatory accreditations / certifications concerned.
- 5. The laboratory should compulsorily follow the accepted terms and conditions. In case of serious non-compliance of any of the terms and conditions, the laboratory may be black listed for a minimum period of two years and civil/criminal proceedings, as applicable, may be initiated for performing functions on behalf of the Government in an unauthorized manner.

Yours faithfully,

K.PJ1 28 9122

(Dr. K. Ranganathan) Scientist-E & Divisional Head Instrumentation Laboratory

Annexure-10

Environmental Expenditure Details for FY 2021-22 (From April 2022 to September 2022)

M/s Hindalco Industries Limited, Gare Palma Mines IV/5

Particulars	Amount (Lakh)
Water Quality Management	1.28
Air Quality Management	4.58
Plantation, Green Belt Development	2.39
Others	0.33
Total	8.58