

KCL/ENV/EC-COMP/2024-25/02

Date: 24.05.2024

To,
Additional Principal Chief Conservator of Forest (APCCF)
Ministry of Environment, Forest and Climate Change
Integrated Regional Office,
Aranya Bhavan, Fourth Floor, Room No. 407
Sector 10 A, Gandhinagar, Gujarat 382010

Sub: Six Monthly Compliance status report on Environment Clearance of Greenfield Copper Refinery Project (1.0 MTPA) of Kutch Copper Limited Located at Taluka - Mundra -Mundra, District-Kutch, Gujarat.

Ref: EC Letter No. J-11011/113/2016-IA.II(I) dated 08.05.2020 and subsequent EC amendment letter dated 23.06.2021.

Dear Sir,

With reference to the above subject, please find enclosed herewith Six-Monthly Environment Clearances (EC) Compliance Status Report along with environmental monitoring reports for the period of Oct-2024 to March-2025 in soft (e-mail).

This is for your kind information & record please.

Thanking You,
Yours faithfully,

For Kutch Copper Limited



Deepak Sopori
(Head Operations)

Enclosed: as above.
The Member Secretary
Central Pollution Control Board
Parivesh Bhavan, East Arjun Nagar
Kendriya Paryavaran Bhawan
New Delhi-110032

The Member Secretary
Gujarat Pollution Control Board
Paryavaran Bhawan, Sector-10A
Gandhinagar - 382010

The Regional Officer
Gujarat Pollution Control Board,
Chetna Chamber, Sector-09
Gandhidham, Kandla, Gujarat – 370201

Kutch Copper Limited.
Adani Corporate House
Shantigram, S G Highway
Ahmedabad 382 421
Gujarat, India

Tel +91 79 2656 5555
Fax +91 79 2555 5500
info.nr@adani.com

Regd Office: "Adani Corporate House", Shantigram, Near Vaishno Devi Circle, S. G. Highway, Khodiyar, Abad – 382421

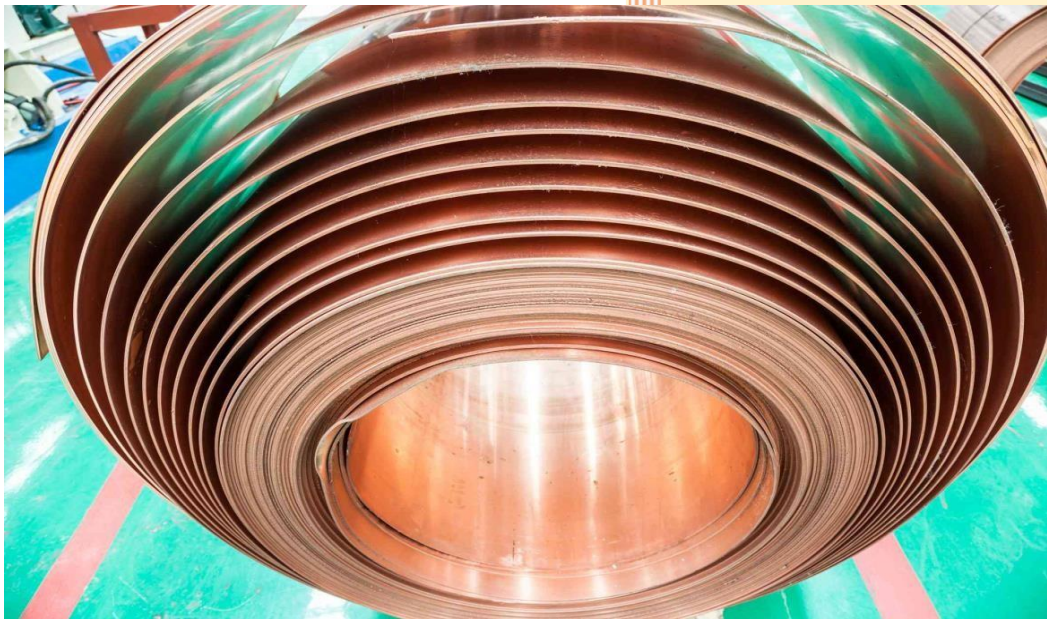
Kutch Copper Limited

1.0 MTPA (One Million Tons per Annum) Greenfield Copper Refinery Project



For Period:
**Oct' 2024 to
March'2025**

**SIX MONTHLY COMPLIANCE REPORT
OF ENVIRONMENT CLEARANCE (EC)**



Submitted to:

Integrated Regional Office, Gandhinagar
Ministry of Environment, Forest & Climate Change
Central Pollution Control Board, New Delhi &
Gujarat Pollution Control Board, Gandhinagar
and Regional Office

Submitted by:

Kutch Copper Limited
Vill: Siracha, Navinal
Tal: Mundra, Dist: Kutch – 370405
Gujarat.

For

1.0 MTPA
(One Million Tons per Annum)
Green Field Copper
Refinery Project

At

Taluka - Mundra
District -Kutch,
Gujarat

Kutch Copper Limited

1.0 MTPA (One Million Tons per Annum) Greenfield Copper Refinery Project

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Introduction

Kutch Copper Limited is setting up a Greenfield Copper Refinery Project of One Million Tons Per Annum (1.0 MTPA) capacity. The project site is located in Siracha and Navinal villages at Mundra taluka, Kutch district in the state of Gujarat.

Terms of Reference (TOR) for EIA study for the proposed project was accorded by MoEF&CC vide Letter F.No. J-11011/113/2016-IA.II (I) dated 21st June 2016. In accordance with the TOR conditions, the EIA - EMP report has been prepared by M/s. Vimta Labs Limited, Hyderabad based on three-months site-specific baseline environmental data monitored during 1st October 2016 to 31st December 2016 and submitted to MoEF&CC along with EC Application IA/GJ/IND/86812/2016 dated 06.12.2018.

Environmental clearance for 1.0 Million Tonnes per Annum Greenfield Copper Refinery Project was granted vide letter dated 08.05.2020 and its subsequent amendment dated 23.06.2021.

EC transfer letter from M/s. AEL to M/s. KCL was received vide letter No.F. No. J-11011/113/2016-IA.II(I), dt; 03.08.2021.

CTE granted vide CTE no 49273 dated 19/09/2021

CTO /CCA granted vide consent order no. AWH – 132498 dated 20-02-2024 for 0.5 MTPA.

There was an Appeal in National Green Tribunal vide Appeal No. 35/2020 (WZ). The matter was heard on 1st July 2024 and the said appeal is disposed off. The judgement has been pronounced on dated 6/08/2024.

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Compliance Status of Environmental Clearance

F. No. J-11011/113/2016-IA.II(I), dated: 08th May 2020 & 23rd Aug 2021

Sl. No.	Conditions of EC	Compliance Status
I	Statutory Compliance	
(i)	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non- forest purpose involved in the project.	As per the EC and subsequent amendments granted there is no forest land involved in the project area.
(ii)	The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan/ Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six- monthly compliance report.	Site Specific Conservation Plan & Wildlife Management Plan had been prepared and submitted for approval to the Chief Wildlife Warden, Bhuj, Gujarat for further suggestion & implementation.
(iii)	The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the (Water Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.	Complied. a. Consent to Establish has been obtained from GPCB vide CTE no.49273dated 19.09.2021. b. Consent to Operate has been obtained vide consent order no. AWH-132498 dated 20.02.2024 valid upto 07.01.2029
(iv)	The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water from the competent authority concerned in case of drawl of surface water required for the project.	No, Ground water is proposed for the project.
(v)	The project proponent shall obtain authorization under the Hazardous and other Waste Management Rule, 2016 as amended from time to time.	Complied. Authorization under the Hazardous and other waste Management Rule, 2016 has been obtained vide consent order no. AWH-132498 dated 20.02.2024 valid upto 07.01.2029.

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Sl. No.	Conditions of EC	Compliance Status
II	Air quality monitoring and preservation	
(i)	The project proponent shall install 24X7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environmental (Protection) Rules 1986 vide G.S.R 742 (E) dated 30 th August 1990 and thereafter amended vide G.S.R 46 (E) dated 3 rd February 2006 (Aluminium); S.O. 3305 (E) dated 7 th December 2015 (Thermal Power Plants) as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Noted & Being Followed.
(ii)	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognised under Environment (Protection) Act, 1986.	Being Complied. Fugitive emission Monitoring is being done on regular basis through NABL accredited lab Fugitive emission monitoring report is enclosed as Annexure-4.
(iii)	The project proponent shall install system to carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area at an angle of 120° each), covering upwind and downwind directions.	Complied. 4 nos. of Continuous Ambient Air Quality monitoring system have been installed.
(iv)	The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality/ fugitive emissions to Regional office of MoEFCC, Zonal office of CPCB and Regional Office of SPCB along with six- monthly monitoring report.	Being Complied. Monitoring of ambient air quality & Fugitive emission is being done through NABL accredited lab. AAQ & Fugitive emission Monitoring reports are enclosed as Annexure-1 & 4.

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Sl. No.	Conditions of EC	Compliance Status
(v)	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.	Necessary consideration taken in design of FGD, TGD & other air pollution control system to comply with prescribed MoEF&CC norms. Water sprinkling is also being done on regular basis.
(vi)	The project proponent shall provide leakage detection and mechanised bag cleaning facilities for better maintenance of bags	Necessary consideration taken in design of bag filters.
(vii)	Pollution control system in the plant shall be provided as per the CREP Guidelines of CPCB.	Pollution control system in the plant has been provided as per the CREP Guidelines of CPCB.
(viii)	Sufficient number of mobile or stationary vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.	Noted. Proper housekeeping is being maintained.
(ix)	Ensure covered transportation and conveying of ore, coal and other raw material to prevent spillage and dust generation.	Being Complied. Necessary design consideration has been taken to avoid the spillages. Major Raw material i.e. copper concentrate is being transported through covered pipeline conveyor system.
(x)	Adopt measures to recover fluoride gas from electrolytic cells and recycle the same in the process.	Not applicable as it has been deleted in the amended EC.
(xi)	Ventilation system shall be designed for adequate air changes as per ACGIB document for all tunnels, motor houses.	Ventilation system is designed for adequate air changes as per ACGIB document for all tunnels, motor houses.
III	Water quality monitoring and preservation	
(i)	The project proponent shall install 24X7 continuous effluent monitoring system with respect to standards prescribed in Environmental (Protection) Rules 1986 vide G.S.R 742 (E) dated 30 th August 1990 and further amended vide G.S.R 46 (E) dated 3 rd February 2006 (Aluminium); S.O. 3305 (E) dated 7 th December 2015 (Thermal Power Plants) as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognised under	Being Followed.

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Sl. No.	Conditions of EC	Compliance Status
	Environment (Protection) Act, 1986 or NABL accredited laboratories.	
(ii)	The project proponent shall monitor regularly ground water quality at twice a year (pre and post monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories	Being Complied. Ground water is being monitored on monthly basis through NABL accredited lab. The monitoring report is enclosed as Annexure-2.
(iii)	The project proponent shall submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional Office of MoEFCC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.	Being Complied. Ground water is being monitored on monthly basis through NABL accredited lab. The monitoring report is enclosed as Annexure-2.
(iv)	Adhere to 'Zero Liquid Discharge'	The Plant is designed to operate with 'Zero Liquid Discharge' system.
(v)	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.	Sewage Treatment Plant has been installed for treatment of domestic wastewater.
(vi)	The project proponent shall practice rainwater harvesting to maximum possible extent.	Rainwater harvesting pond has been developed to conserve water.
(vii)	The project proponent shall make efforts to minimise water consumption in the Copper plant complex by segregation of used water, practicing cascade use and by recycling treated water.	The Plant is designed to operate with Zero Liquid Discharge & Recycling system.
IV	Noise monitoring and prevention	
(i)	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	Being Complied. Noise monitoring is being carried out through NABL accredited lab. Noise level monitoring report is enclosed as Annexure-3.
(ii)	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz 75 dB(A) during day time and 70 dB(A) during night time	Being Complied. Noise monitoring is being carried out through NABL accredited lab. Noise level monitoring report is enclosed as Annexure-3.

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Sl. No.	Conditions of EC	Compliance Status
V	Energy Conservation measures	
(i)	The project proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases.	Waste heat recovery system has been provided to recover waste heat from the flue gas.
(ii)	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, streetlights, parking around project area and maintain the same regularly;	Solar based lighting provided in the plant area. However, we have also planned to utilise solar power in plant.
(iii)	Provide LED lights in their offices and residential areas.	Complied. LED lights have been provided in the offices and residential areas.
VI	Waste management	
(i)	Used refractories shall be recycled as far as possible.	Noted.
(ii)	A plan for 100% utilisation of phosphogypsum generated shall be implemented. Under the action plan, MOU with potential buyers including cement companies for supply of phosphogypsum.	Noted.
(iii)	The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.	Being Complied. The waste oil, grease and other hazardous waste will be disposed through authorised recyclers as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.
(iv)	Kitchen waste shall be composted or converted to biogas for further use.	Being Complied. Kitchen waste is being converted to biogas.
VII	Green Belt	
(i)	Green belt shall be developed in an area equal to 35% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.	Being Complied. Plantation is being carried out within plant premises. 14,590 nos. of plants have been planted till March' 2025.
(ii)	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for the reduction of the same including carbon sequestration including plantation.	GHG emission inventory will be carried out and report with reduction program will be submitted once all the sections of the plant operate at full capacity. Plantation is being done for carbon sequestration.

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Sl. No.	Conditions of EC	Compliance Status
VIII	Public hearing and Human health issues	
(i)	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Being complied.
(ii)	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.	Being Complied. Personal Protective Equipment (PPEs) has been provided.
(iii)	Provision shall be made for the housing of construction labour within the site with all necessary infrastructures and facilities such fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	There is no housing provided for construction labour within the site. However, facilities such as toilets, STP, drinking water, medical healthcare, etc. have been provided for all the construction labours at site.
(iv)	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Being Complied. Occupational health surveillance of the workers is being done on regular basis and records maintained.
IX	Corporate Environment Responsibility	
(i)	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1 st May 2018, as applicable, regarding Corporate Environment Responsibility	KCL has allocated Rs. 60.5 Crores on total project cost of Rs. 11,000/- Crores for Corporate Environment Responsibility (CER budget) as per Ministry's OM vide F.No. 22-65/2017-IA.III dated 01 st May 2018.
(ii)	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements / deviation / violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest/ wildlife norms / conditions and/or shareholders / stakeholders. The copy of the	Kutch Copper Limited has well laid Environment policy.

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Sl. No.	Conditions of EC	Compliance Status
	board resolution in this regard shall be submitted to the MoEFCC as a part of six-monthly report.	
(iii)	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organisation.	Complied. Environmental Cell established with qualified personnel with senior Executive, who reports to the head of the organisation.
(iv)	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Copper Industry shall be implemented.	Being Complied. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Copper Industry are being implemented.
X	Miscellaneous	
(i)	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	Complied. Advertisement regarding grant of EC has been published in Times of India dated 14 th May 2020 and Kutch Mitra (local News) dated 15 th May 2020. Copies of newspaper advertisement were sent with compliance report for period of April 2020 to September 2020. Environmental Clearance is available on company's website <u>Adani Enterprises Ltd</u> under download section.
(ii)	The copies of the environmental clearance shall be submitted by the project proponent to the Heads of local bodies, Panchayat and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	Complied. Copies of Environment Clearance has been submitted to Village Panchayat office of Tunda, Desalpar, Borana, Dhrab, Jarpara, Mota Bhadiya, Mota Bhujpur Juth, Mota Kandgra, Moti khakhar, Nana Bhadiya, Nani Khakhar, Navinal, Shiracha, Tragadi, Tunda, Vandh, Taluka: - Mundra, Mandvi District: - Kutch vide letter AEL/Copper/ EC/2020/ May-1 dated 11/05/2020. The EC Copies has also been submitted to following offices through post. i. The Mamlatdar Office, Mundra Kutch ii. Regional Office Kutch (East), GPCB, Gandhidham. iii. The Taluka Development Office, Mundra-Kutch iv. District Industries Centre, Bhuj-Kutch

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Sl. No.	Conditions of EC	Compliance Status
		v. The District Collector, Bhuj-Kutch vi. The District Development Office, Bhuj-Kutch EC amendment & transfer letter has been uploaded on the company's website: Adani Enterprises Ltd.
(iii)	The project proponent shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	Being Complied. Half yearly EC Compliance status report being submitted to MoEF&CC, CPCB & GPCB. The same is being uploaded on company's website Adani Enterprises Ltd.
(iv)	The project proponent shall monitor the criteria pollutant level namely, PM ₁₀ , SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same as a convenient location for disclosure to the public and put on the website of the company.	Being Complied. Ambient Air Quality is being done on regular basis to monitor the AAQ parameters.
(v)	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	Being Complied. Half yearly EC Compliance status report is being submitted to MoEF&CC, CPCB & GPCB on regular basis.
(vi)	The project proponent shall submit environmental statement for each financial year in Form- V to the concerned State Pollution Control Board as prescribed under the Environmental (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	Being Complied. Yearly Environmental statement is being submitted to the Gujarat Pollution Control Board and uploaded on company website.
(vii)	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.	Financial closure is already achieved.
(viii)	The project authorities must strictly adhere to the stipulations made by the State Pollution control Board and the State Government.	Noted & agreed.

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Sl. No.	Conditions of EC	Compliance Status
(ix)	The project proponent shall abide by the commitment and recommendations made in the EIA/ EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	Being complied.
(x)	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change (MoEF & CC)	Noted & agreed.
(xi)	Concealing factual data or submission of false/ fabricated data may result in revocation of the environmental clearance and attract action under the provisions of Environmental (Protection) Act, 1986.	Noted.
(xii)	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory	Noted.
(xiii)	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted.
(xiv)	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/ information/ monitoring reports.	Noted & agreed.
(xv)	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environmental Protection Act 1986, Hazardous and Other Waste (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendment and Rules and any other orders passed by the Hon'ble Supreme Court of India/ High Courts and any other Court of Law relating to the subject matter.	Noted.

Kutch Copper Limited

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Sl. No.	Conditions of EC	Compliance Status
(xvi)	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2020.	There was an Appeal filed in Hon'ble National Green Tribunal vide Appeal no. 35/2020 (WZ). The matter was heard on 1 st July,2024 and the said appeal is disposed off. The judgement has been pronounced on dated 6/08/2024.
Additional Specific Conditions as per Amendment in EC dated 23/06/2021		
Sl. No.	Condition of EC	Compliance Status
i	Project proponent shall abide by the all orders and judicial pronouncements, made from time to time passed by Hon'ble National Green Tribunal, Western Zone in Original Appeal No. 35/2020 (WZ).	There was an Appeal filed in Hon'ble National Green Tribunal vide Appeal no. 35/2020 (WZ). The matter was heard on 1 st July,2024 and the said appeal is disposed off. The judgement has been pronounced on dated 6/08/2024.
ii	Particulate matter emission from all the stacks shall not exceed 30 mg/Nm ³	The system has been designed to limit the Particulate matter emission from all the stacks within prescribed limit of 30 mg/ Nm ³ .
iii	The Mangrove and Mudflat conservation plan submitted to Deputy Conservator of Forests, Gujarat Forest Department shall be implemented in a time bound manner and periodic compliance status in this regard shall be submitted to Regional Office of the MoEF & CC along with the six monthly compliance report.	Site Specific Mangrove and Mudflat Conservation Plan & Wildlife Management Plan had been prepared and submitted for approval of the Chief Wildlife Warden, Bhuj, Gujarat for further suggestion & implementation.
iv	Sulphur and Flourine emission pollution shall not exceed 3641 TPA for sulphur and 33 TPA for Flourine as committed by the project proponent.	Noted. The system has been designed to limit the Sulphur emission within 3641 TPA .
v	SO ₂ from sulphuric acid plant stack will be less than 0.7 Kg SO ₂ / T of H ₂ SO ₄ and from Flue Gas Desulphurization (FGD) stack will be less than 400 mg/Nm ³ as committed by the project proponent.	Noted. The system has been designed to limit the SO ₂ emission from sulphuric acid plant stack less than 0.7 Kg SO ₂ /T of H ₂ SO ₄ and from Flue Gas Desulphurization (FGD) stack less than 400 mg/Nm ³ .
vi	Flouride from phosphoric acid plant stack will be less than 10 mg/Nm ³ as committed by the project proponent.	Noted.

ANNEXURE-1

**AMBIENT AIR QUALITY
REPORTS
(October 2024 – March 2025)**



AMBIENT AIR QUALITY ANALYSIS REPORT

Company Name		Kutch Copper Limited												
Sample Type		On Site 24 Hourly Monitoring Results												
Location Name		Project Site												
Sr. No.	Parameters	PM (<10 ³)	PM (<2.5)	SO ₂	NO ₂	O ₃	NH ₃	CO	Benzene	B@P	Pb	Ni	As	Hg
	Unit	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	mg/m ³	µg/m ³	ng/m ³	µg/m ³	ng/m ³	ng/m ³	ng/m ³
	Test Method	IS 5182-Part 23	GGMPL/SO P/AA/50	IS 5182-Part 2	IS 5182-Part 6	IS 5182-Part 9	GGMPL/SOP/AA/62	IS 5182-Part 10	IS 5182-Part- 11	IS 5182-Part -12	Method IO-3.4	Method IO-3.4	Method IO-3.4	Method IO-3.4
	NAAQ Standards	100	60	80	80	180	400	4	5	1	1	20	6	-
	Sampling Start Date	Sampling End Date												
1	01.10.2024	02.10.2024	67.53	32.91	10.20	20.06	15.90	14.60	0.380	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)	BQL (QL=1)
2	07.10.2024	08.10.2024	70.03	34.58	10.93	21.00	-	-	-	-	-	-	-	-
3	10.10.2024	11.10.2024	71.51	35.41	12.18	22.83	-	-	-	-	-	-	-	-





Go Green Mechanisms Pvt.Ltd.

4	14.10.2024	15.10.2024	58.03	29.16	9.12	17.96	-	-	-	-	-	-	-	-	-	-	-	-	-
5	17.10.2024	18.10.2024	61.74	30.83	9.94	19.16	-	-	-	-	-	-	-	-	-	-	-	-	-
6	21.10.2024	22.10.2024	67.42	33.74	10.71	20.76	-	-	-	-	-	-	-	-	-	-	-	-	-
7	24.10.2024	25.10.2024	72.13	36.24	11.35	22.31	-	-	-	-	-	-	-	-	-	-	-	-	-
8	28.10.2024	29.10.2024	68.71	34.16	10.22	20.30	-	-	-	-	-	-	-	-	-	-	-	-	-
9	31.10.2024	01.11.2024	73.47	36.66	12.03	22.57	-	-	-	-	-	-	-	-	-	-	-	-	-
AVERAGE			67.84	33.74	10.74	20.77	-	-	-	-	-	-	-	-	-	-	-	-	-



Analysis By

Anurag K. R.
Anurag Kumar

Approved By

Ramakant Pandey

END



AMBIENT AIR QUALITY ANALYSIS REPORT

Company Name		Kutch Copper Limited														
		On Site 24 Hourly Monitoring Results														
Sample Type		AMBIENT AIR QUALITY MONITORING														
Location Name		Siracha Village														
Sr. No.	Parameters		PM (<10)	PM (<2.5)	SO ₂	NO ₂	O ₃	NH ₃	CO	Benzene	BaP	Pb	Ni	As	Hg	
	Unit		µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	ng/m3	µg/m3	ng/m3	ng/m3	ng/m3	ng/m3
	Test Method		IS 5182-Part23	GGMP/ISO P/AA/60	IS 5182-Part 2	IS 5182-Part 6	IS 5182-Part 9	GGMP/ SOP/AA/ 62	IS 5182-Part 10	IS 5182-Part- 11	IS 5182-Part -12	Method IO-3.4	Method IO-3.4	Method IO-3.4	Method IO-3.4	Method IO-3.4
	NAAQ Standards		100	60	80	80	180	400	4	5	1	1	20	6	-	-
	Sampling Start Date	Sampling End Date														
1	01.10.2024	02.10.2024	55.19	27.91	9.80	18.90	14.37	13.04	0.355	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)	BQL (QL=1)	
2	07.10.2024	08.10.2024	58.24	29.16	10.28	20.06	-	-	-	-	-	-	-	-	-	
3	10.10.2024	11.10.2024	60.37	30.41	10.88	21.23	-	-	-	-	-	-	-	-	-	





Go Green Mechanisms Pvt.Ltd.

4	14.10.2024	15.10.2024	50.65	25.41	8.03	16.33	-	-	-	-	-	-	-	-	-	-	-	-	-
5	17.10.2024	18.10.2024	54.20	27.08	9.97	19.83	-	-	-	-	-	-	-	-	-	-	-	-	-
6	21.10.2024	22.10.2024	57.74	28.74	11.02	22.05	-	-	-	-	-	-	-	-	-	-	-	-	-
7	24.10.2024	25.10.2024	61.50	30.83	11.57	22.86	-	-	-	-	-	-	-	-	-	-	-	-	-
8	28.10.2024	29.10.2024	59.28	29.58	10.17	20.21	-	-	-	-	-	-	-	-	-	-	-	-	-
9	31.10.2024	01.11.2024	66.47	33.74	11.89	23.10	-	-	-	-	-	-	-	-	-	-	-	-	-
AVERAGE			58.18	29.21	10.40	20.51	-	-	-	-	-	-	-	-	-	-	-	-	-

Analysis By

Anurag K S
Anurag kumar



Approved By

Ramakant Bhandari

END



Reporting Date: 05/11/2024

AMBIENT AIR QUALITY ANALYSIS REPORT

Company Name		Kutch Copper Limited													
On Site 24 Hourly Monitoring Results															
Sample Type		AMBIENT AIR QUALITY MONITORING													
Location Name		Navinal Village													
Sr. No.	Parameters	PM (<10)	PM (<2.5)	SO ₂	NO ₂	O ₃	NH ₃	CO	Benzene	BGP	Pb	Ni	As	Hg	
	Unit	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	mg/r 3	µg/m3	ng/m3	µg/m3	ng/m3	ng/m3	ng/m3	
	Test Method	IS 5182-Part23	GGMP/ISO/AA/60	IS 5182-Part 2	IS 5182-Part 6	IS 5182-Part 9	GGMP/ISO/AA/62	IS 5182-Part 30	IS 5182-Part- 11	IS 5182-Part -12	Method IO-3.4	Method IO-3.4	Method IO-3.4	Method IO-3.4	
	NAAQ Standards	100	60	80	80	180	400	4	5	1	1	20	6	-	
	Sampling Start Date	Sampling End Date													
1	01.10.2024	02.10.2024	57.56	28.33	10.34	20.06	14.98	13.50	0.375	BQL (QL-2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)	
2	07.10.2024	08.10.2024	59.01	29.58	11.01	21.84	-	-	-	-	-	-	-	-	
3	10.10.2024	11.10.2024	61.51	30.41	11.48	22.23	-	-	-	-	-	-	-	-	





Go Green Mechanisms Pvt.Ltd.

4	14.10.2024	15.10.2024	53.82	26.66	9.48	17.12	-	-	-	-	-	-	-	-	-	-	-	-	-
5	17.10.2024	18.10.2024	57.32	28.74	10.80	20.41	-	-	-	-	-	-	-	-	-	-	-	-	-
6	21.10.2024	22.10.2024	62.49	31.24	12.02	21.97	-	-	-	-	-	-	-	-	-	-	-	-	-
7	24.10.2024	25.10.2024	65.40	32.16	12.53	22.71	-	-	-	-	-	-	-	-	-	-	-	-	-
8	28.10.2024	29.10.2024	62.45	31.66	10.25	21.20	-	-	-	-	-	-	-	-	-	-	-	-	-
9	31.10.2024	01.11.2024	67.82	33.74	11.70	21.56	-	-	-	-	-	-	-	-	-	-	-	-	-
AVERAGE			60.82	30.28	11.07	21.01	-	-	-	-	-	-	-	-	-	-	-	-	-

Analysis By

Anurag K.R.
Anurag kumar



Approved By

Ramakant Pandey

END



Go Green Mechanisms Pvt.Ltd.

Reporting Date: 05/10/2024

AMBIENT AIR QUALITY ANALYSIS REPORT

Company Name		Kutch Copper Limited													
		On Site 24 Hourly Monitoring Results													
Sample Type		AMBIENT AIR QUALITY MONITORING													
Location Name		Jarpara Village													
Sr. No.	Parameters	PM (<10)	PM (<2.5)	SO ₂	NO ₂	O ₃	NH ₃	CO	Benzene	B@P	Pb	Ni	As	Hg	
	Unit	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	mg/m ³	µg/m ³	ng/m ³	µg/m ³	ng/m ³	ng/m ³	ng/m ³	
	Test Method	IS 5182-Part23	GGMP/ISO P/AA/60	IS 5182-Part 2	IS 5182-Part 6	IS 5182-Part 9	GGMP/ SOP/AA/ 62	IS 5182-Part 10	IS 5182-Part- 11	IS 5182-Part -12	Method IO-3.4	Method IO-3.4	Method IO-3.4	Method IO-3.4	
	NAAQ Standards	100	60	80	80	180	400	4	5	1	1	20	6	-	
	Sampling Start Date	Sampling End Date													
1	01.10.2024	02.10.2024	53.17	26.66	9.96	18.63	14.06	13.02	0.368	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)	BQL (QL=1)	
2	07.10.2024	08.10.2024	55.11	27.49	10.35	19.83	-	-	-	-	-	-	-	-	
3	10.10.2024	11.10.2024	57.96	28.33	10.83	20.47	-	-	-	-	-	-	-	-	



4	14.10.2024	15.10.2024	49.78	25.00	8.41	16.56	-	-	-	-	-	-	-	-	-	-	-
5	17.10.2024	18.10.2024	52.00	25.83	9.60	20.06	-	-	-	-	-	-	-	-	-	-	-
6	21.10.2024	22.10.2024	56.16	28.74	10.69	21.52	-	-	-	-	-	-	-	-	-	-	-
7	24.10.2024	25.10.2024	60.84	30.41	11.23	22.16	-	-	-	-	-	-	-	-	-	-	-
8	28.10.2024	29.10.2024	57.49	29.16	10.21	20.47	-	-	-	-	-	-	-	-	-	-	-
9	31.10.2024	01.11.2024	62.41	31.24	11.52	22.16	-	-	-	-	-	-	-	-	-	-	-
AVERAGE			56.10	28.10	10.31	20.21	-	-	-	-	-	-	-	-	-	-	-

Analysis By

Anurag K.R.
Anurag Kumar



Approved By

Ramakant Pandey
Ramakant Pandey

END



Reporting Date: 04/12/2024

AMBIENT AIR QUALITY ANALYSIS REPORT

Company Name		Kutch Copper Limited												
On Site 24 Hourly Monitoring Results														
Sample Type		AMBIENT AIR QUALITY MONITORING												
Location Name		Jarpara Village												
Sr. No.	Parameters	PM (<10)	PM (<2.5)	SO ₂	NO ₂	O ₃	NH ₃	CO	Benzene	B@P	Pb	Ni	As	Hg
	Unit	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	ng/m3	µg/m3	ng/m3	ng/m3	ng/m3
	Test Method	IS 5182-Part23	GGMPL/ISO P/AA/60	IS 5182-Part 2	IS 5182-Part 6	IS 5182-Part 9	GGMPL/SOP/AA/62	IS 5182-Part 10	IS 5182-Part- 11	IS 5182-Part -12	Method IO-3,4	Method IO-3,4	Method IO-3,4	Method IO-3,4
	NAAQ Standards	100	60	80	80	180	400	4	5	1	1	20	6	-
	Sampling Start Date	Sampling End Date												
1	04.11.2024	05.11.2024	55.49	28.74	9.59	19.36	-	-	-	-	-	-	-	-
2	07.11.2024	08.11.2024	59.23	30.83	10.06	21.26	-	-	-	-	-	-	-	-
3	11.11.2024	12.11.2024	62.14	32.08	10.64	22.54	-	-	-	-	-	-	-	-





Go Green Mechanisms Pvt.Ltd.

4	14.11.2024	15.11.2024	62.27	32.91	10.76	21.81	14.77	13.80	0.33	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)	BQL (QL=1)
5	18.11.2024	19.11.2024	66.84	34.16	11.78	23.17	-	-	-	-	-	-	-	-	-
6	21.11.2024	22.11.2024	62.24	31.66	10.40	21.57	-	-	-	-	-	-	-	-	-
7	25.11.2024	26.11.2024	65.41	32.16	10.14	20.45	-	-	-	-	-	-	-	-	-
8	28.11.2024	29.11.2024	65.99	33.74	12.19	25.90	-	-	-	-	-	-	-	-	-
AVERAGE			60.82	30.28	11.07	21.01	-	-	-	-	-	-	-	-	-

Analysis By
Anurag K.R.
Anurag kumar



Approved By
Ramkant Pandey

END



Reporting Date: 04/12/2024

AMBIENT AIR QUALITY ANALYSIS REPORT

Company Name		Kutch Copper Limited												
Sample Type		On Site 24 Hourly Monitoring Results												
Location Name		Navinal Village												
Sr. No.	Parameters	PM (<10)	PM (<2.5)	SO ₂	NO ₂	O ₃	NH ₃	CO	Benzene	BGP	Pb	Ni	As	Hg
	Unit	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	mg/m ³	µg/m ³	ng/m ³	µg/m ³	ng/m ³	ng/m ³	ng/m ³
	Test Method	IS 5182-Part 23	GGMP/ SOP/ AA/60	IS 5182-Part 2	IS 5182-Part 6	IS 5182-Part 9	GGMP/ SOP/AA/ 62	IS 5182-Part 10	IS 5182-Part- 11	IS 5182-Part -12	Method IO-3.4	Method IO-3.4	Method IO-3.4	Method IO-3.4
	NAAQ Standards	100	60	80	80	180	400	4	5	1	1	20	6	-
	Sampling Start Date													
1	04.11.2024	59.28	30.41	9.55	18.81	-	-	-	-	-	-	-	-	-
2	07.11.2024	64.32	32.08	10.87	21.08	-	-	-	-	-	-	-	-	-
3	11.11.2024	66.31	33.74	11.17	22.54	-	-	-	-	-	-	-	-	-



4	14.11.2024	15.11.2024	61.35	32.08	10.27	21.26	14.45	13.58	0.32	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)	BQL (QL=1)
5	18.11.2024	19.11.2024	65.44	32.91	11.21	22.05	-	-	-	-	-	-	-	-	-
6	21.11.2024	22.11.2024	59.67	31.24	10.61	20.72	-	-	-	-	-	-	-	-	-
7	25.11.2024	26.11.2024	62.55	32.49	10.14	21.81	-	-	-	-	-	-	-	-	-
8	28.11.2024	29.11.2024	58.77	30.83	9.77	18.90	-	-	-	-	-	-	-	-	-
AVERAGE			61.13	31.92	10.22	20.28	-	-	-	-	-	-	-	-	-

Analysis By

Anurag Kr.
Anurag kumar



Approved By

Ramakant Panday
Ramakant Panday

END



AMBIENT AIR QUALITY ANALYSIS REPORT

Company Name		Kutch Copper Limited												
On Site 24 Hourly Monitoring Results														
Sample Type		AMBIENT AIR QUALITY MONITORING												
Location Name		Siracha Village												
Sr. No.	Parameters													
	Unit	PM (<10)	PM (<2.5)	SO ₂	NO ₂	O ₃	NH ₃	CO	Benzene	BGP	Pb	Ni	As	Hg
	Test Method	IS 5182-Part 23	GGMPL/ISO P/AA/60	IS 5182-Part 2	IS 5182-Part 6	IS 5182-Part 9	GGMPL/SOP/AA/62	IS 5182-Part 10	IS 5182-Part 11	IS 5182-Part 12	Method IO-3.4	Method IO-3.4	Method IO-3.4	Method IO-3.4
	NAAQ Standards	100	60	80	80	180	400	4	5	1	1	20	6	-
	Sampling Start Date	Sampling End Date												
1	04.11.2024	05.11.2024	57.58	30.41	9.49	17.93	-	-	-	-	-	-	-	-
2	07.11.2024	08.11.2024	60.25	31.66	9.63	19.08	-	-	-	-	-	-	-	-
3	11.11.2024	12.11.2024	63.43	33.74	10.64	20.45	-	-	-	-	-	-	-	-



4	14.11.2024	15.11.2024	71.61	35.83	10.76	21.81	15.73	14.32	0.35	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)	BQL (QL=1)
5	18.11.2024	19.11.2024	74.28	37.49	12.10	23.72	-	-	-	-	-	-	-	-	-
6	21.11.2024	22.11.2024	69.30	34.16	10.40	21.08	-	-	-	-	-	-	-	-	-
7	25.11.2024	26.11.2024	70.11	36.24	10.98	21.32	-	-	-	-	-	-	-	-	-
8	28.11.2024	29.11.2024	67.06	33.74	10.07	20.45	-	-	-	-	-	-	-	-	-
AVERAGE			69.95	35.05	10.59	21.37	-	-	-	-	-	-	-	-	-

Analysis By

Anurag Kr.
Anurag Kumar



Approved By

Ramakant Pandey

ENO



Reporting Date: 04/12/2024

AMBIENT AIR QUALITY ANALYSIS REPORT

Company Name		Kutch Copper Limited												
On Site 24 Hourly Monitoring Results														
Sample Type		AMBIENT AIR QUALITY MONITORING												
Location Name		Project Site												
Sr. No.	Parameters	PM (<10)	PM (<2.5)	SO ₂	NO ₂	O ₃	NH ₃	CO	Benzene	BGP	Pb	Ni	As	Hg
	Unit	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	mg/m ³	µg/m ³	ng/m ³	µg/m ³	ng/m ³	ng/m ³	ng/m ³
	Test Method	IS 5182-Part 23	GGMP/ISO P/AA/60	IS 5182-Part 2	IS 5182-Part 6	IS 5182-Part 9	GGMP/ISO P/AA/62	IS 5182-Part 10	IS 5182-Part- 11	IS 5182-Part -12	Method IO-3.4	Method IO-3.4	Method IO-3.4	Method IO-3.4
	NAAQ Standards	100	60	80	80	180	400	4	5	1	1	20	6	-
	Sampling Start Date	Sampling End Date												
1	04.11.2024	05.11.2024	65.59	31.24	9.14	19.08	-	-	-	-	-	-	-	-
2	07.11.2024	08.11.2024	68.47	35.41	10.04	20.84	-	-	-	-	-	-	-	-
3	11.11.2024	12.11.2024	73.17	36.24	11.28	22.63	-	-	-	-	-	-	-	-



4	14.11.2024	15.11.2024	60.32	31.24	9.92	20.99	13.17	12.37	0.30	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)	BQL (QL=1)
5	18.11.2024	19.11.2024	64.65	32.91	10.44	21.32	-	-	-	-	-	-	-	-	-
6	21.11.2024	22.11.2024	59.29	31.66	10.31	20.45	-	-	-	-	-	-	-	-	-
7	25.11.2024	26.11.2024	61.83	32.49	10.14	21.81	-	-	-	-	-	-	-	-	-
8	28.11.2024	29.11.2024	60.78	32.91	11.06	23.02	-	-	-	-	-	-	-	-	-
AVERAGE			60.47	31.61	10.27	21.34	-	-	-	-	-	-	-	-	-

Analysis By

Anurag K.
Anurag kumar



Approved By

Ramakant Pandey
Ramakant Pandey

END



AMBIENT AIR QUALITY ANALYSIS REPORT

Company Name		Kutch Copper Limited												
On Site 24 Hourly Monitoring Results														
Sample Type		AMBIENT AIR QUALITY MONITORING												
Location Name		Project Site												
Sr. No.	Parameters	PM (<10)	PM (<2.5)	SO ₂	NO ₂	O ₃	NH ₃	CO	Benzene	B@P	Pb	Ni	As	Hg
	Unit	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	ng/m3	µg/m3	ng/m3	ng/m3	ng/m3
	Test Method	IS 5182-Part23	GGMP/ISO P/AA/60	IS 5182-Part 2	IS 5182-Part 6	IS 5182-Part 9	GGMP/ISO/AA/62	IS 5182-Part 10	IS 5182-Part- 11	IS 5182-Part -12	Method IO-3.4	Method IO-3.4	Method IO-3.4	Method IO-3.4
	NAAQ Standards	100	60	80	80	180	400	4	5	1	1	20	6	-
	Sampling Start Date	Sampling End Date												
1	02.12.2024	03.12.2024	69.44	33.33	10.26	21.02	-	-	-	-	-	-	-	-
2	05.12.2024	06.12.2024	72.33	37.08	11.20	23.10	16.34	0.37	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)	BQL (QL=1)
3	09.12.2024	10.12.2024	68.28	34.58	10.19	20.29	-	-	-	-	-	-	-	-



4	12.12.2024	13.12.2024	70.36	35.41	10.06	19.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	16.12.2024	17.12.2024	67.32	32.91	9.79	18.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	19.12.2024	20.12.2024	65.41	33.74	9.63	17.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	23.12.2024	24.12.2024	66.56	32.49	9.16	18.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	26.12.2024	27.12.2024	63.40	31.24	10.02	20.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	30.12.2024	31.12.2024	71.45	35.83	10.64	21.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AVERAGE			68.28	34.07	10.11	20.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Analysis By

Anurag K. r
Anurag Kumar

Approved By

Ramakant Pandey
Ramakant Pandey

END

AMBIENT AIR QUALITY ANALYSIS REPORT

Company Name		Kutch Copper Limited													
On Site 24 Hourly Monitoring Results															
Sample Type		AMBIENT AIR QUALITY MONITORING													
Location Name		Siracha Village													
Sr. No.	Parameters		PM (<10)	PM (<2.5)	SO ₂	NO ₂	O ₃	NH ₃	CO	Benzene	BGP	Pb	Ni	As	Hg
	Unit		µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	ng/m3	µg/m3	ng/m3	ng/m3	ng/m3
	Test Method		IS 5182-Part23	GGMPL/ISO P/AA/60	IS 5182-Part 2	IS 5182-Part 6	IS 5182-Part 9	GGMPL/SOP/AA/62	IS 5182-Part 10	IS 5182-Part- 11	IS 5182-Part -12	Method IO-3.4	Method IO-3.4	Method IO-3.4	Method IO-3.4
	NAAQ Standards		100	60	80	80	180	400	4	5	1	1	20	6	-
	Sampling Start Date	Sampling End Date													
1	02.12.2024	03.12.2024	60.58	32.08	9.12	18.15	-	-	-	-	-	-	-	-	-
2	05.12.2024	06.12.2024	63.11	34.16	9.93	20.04	14.10	13.09	0.34	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)	BQL (QL=1)
3	09.12.2024	10.12.2024	58.48	30.41	9.01	18.09	-	-	-	-	-	-	-	-	-



4	12.12.2024	13.12.2024	61.24	31.24	8.97	17.84	-	-	-	-	-	-	-	-	-	-	-	-	-
5	16.12.2024	17.12.2024	57.50	29.58	8.70	17.32	-	-	-	-	-	-	-	-	-	-	-	-	-
6	19.12.2024	20.12.2024	56.04	28.33	8.21	16.13	-	-	-	-	-	-	-	-	-	-	-	-	-
7	23.12.2024	24.12.2024	55.38	27.91	7.82	15.12	-	-	-	-	-	-	-	-	-	-	-	-	-
8	26.12.2024	27.12.2024	53.82	28.74	9.40	18.33	-	-	-	-	-	-	-	-	-	-	-	-	-
9	30.12.2024	31.12.2024	59.57	30.83	9.83	18.70	-	-	-	-	-	-	-	-	-	-	-	-	-
AVERAGE			58.41	30.36	9.00	17.75	-	-	-	-	-	-	-	-	-	-	-	-	-

Analysis By

Anurag K.R
Anurag kumar



Approved By

Ramakant Panday
Ramakant Panday

END



AMBIENT AIR QUALITY ANALYSIS REPORT

Company Name		Kutch Copper Limited												
		On Site 24 Hourly Monitoring Results												
Sample Type		AMBIENT AIR QUALITY MONITORING												
Location Name		Jarpara Village												
Sr. No.	Parameters	PM (<10)	PM (<2.5)	SO ₂	NO ₂	O ₃	NH ₃	CO	Benzene	B@P	Pb	NI	As	Hg
	Unit	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	mg/m ³	µg/m ³	ng/m ³	µg/m ³	ng/m ³	ng/m ³	ng/m ³
	Test Method	IS 5182-Part23	GGMPL/ISO P/AA/60	IS 5182-Part 2	IS 5182-Part 6	IS 5182-Part 9	3GMPL/SCP/AA/62	IS 5182-Part 10	IS 5182-Part- 11	IS 5182-Part -12	Method IO-3.4	Method IO-3.4	Method IO-3.4	Method IO-3.4
	NAAQ Standards	100	60	80	80	180	400	4	5	1	1	20	6	-
	Sampling Start Date													
	Sampling End Date													
	02.12.2024	57.29	29.58	9.15	19.52	-	-	-	-	-	-	-	-	-
	05.12.2024	60.53	31.24	9.58	20.04	13.78	12.74	0.31	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)	BQL (QL=1)
3	09.12.2024	56.34	29.16	9.06	18.15	-	-	-	-	-	-	-	-	-



4	12.12.2024	13.12.2024	58.21	30.41	8.97	17.11	-	-	-	-	-	-	-	-	-	-	-	-	-
5	16.12.2024	17.12.2024	57.55	29.58	8.70	16.50	-	-	-	-	-	-	-	-	-	-	-	-	-
6	19.12.2024	20.12.2024	55.85	28.74	8.21	15.89	-	-	-	-	-	-	-	-	-	-	-	-	-
7	23.12.2024	24.12.2024	54.49	27.08	8.14	16.50	-	-	-	-	-	-	-	-	-	-	-	-	-
8	26.12.2024	27.12.2024	59.35	30.83	9.40	18.33	-	-	-	-	-	-	-	-	-	-	-	-	-
9	30.12.2024	31.12.2024	62.55	31.66	9.83	19.25	-	-	-	-	-	-	-	-	-	-	-	-	-
AVERAGE			58.02	29.81	9.01	17.92	-	-	-	-	-	-	-	-	-	-	-	-	-

Analysis By

Anurag K.R
Anurag kumar



Approved By

Ramakant Pandey
Ramakant Pandey

END

Reporting Date: 02/01/2025

AMBIENT AIR QUALITY ANALYSIS REPORT

Company Name		Kutch Copper Limited												
		On Site 24 Hourly Monitoring Results												
Sample Type		AMBIENT AIR QUALITY MONITORING												
Location Name		Navinal Village												
Sr. No.	Parameters	PM (<10)	PM (<2.5)	SO ₂	NO ₂	O ₃	NO _x	CO	Benzene	BGP	Pb	Ni	As	Hg
	Unit	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	ng/m3	µg/m3	ng/m3	ng/m3	ng/m3
	Test Method	IS 5182-Part23	GGMP/ISOP/AA/60	IS 5182-Part 2	IS 5182-Part 6	IS 5182-Part 9	GGMP/ISOP/AA/62	IS 5182-Part 10	IS 5182-Part- 11	IS 5182-Part -12	Method IO-3.4	Method IO-3.4	Method IO-3.4	Method IO-3.4
	NAAQ Standards	100	60	80	80	180	400	4	5	1	1	20	6	-
	Sampling Start Date	Sampling End Date												
1	02.12.2024	03.12.2024	62.53	31.66	9.91	19.31	-	-	-	-	-	-	-	-
2	05.12.2024	06.12.2024	66.01	33.74	10.52	21.45	14.74	0.34	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)	BQL (QL=1)
3	09.12.2024	10.12.2024	61.17	31.24	9.77	18.42	-	-	-	-	-	-	-	-





Anurag K.R
Anurag kumar

Ramakant Pandey

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ISO 45001 : 2018
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TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.	: KCL/A01/01/25/001	Date Of Report:	: 31/01/2025
Name and Address of Company	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Month of Monitoring	January - 2025		
Name of Location	KCL Complex (South Gate)		
Latitude	: 22.815909	Longitude	: 69.58602

➤ Details of Instrument Used for Monitoring

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/184	Respirable Dust Sampler	413K24	02/01/2025	02/01/2026
UERL/AIR/FPS/184	Fine Particulate Sampler	493L24	27/12/2024	27/12/2025

➤ Test Parameter Results

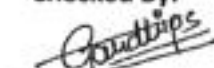
Sr. No.	Sampling Date	Result			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³
1.	08/01/2025	79.6	25.7	14.1	20.8
2.	09/01/2025	69.5	21.6	13.8	18.6
3.	15/01/2025	74.2	28.3	15.2	21.5
4.	16/01/2025	71.5	26.5	16.1	19.5
5.	22/01/2025	66.3	25.7	17.3	20.2
6.	23/01/2025	72.4	27.9	14.5	20.3
7.	27/01/2025	75.3	26.8	24.6	27.6
8.	28/01/2025	84.2	30.5	23.9	26.4
Average		74.1	26.6	17.4	21.9
Permissible Limit (As per NAAQS)		100	60	80	80
Test Method		IS - 5182, Part - 23	IS - 5182, Part - 24	IS - 5182, Part - 2	IS - 5182, Part - 6

Remarks:

Opinion & Interpretation (if required):

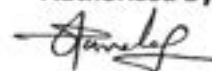
***** End of Report *****

Checked By:



Pooja S. Gandhi
(Sr. Chemist)
Page No.: 1 of 1

Authorized By:



Jaivik S. Tandel
(Manager - Operations)
UERL/AIR/F-05/06

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TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.	: KCL/A02/01/25/001	Date Of Report:	: 31/01/2025
Name and Address of Company	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Month of Monitoring	January - 2025		
Name of Location	KCL Complex (Near ETP)		
Latitude	: 22.824985	Longitude	: 69.575942

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/185	Respirable Dust Sampler	415K24	02/01/2025	02/01/2026
UERL/AIR/FPS/185	Fine Particulate Sampler	506L24	28/12/2024	28/12/2025

➤ **Test Parameter Results**

Sr. No.	Sampling Date	Result			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³
1.	08/01/2025	76.5	23.1	13.7	18.5
2.	09/01/2025	64.2	18.5	14.9	20.1
3.	15/01/2025	60.2	21.4	16.4	19.2
4.	16/01/2025	78.9	20.0	15.5	18.3
5.	22/01/2025	63.1	22.5	16.9	20.1
6.	23/01/2025	81.5	24.4	17.6	20.9
7.	27/01/2025	74.5	23.1	17.1	22.3
8.	28/01/2025	68.7	27.3	18.2	21.5
Average		71.0	22.5	16.3	20.1
Permissible Limit (As per NAAQS)		100	60	80	80
Test Method		IS - 5182, Part - 23	IS - 5182, Part - 24	IS - 5182, Part - 2	IS - 5182, Part - 6

Remarks:

Opinion & Interpretation (if required):

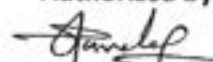
***** End of Report *****

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Pooja S. Gandhi
(Sr. Chemist)
Page No.: 1 of 1

Authorized By:



Jaivik S. Tandel
(Manager - Operations)
UERL/AIR/F-05/06

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TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.	:	KCL/A03/01/25/001	Date Of Report:	:	31/01/2025
Name and Address of Company	:	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.			
Month of Monitoring	:	January - 2025			
Name of Location	:	KCL Complex (Admin Building)			
Latitude	:	22.827180	Longitude	:	69.582640

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/186	Respirable Dust Sampler	418K25	02/01/2025	02/01/2026
UERL/AIR/FPS/186	Fine Particulate Sampler	431L24	27/12/2024	27/12/2025

➤ **Test Parameter Results**

Sr. No.	Sampling Date	Result			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³
1.	08/01/2025	84.2	25.4	17.6	21.5
2.	09/01/2025	79.7	22.5	20.2	23.5
3.	15/01/2025	90.5	23.2	18.4	22.6
4.	16/01/2025	78.6	24.4	19.9	23.1
5.	22/01/2025	85.3	26.7	21.6	22.4
6.	23/01/2025	90.2	25.4	20.7	24.5
7.	27/01/2025	86.1	27.5	22.4	26.3
8.	28/01/2025	79.5	24.4	19.6	23.3
Average		84.3	24.9	20.1	23.4
Permissible Limit (As per NAAQS)		100	60	80	80
Test Method		IS - 5182, Part - 23	IS - 5182, Part - 24	IS - 5182, Part - 2	IS - 5182, Part - 6

Remarks:

Opinion & Interpretation (if required):

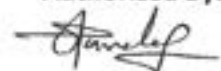
***** End of Report *****

Checked By:



Pooja S. Gandhi
(Sr. Chemist)
Page No.: 1 of 1

Authorized By:



Jaivik S. Tandel
(Manager - Operations)
UERL/AIR/F-05/06

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TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.	: KCL/A04/01/25/001	Date Of Report:	: 31/01/2025
Name and Address of Company	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Month of Monitoring	January - 2025		
Name of Location	Main Gate, KCTL		
Latitude	: 22.833832	Longitude	: 69.583024

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/187	Respirable Dust Sampler	411K24	02/01/2025	02/01/2026
UERL/AIR/FPS/187	Fine Particulate Sampler	503L24	28/12/2024	28/12/2025

➤ **Test Parameter Results**

Sr. No.	Sampling Date	Result			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³
1.	08/01/2025	81.5	27.3	20.4	23.8
2.	09/01/2025	76.5	23.9	21.5	24.5
3.	15/01/2025	72.4	26.2	22.8	25.4
4.	16/01/2025	83.4	25.4	23.5	26.2
5.	22/01/2025	67.9	28.5	20.7	23.1
6.	23/01/2025	74.4	26.1	21.9	24.5
7.	27/01/2025	84.2	29.7	22.4	25.4
8.	28/01/2025	86.1	27.2	21.9	26.3
Average		78.3	26.8	21.9	24.9
Permissible Limit (As per NAAQS)		100	60	80	80
Test Method		IS - 5182, Part - 23	IS - 5182, Part - 24	IS - 5182, Part - 2	IS - 5182, Part - 6

Remarks:

Opinion & Interpretation (if required):

***** End of Report *****

Checked By:



Pooja S. Gandhi
(Sr. Chemist)
Page No.: 1 of 1

Authorized By:



Jaivik S. Tandel
(Manager - Operations)
UERL/AIR/F-05/06

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TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.	: KCL/A05/01/25/001	Date Of Report:	: 31/01/2025
Name and Address of Company	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Month of Monitoring	January - 2025		
Name of Location	Shiracha Village		
Latitude	: 22.844966	Longitude	: 69.571543

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/24	Respirable Dust Sampler	2345-DTB-2012	02/08/2024	01/08/2025
UERL/AIR/FPS/30	Fine Particulate Sampler	132-DTL-2012	02/08/2024	01/08/2025

➤ **Test Parameter Results**

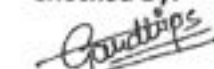
Sr. No.	Sampling Date	Result			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³
1.	02/01/2025	65.4	22.5	17.4	21.8
2.	06/01/2025	61.4	28.9	16.6	20.4
3.	09/01/2025	63.5	24.5	18.6	22.6
4.	13/01/2025	66.7	23.2	17.5	21.6
5.	16/01/2025	64.3	20.7	16.3	19.7
6.	20/01/2025	58.6	21.5	15.5	20.2
7.	23/01/2025	66.2	24.5	16.3	20.0
8.	27/01/2025	59.5	19.5	18.4	22.4
9.	30/01/2025	63.3	21.5	16.7	19.5
Average		63.2	23.0	17.0	20.9
Permissible Limit (As per NAAQS)		100	60	80	80
Test Method		IS - 5182, Part - 23	IS - 5182, Part - 24	IS - 5182, Part - 2	IS - 5182, Part - 6

Remarks:

Opinion & Interpretation (If required):

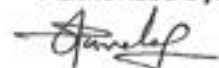
***** End of Report *****

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Pooja S. Gandhi
(Sr. Chemist)
Page No.: 1 of 1

Authorized By:



Jaivik S. Tandel
(Manager - Operations)
UERL/AIR/F-05/06

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TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.	: KCL/A06/01/25/001	Date Of Report:	: 31/01/2025
Name and Address of Company	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Month of Monitoring	January - 2025		
Name of Location	Wandh Village		
Latitude	: 22.81156	Longitude	: 69.54114

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/26	Respirable Dust Sampler	1745-DTA-2013	02/08/2024	01/08/2025
UERL/AIR/FPS/42	Fine Particulate Sampler	125-DTD-2013	03/08/2024	02/08/2025

➤ **Test Parameter Results**

Sr. No.	Sampling Date	Result			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³
1.	02/01/2025	74.4	29.1	16.6	21.6
2.	06/01/2025	67.2	32.5	18.1	20.0
3.	09/01/2025	71.4	31.6	15.8	20.4
4.	13/01/2025	87.4	27.6	15.0	19.7
5.	16/01/2025	75.4	25.8	15.5	18.3
6.	20/01/2025	65.5	26.8	16.4	21.2
7.	23/01/2025	69.9	28.6	15.3	21.1
8.	27/01/2025	63.5	24.7	17.9	23.8
9.	30/01/2025	68.5	22.7	16.5	21.6
Average		71.5	27.7	16.3	20.9
Permissible Limit (As per NAAQS)		100	60	80	80
Test Method		IS - 5182, Part - 23	IS - 5182, Part - 24	IS - 5182, Part - 2	IS - 5182, Part - 6

Remarks:

Opinion & Interpretation (if required):

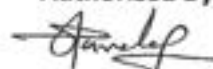
***** End of Report *****

Checked By:



Pooja S. Gandhi
(Sr. Chemist)
Page No.: 1 of 1

Authorized By:



Jaivik S. Tandel
(Manager - Operations)
UERL/AIR/F-05/06

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TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.	: KCL/A07/01/25/001	Date Of Report:	: 31/01/2025
Name and Address of Company	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Month of Monitoring	January - 2025		
Name of Location	Navinal Village		
Latitude	: 22.837088	Longitude	: 69.579112

➤ Details of Instrument Used for Monitoring

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/12	Respirable Dust Sampler	1861-DTL-2010	18/12/2024	17/12/2025
UERL/AIR/FPS/21	Fine Particulate Sampler	20-DTC-2012	20/12/2024	19/12/2025

➤ Test Parameter Results

Sr. No.	Sampling Date	Result			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³
1.	02/01/2025	63.7	20.5	18.5	22.4
2.	06/01/2025	54.8	18.4	20.0	22.8
3.	09/01/2025	61.5	19.5	17.5	21.7
4.	13/01/2025	62.3	21.3	19.3	22.5
5.	16/01/2025	57.6	18.9	17.3	20.8
6.	20/01/2025	60.9	19.6	18.0	22.4
7.	23/01/2025	56.8	21.5	20.7	24.6
8.	27/01/2025	63.4	20.8	18.9	23.5
9.	30/01/2025	67.2	22.5	19.5	25.6
Average		60.9	20.3	18.9	22.9
Permissible Limit (As per NAAQS)		100	60	80	80
Test Method		IS - 5182, Part - 23	IS - 5182, Part - 24	IS - 5182, Part - 2	IS - 5182, Part - 6

Remarks:

Opinion & Interpretation (if required):

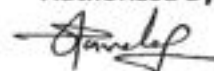
***** End of Report *****

Checked By:



Pooja S. Gandhi
(Sr. Chemist)
Page No.: 1 of 1

Authorized By:



Jaivik S. Tandel
(Manager - Operations)
UERL/AIR/F-05/06

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GPCB Recognized Environmental
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ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.	: KCL/A01/02/25/001	Date Of Report	: 03/03/2025
Name and Address of Company	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Month of Monitoring	February - 2025		
Name of Location	RMH area		
Latitude	: 22.819475 N	Longitude	: 69.586593 E

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/184	Respirable Dust Sampler	413K24	02/01/2025	02/01/2026
UERL/AIR/FPS/184	Fine Particulate Sampler	493L24	27/12/2024	27/12/2025

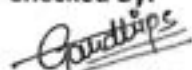
➤ **Test Parameter Results**

Sr. No.	Sampling Date	Result			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³
1.	05/02/2025	81.7	31.1	18.2	22.5
2.	06/02/2025	76.3	27.5	16.3	20.8
3.	13/02/2025	65.4	24.3	13.8	17.2
4.	14/02/2025	73.9	26.5	15.4	19.8
5.	20/02/2025	80.4	30.8	18.3	23.1
6.	21/02/2025	86.1	32.6	19.8	22.4
7.	24/02/2025	77.5	29.3	17.5	21.2
8.	25/02/2025	72.3	26.7	15.3	19.6
Average		76.7	28.6	16.8	20.8
Permissible Limit (As per NAAQS)		100	60	80	80
Test Method		IS - 5182, Part - 23	IS - 5182, Part - 24	IS - 5182, Part - 2	IS - 5182, Part - 6

Remarks:
Opinion & Interpretation (if required):

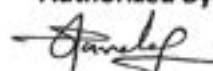
***** End of Report *****

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Pooja S. Gandhi
(Sr. Chemist)
Page No.: 1 of 1

Authorized By:



Jaivik S. Tandel
(Manager - Operations)
UERL/AIR/F-05/06

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ISO 9001 : 2015
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ISO 45001 : 2018
Certified Company

TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.	: KCL/A02/02/25/001	Date Of Report:	: 03/03/2025
Name and Address of Company	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Month of Monitoring	February - 2025		
Name of Location	KCL Complex (LNG area)		
Latitude	: 22.817990 N	Longitude	: 69.576867 E

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/185	Respirable Dust Sampler	415K24	02/01/2025	02/01/2026
UERL/AIR/FPS/185	Fine Particulate Sampler	506L24	28/12/2024	28/12/2025

➤ **Test Parameter Results**

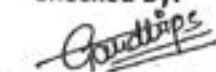
Sr. No.	Sampling Date	Result			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³
1.	05/02/2025	65.8	24.5	15.3	21.1
2.	06/02/2025	71.5	25.4	17.1	23.7
3.	13/02/2025	78.3	28.1	18.8	23.4
4.	14/02/2025	61.8	22.5	14.3	19.8
5.	20/02/2025	73.2	25.4	17.2	23.5
6.	21/02/2025	67.5	23.8	14.6	19.3
7.	24/02/2025	64.8	21.5	13.8	17.4
8.	25/02/2025	70.2	24.6	15.4	21.9
Average		69.1	24.4	15.8	21.2
Permissible Limit (As per NAAQS)		100	60	80	80
Test Method		IS - 5182, Part - 23	IS - 5182, Part - 24	IS - 5182, Part - 2	IS - 5182, Part - 6

Remarks:

Opinion & Interpretation (If required):

***** End of Report *****

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Pooja S. Gandhi
(Sr. Chemist)
Page No.: 1 of 1

Authorized By:



Jaivik S. Tandel
(Manager - Operations)
UERL/AIR/F-05/06

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Auditor (Schedule-11)

ISO 9001 : 2015
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ISO 45001 : 2018
Certified Company

**TEST REPORT
(AMBIENT AIR MONITORING)**

Test Report No.	: KCL/A03/02/25/001	Date Of Report:	: 03/03/2025
Name and Address of Company	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Month of Monitoring	February - 2025		
Name of Location	KCL Complex (Admin Building)		
Latitude	: 22.827180	Longitude	: 69.582640

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/186	Respirable Dust Sampler	418K25	02/01/2025	02/01/2026
UERL/AIR/FPS/186	Fine Particulate Sampler	431L24	27/12/2024	27/12/2025

➤ **Test Parameter Results**

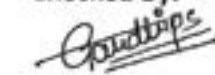
Sr. No.	Sampling Date	Result			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³
1.	05/02/2025	76.3	23.8	20.3	24.7
2.	06/02/2025	83.7	27.5	25.1	29.5
3.	13/02/2025	87.4	32.1	27.8	32.2
4.	14/02/2025	79.2	25.7	23.4	27.5
5.	20/02/2025	83.6	30.4	25.8	29.4
6.	21/02/2025	74.9	24.3	19.7	23.2
7.	24/02/2025	81.4	27.6	21.5	25.2
8.	25/02/2025	87.4	31.1	26.5	29.8
Average		81.7	27.8	23.7	27.6
Permissible Limit (As per NAAQS)		100	60	80	80
Test Method		IS - 5182, Part - 23	IS - 5182, Part - 24	IS - 5182, Part - 2	IS - 5182, Part - 6

Remarks:

Opinion & Interpretation (if required):

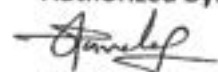
***** End of Report *****

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Pooja S. Gandhi
(Sr. Chemist)
Page No.: 1 of 1

Authorized By:



Jaivik S. Tandel
(Manager - Operations)
UERL/AIR/F-05/06

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ISO 9001 : 2015
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**TEST REPORT
(AMBIENT AIR MONITORING)**

Test Report No.	: KCL/A04/02/25/001	Date Of Report:	: 03/03/2025
Name and Address of Company	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Month of Monitoring	February - 2025		
Name of Location	Main Gate, KCTL		
Latitude	: 22.833832	Longitude	: 69.583024

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/187	Respirable Dust Sampler	411K24	02/01/2025	02/01/2026
UERL/AIR/FPS/187	Fine Particulate Sampler	503L24	28/12/2024	28/12/2025

➤ **Test Parameter Results**

Sr. No.	Sampling Date	Result			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³
1.	05/02/2025	85.8	30.1	19.7	24.3
2.	06/02/2025	82.5	27.3	18.1	22.8
3.	13/02/2025	75.4	24.9	16.5	20.3
4.	14/02/2025	79.7	27.5	19.3	23.6
5.	20/02/2025	70.5	25.2	15.8	19.5
6.	21/02/2025	77.4	28.8	18.5	23.2
7.	24/02/2025	80.2	31.5	21.4	25.1
8.	25/02/2025	83.5	34.2	23.7	27.4
Average		79.3	28.6	19.1	23.2
Permissible Limit (As per NAAQS)		100	60	80	80
Test Method		IS - 5182, Part - 23	IS - 5182, Part - 24	IS - 5182, Part - 2	IS - 5182, Part - 6

Remarks:

Opinion & Interpretation (if required):

***** End of Report *****

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Pooja S. Gandhi
(Sr. Chemist)
Page No.: 1 of 1

Authorized By:



Jaivik S. Tandel
(Manager - Operations)
UERL/AIR/F-05/06

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TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.	: KCL/A05/02/25/001	Date Of Report:	: 03/03/2025
Name and Address of Company	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Month of Monitoring	February - 2025		
Name of Location	Shiracha Village		
Latitude	: 22.844966	Longitude	: 69.571543

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/24	Respirable Dust Sampler	2345-DTB-2012	02/08/2024	01/08/2025
UERL/AIR/FPS/30	Fine Particulate Sampler	132-DTL-2012	02/08/2024	01/08/2025

➤ **Test Parameter Results**

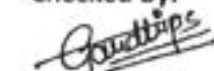
Sr. No.	Sampling Date	Result			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³
1.	03/02/2025	57.8	17.5	15.3	18.8
2.	06/02/2025	65.4	20.6	18.5	21.3
3.	10/02/2025	62.8	19.2	17.4	21.7
4.	13/02/2025	70.3	23.5	19.7	23.5
5.	17/02/2025	81.1	27.5	22.5	26.2
6.	20/02/2025	76.6	24.2	20.6	23.4
7.	24/02/2025	70.5	21.8	19.1	22.6
8.	27/02/2025	62.5	18.3	17.4	20.8
Average		68.3	21.5	18.8	22.2
Permissible Limit (As per NAAQS)		100	60	80	80
Test Method		IS - 5182, Part - 23	IS - 5182, Part - 24	IS - 5182, Part - 2	IS - 5182, Part - 6

Remarks:

Opinion & Interpretation (if required):

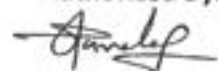
***** End of Report *****

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Pooja S. Gandhi
(Sr. Chemist)
Page No.: 1 of 1

Authorized By:



Jaivik S. Tandel
(Manager - Operations)
UERL/AIR/F-05/06

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 GPCB Recognized Environmental
 Auditor (Schedule-11)

 ISO 9001 : 2015
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 ISO 45001 : 2018
 Certified Company

TEST REPORT (AMBIENT AIR MONITORING)

Test Report No.	: KCL/A06/02/25/001	Date Of Report:	: 03/03/2025
Name and Address of Company	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Month of Monitoring	February - 2025		
Name of Location	Wandh Village		
Latitude	: 22.81156	Longitude	: 69.54114

➤ Details of Instrument Used for Monitoring

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/26	Respirable Dust Sampler	1745-DTA-2013	02/08/2024	01/08/2025
UERL/AIR/FPS/42	Fine Particulate Sampler	125-DTD-2013	03/08/2024	02/08/2025

➤ Test Parameter Results

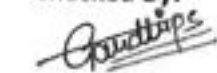
Sr. No.	Sampling Date	Result			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³
1.	03/02/2025	68.5	26.3	16.2	22.1
2.	06/02/2025	75.7	29.2	18.8	23.9
3.	10/02/2025	84.3	32.5	21.4	26.7
4.	13/02/2025	79.6	28.4	20.1	25.4
5.	17/02/2025	83.2	33.4	24.6	29.3
6.	20/02/2025	75.4	26.7	18.5	23.2
7.	24/02/2025	66.9	24.3	17.4	22.6
8.	27/02/2025	63.7	23.2	15.9	21.1
Average		74.6	28.0	19.1	24.2
Permissible Limit (As per NAAQS)		100	60	80	80
Test Method		IS - 5182, Part - 23	IS - 5182, Part - 24	IS - 5182, Part - 2	IS - 5182, Part - 6

Remarks:

Opinion & Interpretation (if required):

***** End of Report *****

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 Pooja S. Gandhi
 (Sr. Chemist)
 Page No.: 1 of 1

Authorized By:



 Jaivik S. Tandel
 (Manager - Operations)
 UERL/AIR/F-05/06

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TEST REPORT (AMBIENT AIR MONITORING)

Test Report No.	: KCL/A07/02/25/001	Date Of Report:	: 03/03/2025
Name and Address of Company	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Month of Monitoring	February - 2025		
Name of Location	Navinal Village		
Latitude	: 22.837088	Longitude	: 69.579112

➤ Details of Instrument Used for Monitoring

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/12	Respirable Dust Sampler	1861-DTL-2010	18/12/2024	17/12/2025
UERL/AIR/FPS/21	Fine Particulate Sampler	20-DTC-2012	20/12/2024	19/12/2025

➤ Test Parameter Results

Sr. No.	Sampling Date	Result			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³
1.	03/02/2025	66.2	22.5	17.3	20.1
2.	06/02/2025	71.4	24.7	20.1	23.5
3.	10/02/2025	68.4	20.8	18.6	21.9
4.	13/02/2025	61.7	17.4	15.9	18.7
5.	17/02/2025	53.8	15.4	14.7	17.1
6.	20/02/2025	57.4	17.1	15.3	18.6
7.	24/02/2025	69.4	20.3	18.6	21.3
8.	27/02/2025	64.2	17.3	16.8	19.5
Average		64.0	19.4	17.1	20.0
Permissible Limit (As per NAAQS)		100	60	80	80
Test Method		IS - 5182, Part - 23	IS - 5182, Part - 24	IS - 5182, Part - 2	IS - 5182, Part - 6

Remarks:

Opinion & Interpretation (if required):

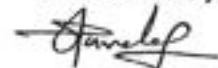
***** End of Report *****

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Pooja S. Gandhi
(Sr. Chemist)
Page No.: 1 of 1

Authorized By:



Jaivik S. Tandel
(Manager - Operations)
UERL/AIR/F-05/06

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ISO 45001 : 2018
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TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.	: KCL/A01/03/25/001	Date Of Report:	: 02/04/2025
Name and Address of Company	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Month of Monitoring	March - 2025		
Name of Location	RMH area		
Latitude	: 22.819475 N	Longitude	: 69.586593 E

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/184	Respirable Dust Sampler	413K24	02/01/2025	02/01/2026
UERL/AIR/FPS/184	Fine Particulate Sampler	493L24	27/12/2024	27/12/2025

➤ **Test Parameter Results**

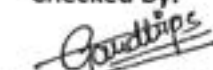
Sr. No.	Sampling Date	Result			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³
1.	06/03/2025	76.3	28.7	17.5	21.2
2.	07/03/2025	82.8	31.5	21.7	25.1
3.	10/03/2025	80.1	30.8	19.3	23.6
4.	11/03/2025	77.6	27.5	17.2	20.8
5.	20/03/2025	82.3	28.3	22.1	26.5
6.	21/03/2025	85.6	33.4	25.6	29.3
7.	27/03/2025	81.2	31.9	21.3	25.3
8.	28/03/2025	78.5	28.2	19.7	22.2
Average		80.6	30.0	20.6	24.3
Permissible Limit (As per NAAQS)		100	60	80	80
Test Method		IS - 5182, Part - 23	IS - 5182, Part - 24	IS - 5182, Part - 2	IS - 5182, Part - 6

Remarks:

Opinion & Interpretation (if required):

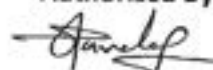
***** End of Report *****

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Pooja S. Gandhi
(Sr. Chemist)
Page No.: 1 of 1

Authorized By:



Jaivik S. Tandel
(Manager - Operations)
UERL/AIR/F-05/06

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ISO 9001 : 2015
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ISO 45001 : 2018
Certified Company

TEST REPORT (AMBIENT AIR MONITORING)

Test Report No.	: KCL/A02/03/25/001	Date Of Report:	: 02/04/2025
Name and Address of Company	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Month of Monitoring	March - 2025		
Name of Location	KCL Complex (LNG area)		
Latitude	: 22.817990 N	Longitude	: 69.576867 E

Details of Instrument Used for Monitoring

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/185	Respirable Dust Sampler	415K24	02/01/2025	02/01/2026
UERL/AIR/FPS/185	Fine Particulate Sampler	506L24	28/12/2024	28/12/2025

Test Parameter Results

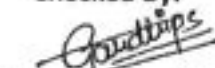
Sr. No.	Sampling Date	Result			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³
1.	06/03/2025	72.4	26.2	17.1	22.5
2.	07/03/2025	76.1	27.8	18.9	24.1
3.	10/03/2025	79.7	30.1	20.3	25.6
4.	11/03/2025	74.3	25.6	17.2	22.1
5.	20/03/2025	77.9	27.1	18.6	21.9
6.	21/03/2025	71.4	24.5	15.2	20.6
7.	27/03/2025	67.3	22.8	14.7	19.4
8.	28/03/2025	70.6	25.3	16.5	20.7
Average		73.7	26.2	17.3	22.1
Permissible Limit (As per NAAQS)		100	60	80	80
Test Method		IS - 5182, Part - 23	IS - 5182, Part - 24	IS - 5182, Part - 2	IS - 5182, Part - 6

Remarks:

Opinion & Interpretation (if required):

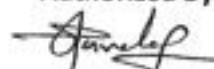
***** End of Report *****

Checked By:



Pooja S. Gandhi
(Sr. Chemist)
Page No.: 1 of 1

Authorized By:



Jaivik S. Tandel
(Manager - Operations)
UERL/AIR/F-05/06

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ISO 9001 : 2015
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ISO 45001 : 2018
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TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.	: KCL/A03/03/25/001	Date Of Report:	: 02/04/2025
Name and Address of Company	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Month of Monitoring	March - 2025		
Name of Location	KCL Complex (Admin Building)		
Latitude	: 22.827180	Longitude	: 69.582640

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/186	Respirable Dust Sampler	418K25	02/01/2025	02/01/2026
UERL/AIR/FPS/186	Fine Particulate Sampler	431L24	27/12/2024	27/12/2025

➤ **Test Parameter Results**

Sr. No.	Sampling Date	Result			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³
1.	06/03/2025	84.3	28.6	26.1	27.5
2.	07/03/2025	86.1	32.6	29.5	32.1
3.	10/03/2025	81.3	26.5	25.4	29.7
4.	11/03/2025	84.5	29.2	27.3	31.2
5.	20/03/2025	77.3	25.7	24.1	28.6
6.	21/03/2025	80.6	26.4	26.8	30.5
7.	27/03/2025	84.2	30.5	29.2	32.7
8.	28/03/2025	79.8	26.1	25.4	28.2
Average		82.3	28.2	26.7	30.1
Permissible Limit (As per NAAQS)		100	60	80	80
Test Method		IS - 5182, Part - 23	IS - 5182, Part - 24	IS - 5182, Part - 2	IS - 5182, Part - 6

Remarks:

Opinion & Interpretation (if required):

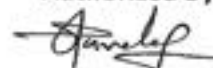
***** End of Report *****

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Pooja S. Gandhi
(Sr. Chemist)
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Jaivik S. Tandel
(Manager - Operations)
UERL/AIR/F-05/06

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ISO 45001 : 2018
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TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.	: KCL/A04/03/25/001	Date Of Report:	: 02/04/2025
Name and Address of Company	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Month of Monitoring	March - 2025		
Name of Location	Main Gate, KCTL		
Latitude	: 22.833832	Longitude	: 69.583024

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/187	Respirable Dust Sampler	411K24	02/01/2025	02/01/2026
UERL/AIR/FPS/187	Fine Particulate Sampler	503L24	28/12/2024	28/12/2025

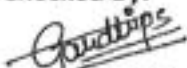
➤ **Test Parameter Results**

Sr. No.	Sampling Date	Result			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³
1.	06/03/2025	81.8	31.3	21.7	26.2
2.	07/03/2025	78.6	29.9	19.5	23.8
3.	10/03/2025	84.8	32.5	23.1	28.4
4.	11/03/2025	87.1	36.7	26.4	31.2
5.	20/03/2025	79.5	30.3	20.8	25.6
6.	21/03/2025	75.9	28.7	19.2	23.1
7.	27/03/2025	82.3	32.4	23.6	27.4
8.	28/03/2025	77.8	30.1	21.4	26.8
Average		81.0	31.5	22.0	26.6
Permissible Limit (As per NAAQS)		100	60	80	80
Test Method		IS - 5182, Part - 23	IS - 5182, Part - 24	IS - 5182, Part - 2	IS - 5182, Part - 6

Remarks:
Opinion & Interpretation (if required):

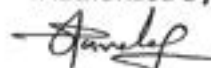
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Pooja S. Gandhi
(Sr. Chemist)
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Authorized By:



Jaivik S. Tandel
(Manager - Operations)
UERL/AIR/F-05/06

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ISO 45001 : 2018
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TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.	: KCL/A05/03/25/001	Date Of Report:	: 02/04/2025
Name and Address of Company	: M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Month of Monitoring	: March - 2025		
Name of Location	: Shiracha Village		
Latitude	: 22.844966	Longitude	: 69.571543

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/24	Respirable Dust Sampler	2345-DTB-2012	02/08/2024	01/08/2025
UERL/AIR/FPS/30	Fine Particulate Sampler	132-DTL-2012	02/08/2024	01/08/2025

➤ **Test Parameter Results**

Sr. No.	Sampling Date	Result			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³
1.	03/03/2025	65.1	21.3	16.2	21.7
2.	06/03/2025	68.5	23.8	17.4	23.1
3.	10/03/2025	74.3	27.1	20.3	24.4
4.	13/03/2025	71.2	25.4	19.7	23.8
5.	17/03/2025	67.5	22.7	17.3	22.5
6.	20/03/2025	64.9	19.8	15.4	20.1
7.	24/03/2025	69.4	21.4	16.7	19.5
8.	27/03/2025	73.7	24.8	19.9	24.3
9.	31/03/2025	68.5	23.1	17.8	22.7
Average		69.2	23.3	17.9	22.5
Permissible Limit (As per NAAQS)		100	60	80	80
Test Method		IS - 5182, Part - 23	IS - 5182, Part - 24	IS - 5182, Part - 2	IS - 5182, Part - 6

Remarks:

Opinion & Interpretation (if required):

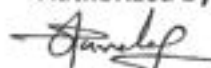
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Pooja S. Gandhi
(Sr. Chemist)
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Jaivik S. Tandel
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UERL/AIR/F-05/06

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TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.	: KCL/A06/03/25/001	Date Of Report:	: 02/04/2025
Name and Address of Company	: M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1, 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Month of Monitoring	: March - 2025		
Name of Location	: Wandh Village		
Latitude	: 22.81156	Longitude	: 69.54114

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/26	Respirable Dust Sampler	1745-DTA-2013	02/08/2024	01/08/2025
UERL/AIR/FPS/42	Fine Particulate Sampler	125-DTD-2013	03/08/2024	02/08/2025

➤ **Test Parameter Results**

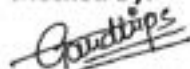
Sr. No.	Sampling Date	Result			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³
1.	03/03/2025	66.3	25.1	17.8	21.5
2.	06/03/2025	72.2	27.8	20.1	24.8
3.	10/03/2025	68.6	26.4	18.6	22.3
4.	13/03/2025	75.4	30.1	20.8	24.6
5.	17/03/2025	73.2	28.5	19.3	23.9
6.	20/03/2025	68.6	25.6	17.9	21.1
7.	24/03/2025	75.1	31.8	21.4	25.6
8.	27/03/2025	72.9	28.4	19.7	23.4
9.	31/03/2025	76.1	31.5	22.2	27.1
Average		72.0	28.4	19.8	23.8
Permissible Limit (As per NAAQS)		100	60	80	80
Test Method		IS - 5182, Part - 23	IS - 5182, Part - 24	IS - 5182, Part - 2	IS - 5182, Part - 6

Remarks:

Opinion & Interpretation (if required):

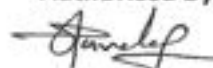
***** End of Report *****

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Pooja S. Gandhi
(Sr. Chemist)
Page No.: 1 of 1

Authorized By:



Jaivik S. Tandel
(Manager - Operations)
UERL/AIR/F-05/06

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TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.	: KCL/A07/03/25/001	Date Of Report:	: 02/04/2025
Name and Address of Company	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Month of Monitoring	March - 2025		
Name of Location	Navinal Village		
Latitude	: 22.837088	Longitude	: 69.579112

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/12	Respirable Dust Sampler	1861-DTL-2010	18/12/2024	17/12/2025
UERL/AIR/FPS/21	Fine Particulate Sampler	20-DTC-2012	20/12/2024	19/12/2025

➤ **Test Parameter Results**

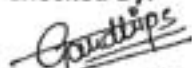
Sr. No.	Sampling Date	Result			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³
1.	03/03/2025	63.8	19.6	15.8	19.1
2.	06/03/2025	67.4	21.6	18.1	21.9
3.	10/03/2025	71.2	24.3	21.5	25.3
4.	13/03/2025	65.9	20.7	17.8	21.6
5.	17/03/2025	62.7	18.6	16.4	21.1
6.	20/03/2025	68.4	22.5	18.3	22.6
7.	24/03/2025	65.8	21.1	17.3	20.8
8.	27/03/2025	72.4	24.5	20.2	24.5
9.	31/03/2025	68.3	23.2	18.9	22.7
Average		67.3	21.8	18.3	22.2
Permissible Limit (As per NAAQS)		100	60	80	80
Test Method		IS - 5182, Part - 23	IS - 5182, Part - 24	IS - 5182, Part - 2	IS - 5182, Part - 6

Remarks:

Opinion & Interpretation (if required):

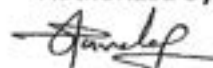
***** End of Report *****

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Pooja S. Gandhi
(Sr. Chemist)
Page No.: 1 of 1

Authorized By:



Jaivik S. Tandel
(Manager - Operations)
UERL/AIR/F-05/06

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ANNEXURE-2

**GROUND WATER ANALYSIS
REPORTS
(October 2024 – March 2025)**

Reporting Date: 05/11/2024

WATER ANALYSIS REPORT

Company Name		Kutch Copper Limited						
Sample Type		Water						
Sample Quantity		6 L						
Date of Sampling		01/10/2024						
Analysis Period		02/10/2024 to 10/10/2024						
Sl. No.	Parameter	Unit	Location			Test Method	IS 10500:2012	
			Navinal Village (BW)	Siracha village (BW)	Jarpra Village (BW)		AL	PL
1.	pH@25 °C	-	7.72	7.75	7.82	IS 3025-Part11	6.5-8.5	No relaxation
2.	Turbidity	NTU	BQL (QL=0.1)	BQL (QL=0.1)	BQL (QL=0.1)	APHA 23 rd Edn(2130 B)	1	5
3.	Total Dissolved Solids	mg/L	1706.0	1603.0	2663.0	APHA23 rd Edn(2540 C)	500	2000
4.	Total Hardness as CaCO ₃	mg/L	368.0	300.0	375.0	APHA23 rd Edn(2340 C)	200	600
5.	Alkalinity as CaCO ₃	mg/L	284.00	220.00	380.00	APHA23 rd Edn (2230B)	200	600
6.	Calcium as Ca	mg/L	70.54	48.10	41.28	APHA23 rd Edn (3500Ca B)	75	200
7.	Chloride	mg/L	604.81	559.83	1124.65	IS 3025-Part 32	250	1000
8.	Sulphate	mg/L	84.32	126.98	101.18	APHA23 rd Edn (4500SO ₄ E)	200	400
9.	Nitrate	mg/L	3.53	5.18	3.61	APHA23 rd Edn (4500NO ₃ B)	45	No relaxation
10.	Iron	mg/L	0.305	0.112	0.193	APHA 23 rd Edn(3120 B)	0.3	No relaxation
11.	Fluoride	mg/L	0.55	0.45	0.51	APHA 23 rd Edn(4500 F D)	1	1.5
12.	Hexavalent Chromium as Cr6+	mg/L	BQL (QL=0.01)	BQL (QL=0.01)	BQL (QL=0.01)	APHA 23 rd Edn(3500Cr B)	NS	NS



13.	Zinc (Zn)	mg/L	BQL (QL=0.02)	BQL (QL=0.02)	BQL (QL=0.02)	APHA 23rdEdn(3120 B)	5	15
14.	Magnesium (Mg)	mg/L	45.68	41.31	57.11	APHA23rdEdn(3500MgB)	30	100
15.	Residual Chlorine	mg/L	BQL (QL=0.05)	BQL (QL=0.05)	BQL (QL=0.05)	APHA23rdEdn(4500Cl B)	0.2	1.0
16.	Colour	CU	BQL (QL=1)	BQL (QL=1)	BQL (QL=1)	IS 3025-Part 4	5	15
17.	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025-Part 5	Agreeable	Agreeable
18.	Temperature	°C	26.2	27.1	27.1	APHA23rdEdn (2550B)	NS	NS
19.	Taste	-	Agreeable	Agreeable	Agreeable	IS 3025-Part7,8	Agreeable	Agreeable
20.	Phenolic Compounds	mg/L	BQL (QL=0.001)	BQL (QL=0.001)	BQL (QL=0.001)	IS 3025- Part 43	0.001	0.002
21.	Cyanide	mg/L	BQL (QL=0.025)	BQL (QL=0.025)	BQL (QL=0.025)	GGMPL/SOP/W/43	0.05	No relaxation
22.	Aluminium (Al)	mg/L	0.053	0.051	0.054	APHA23rdEdn (3120 B)	0.03	0.2
23.	Arsenic (As)	mg/L	BQL (QL=0.005)	BQL (QL=0.005)	BQL (QL=0.005)	APHA23rdEdn (3120 B)	0.01	0.05
24.	Boron (B)	mg/L	0.428	0.519	0.681	APHA23rdEdn (3120 B)	0.5	1.0
25.	Cadmium (Cd)	mg/L	BQL (QL=0.002)	BQL (QL=0.002)	BQL (QL=0.002)	APHA23rdEdn (3120 B)	0.003	No relaxation
26.	Copper (Cu)	mg/L	BQL (QL=0.02)	BQL (QL=0.02)	BQL (QL=0.02)	APHA23rdEdn (3120 B)	0.05	1.5
27.	Lead (Pb)	mg/L	BQL (QL=0.005)	BQL (QL=0.005)	BQL (QL=0.005)	APHA23rdEdn (3120 B)	0.01	No relaxation
28.	Manganese (Mn)	mg/L	BQL (QL=0.05)	BQL (QL=0.05)	BQL (QL=0.05)	APHA23rdEdn (3120 B)	0.1	0.3
29.	Mercury (Hg)	mg/L	BQL (QL=0.0005)	BQL (QL=0.0005)	BQL (QL=0.0005)	APHA23rdEdn (3112 B)	0.001	No relaxation
30.	Selenium (Se)	mg/L	BQL (QL=0.005)	BQL (QL=0.005)	BQL (QL=0.005)	APHA23rdEdn (3120 B)	0.01	No relaxation

31.	Anionic Surface Active Agents	mg/L	BQL (QL=0.05)	BQL (QL=0.05)	BQL (QL=0.05)	APHA23rdEdn (5540 C)	0.2	1.0
32.	E.coli	-	Absent	Absent	Absent	IS 1622	Absent	-
33.	Total Coliform	-	Absent	Absent	Absent	IS 1622	Absent	-

BQL - Below Quantification Limit

Analysis By
Anurag K.R
Anurag Kumar



Approved By
Ramakant Panday
Ramakant Panday

END

Reporting Date: 04/12/2024

WATER ANALYSIS REPORT

Company Name		Kutch Copper Limited						
Sample Type		Water						
Sample Quantity		6 L						
Date of Sampling		14/11/2024						
Analysis Period		16/11/2024 to 23/11/2024						
Sl. No.	Parameter	Unit	Location			Test Method	IS 10500:2012	
			Navinal Village (BW)	Siracha village (RW)	Jarpara Village (RW)		AL	PL
1.	pH@25 °C	-	7.25	7.68	7.54	IS 3025-Part11	6.5-8.5	No relaxation
2.	Turbidity	NTU	BQL (QL=0.1)	BQL (QL=0.1)	BQL (QL=0.1)	APHA 23 rd Edn(2130 B)	1	5
3.	Total Dissolved Solids	mg/L	1648.00	1510.00	2552.00	APHA23 rd Edn(2540 C)	500	2000
4.	Total Hardness as CaCO3	mg/L	392.00	340.00	348.00	APHA23 rd Edn(2340 C)	200	600
5.	Alkalinity as CaCO3	mg/L	312.00	264.00	312.00	APHA23 rd Edn (2230B)	200	600
6.	Calcium as Ca	mg/L	76.95	73.75	58.92	APHA23 rd Edn (3500Ca B)	75	200
7.	Chloride	mg/L	629.80	609.81	1019.7	IS 3025-Part 32	250	1000
8.	Sulphate	mg/L	83.64	114.2	93.8	APHA23 rd Edn (4500SO ₄ E)	200	400
9.	Nitrate	mg/L	3.21	2.26	3.17	APHA23 rd Edn (4500NO ₃ B)	45	No relaxation
10.	Iron	mg/L	0.284	0.157	0.201	APHA 23 rd Edn(3120 B)	0.3	No relaxation
11.	Fluoride	mg/L	0.61	0.42	0.44	APHA 23 rd Edn(4500 F D)	1	1.5
12.	Hexavalent Chromium as Cr6+	mg/L	BQL (QL=0.01)	BQL (QL=0.01)	BQL (QL=0.01)	APHA 23 rd Edn(3500Cr B)	NS	NS

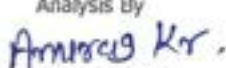


13.	Zinc (Zn)	mg/L	BQL (QL=0.02)	BQL (QL=0.02)	BQL (QL=0.02)	APHA 23rdEdn(3120 B)	5	15
14.	Magnesium (Mg)	mg/L	48.60	37.91	48.84	APHA23rdEdn(3500MgB)	30	100
15.	Residual Chlorine	mg/L	BQL (QL=0.05)	BQL (QL=0.05)	BQL (QL=0.05)	APHA23rdEdn(4500Cl B)	0.2	1.0
16.	Colour	CU	BQL (QL=1)	BQL (QL=1)	BQL (QL=1)	IS 3025-Part 4	5	15
17.	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025-Part 5	Agreeable	Agreeable
18.	Temperature	°C	26.8	26.6	27.5	APHA23rdEdn (2550B)	NS	NS
19.	Taste	-	Agreeable	Agreeable	Agreeable	IS 3025-Part 7,8	Agreeable	Agreeable
20.	Phenolic Compounds	mg/L	BQL (QL=0.001)	BQL (QL=0.001)	BQL (QL=0.001)	IS 3025- Part 43	0.001	0.002
21.	Cyanide	mg/L	BQL (QL=0.025)	BQL (QL=0.025)	BQL (QL=0.025)	GGMPL/SOP/W/43	0.05	No relaxation
22.	Aluminium (Al)	mg/L	0.048	0.042	0.046	APHA23rdEdn (3120 B)	0.03	0.2
23.	Arsenic (As)	mg/L	BQL (QL=0.005)	BQL (QL=0.005)	BQL (QL=0.005)	APHA23rdEdn (3120 B)	0.01	0.05
24.	Boron (B)	mg/L	0.385	0.428	0.463	APHA23rdEdn (3120 B)	0.5	1.0
25.	Cadmium (Cd)	mg/L	BQL (QL=0.002)	BQL (QL=0.002)	BQL (QL=0.002)	APHA23rdEdn (3120 B)	0.003	No relaxation
26.	Copper (Cu)	mg/L	BQL (QL=0.02)	BQL (QL=0.02)	BQL (QL=0.02)	APHA23rdEdn (3120 B)	0.05	1.5
27.	Lead (Pb)	mg/L	BQL (QL=0.005)	BQL (QL=0.005)	BQL (QL=0.005)	APHA23rdEdn (3120 B)	0.01	No relaxation
28.	Manganese (Mn)	mg/L	BQL (QL=0.05)	BQL (QL=0.05)	BQL (QL=0.05)	APHA23rdEdn (3120 B)	0.1	0.3
29.	Mercury (Hg)	mg/L	BQL (QL=0.0005)	BQL (QL=0.0005)	BQL (QL=0.0005)	APHA23rdEdn (3112 B)	0.001	No relaxation
30.	Selenium (Se)	mg/L	BQL (QL=0.005)	BQL (QL=0.005)	BQL (QL=0.005)	APHA23rdEdn (3120 B)	0.01	No relaxation



31.	Anionic Surface Active Agents	mg/L	BQL (QL=0.05)	BQL (QL=0.05)	BQL (QL=0.05)	APHA23rdEdn (5540 C)	0.2	1.0
32.	E.coli	-	Absent	Absent	Absent	IS 1622	Absent	-
33.	Total Coliform	-	Absent	Absent	Absent	IS 1622	Absent	-

BQL - Below Quantification Limit

Analysis By

 Anurag Kumar



Approved By

 Ramakant Pandey

END

Reporting Date: 02/01/2025

WATER ANALYSIS REPORT

Company Name		Kutch Copper Limited						
Sample Type		Water						
Sample Quantity		6 L						
Date of Sampling		05/12/2024						
Analysis Period		07/12/2024 to 14/12/2024						
Sl. No.	Parameter	Unit	Location			Test Method	IS 10500:2012	
			Navinal Village (BW)	Siracha village (BW)	Jarpra Village (BW)		AL	PL
1.	pH@25 °C	-	7.31	7.71	7.58	IS 3025-Part11	6.5-8.5	No relaxation
2.	Turbidity	NTU	BQL (QL=0.1)	BQL (QL=0.1)	BQL (QL=0.1)	APHA 23rdEdn(2130 B)	1	5
3.	Total Dissolved Solids	mg/L	1672.0	1524.0	2564.0	APHA23rd Edn(2540 C)	500	2000
4.	Total Hardness as CaCO3	mg/l	400.0	352.0	351.0	APHA23rd Edn(2310 C)	200	600
5.	Alkalinity as CaCO3	mg/L	320.00	220.00	328.00	APHA23rd Edn (2230B)	200	600
6.	Calcium as Ca	mg/L	78.56	76.95	60.52	APHA23rdEdn (3500Ca B)	75	200
7.	Chloride	mg/L	640.30	624.81	1034.68	IS 3025-Part 32	250	1000
8.	Sulphate	mg/L	86.26	117.82	96.78	APHA23rdEdn (4500SO4E)	200	400
9.	Nitrate	mg/L	3.43	3.01	3.37	APHA23rdEdn (4500NO3B)	45	No relaxation
10.	Iron	mg/L	0.291	0.162	0.206	APHA 23rdEdn(3120 B)	0.3	No relaxation
11.	Fluoride	mg/L	0.68	0.51	0.55	APHA 23rdEdn(4500 F D)	1	1.5
12.	Hexavalent Chromium as Cr6+	mg/L	BQL (QL=0.01)	BQL (QL=0.01)	BQL (QL=0.01)	APHA 23rdEdn(3500Cr B)	NS	NS



13.	Zinc (Zn)	mg/L	BQL (QL=0.02)	BQL (QL=0.02)	BQL (QL=0.02)	APHA 23rdEdn(3120 B)	5	15
14.	Magnesium (Mg)	mg/L	50.54	40.82	49.57	APHA23rdEdn(3500MgB)	30	100
15.	Residual Chlorine	mg/L	BQL (QL=0.05)	BQL (QL=0.05)	BQL (QL=0.05)	APHA23rdEdn(4500Cl B)	0.2	1.0
16.	Colour	CU	BQL (QL=1)	BQL (QL=1)	BQL (QL=1)	IS 3025-Part 4	5	15
17.	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025-Part 5	Agreeable	Agreeable
18.	Temperature	°C	25.1	24.8	24.1	APHA23rdEdn (2550B)	NS	NS
19.	Taste	-	Agreeable	Agreeable	Agreeable	IS 3025-Part7,8	Agreeable	Agreeable
20.	Phenolic Compounds	mg/L	BQL (QL=0.001)	BQL (QL=0.001)	BQL (QL=0.001)	IS 3025- Part 43	0.001	0.002
21.	Cyanide	mg/L	BQL (QL=0.025)	BQL (QL=0.025)	BQL (QL=0.025)	GGMPL/SOP/W/43	0.05	No relaxation
22.	Aluminium (Al)	mg/L	0.051	0.045	0.047	APHA23rdEdn (3120 B)	0.03	0.2
23.	Arsenic (As)	mg/L	BQL (QL=0.005)	BQL (QL=0.005)	BQL (QL=0.005)	APHA23rdEdn (3120 B)	0.01	0.05
24.	Boron (B)	mg/L	0.392	0.435	0.475	APHA23rdEdn (3120 B)	0.5	1.0
25.	Cadmium (Cd)	mg/L	BQL (QL=0.002)	BQL (QL=0.002)	BQL (QL=0.002)	APHA23rdEdn (3120 B)	0.003	No relaxation
26.	Copper (Cu)	mg/L	BQL (QL=0.02)	BQL (QL=0.02)	BQL (QL=0.02)	APHA23rdEdn (3120 B)	0.05	1.5
27.	Lead (Pb)	mg/L	BQL (QL=0.005)	BQL (QL=0.005)	BQL (QL=0.005)	APHA23rdEdn (3120 B)	0.01	No relaxation
28.	Manganese (Mn)	mg/L	BQL (QL=0.05)	BQL (QL=0.05)	BQL (QL=0.05)	APHA23rdEdn (3120 B)	0.1	0.3
29.	Mercury (Hg)	mg/L	BQL (QL=0.0005)	BQL (QL=0.0005)	BQL (QL=0.0005)	APHA23rdEdn (3112 B)	0.001	No relaxation
30.	Selenium (Se)	mg/L	BQL (QL=0.005)	BQL (QL=0.005)	BQL (QL=0.005)	APHA23rdEdn (3120 B)	0.01	No relaxation

31.	Anionic Surface Active Agents	mg/L	BQL (QL=0.05)	BQL (QL=0.05)	BQL (QL=0.05)	APHA23rdEdn (5540 C)	0.2	1.0
32.	E.coli	-	Absent	Absent	Absent	IS 1622	Absent	-
33.	Total Coliform	-	Absent	Absent	Absent	IS 1622	Absent	-

BQL - Below Quantification Limit

Analysis By

Anurag K. r
Anurag Kumar



Approved By

Ramakant Pandey
Ramakant Pandey

END



TEST REPORT

Report No.	URC/25/01/0040		
Name & Address of Customer	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, North of APL Road, Near Adani Power Plant, APSEZ, Siracha and Navinal Village, Mundra, Kutch, Gujarat 370421, India., Kutch Gujarat, India, 370 421.	Date of Report	03/02/2025
		Customer's Ref.	--
Sample Details	Ground Water Sample	Location	Zarpara
Sample Qty.	3 Lit	Appearance	Colourless
Sampling Date	07/01/2025	Sample Received Date	08/01/2025
Test Started Date	08/01/2025	Test Completion Date	13/01/2025
Sampled By	UERL-Lab	Sampling Method	UERL/CHM/SOP/116
UERL Lab ID. No.	25/01/0040		

TEST RESULTS:

DISCIPLINE: Chemical Testing			NAME OF GROUP: Water			
Sr. No.	Parameters	Test Method Permissible	Unit of Measureme nt	As Per IS 10500:2012		Results
				Desirable Limit	Permissible limit in the absence of alternate source	
PHYSIO-CHEMICAL PARAMETERS						
1.	pH @ 25 ° C	IS 3025(Part 11):2022	--	6.5 – 8.5	No Relaxation	8.26
2.	Conductivity	IS 3025(Part 14):2013	µS/cm	--	--	3100
3.	Total Dissolved Solids	IS 3025(Part 16):2023	mg/L	500 Max.	2000 Max.	2080
GENERAL CHEMICAL PARAMETERS						
4.	Chloride as Cl ⁻	IS 3025(Part 32):1988	mg/L	250 Max.	1000 Max.	719.1
5.	Carbonate as CaCO3	IS 3025(Part 51):2021	mg/L	--	--	BDL(MDL:4.0)
6.	Bicarbonate as CaCO3	IS 3025(Part 51):2021	mg/L	--	--	448
7.	Total Alkalinity	IS 3025(Part 23):2023,	mg/L	250 Max.	600 Max.	421.2
8.	Calcium as Ca	APHA 24th Ed., 2023,3500 Ca. B	mg/L	75 Max.	200 Max.	59.5
9.	Magnesium as Mg	APHA 24th Ed., 2023, 3500 Mg. B	mg/L	30 Max.	100 Max.	45.7
10.	Sodium as Na	APHA 24th Ed., 2023,3500 Na, B	mg/L	--	--	607.2
11.	Potassium as K	APHA 24th Ed., 2023,3500 K, B	mg/L	--	--	3.7
12.	Total Hardness as CaCO ₃	IS 3025(Part 21): 2009	mg/L	200 Max.	600 Max.	336.6
13.	Sulphate as SO4-2	IS 3025(Part 24):2022	mg/L	200 Max.	400 Max.	152.3
14.	Nitrate as NO3	APHA 24th Ed., 2023,4500 NO3-B	mg/L	45 Max.	No Relaxation	0.9
15.	Phosphate as PO ₄	APHA 24th Ed., 2023,4500-P, D	mg/L	--	--	BDL(MDL:0.1)
16.	Fluoride as F	APHA 24th Ed., 2023,4500 F, D	mg/L	1.0 Max.	1.5 Max.	0.96
17.	Residual Free Chlorine	APHA 24th Ed.,2023,4500-Cl-G	mg/L	0.2 Min.	1.0 Min.	BDL(MDL:0.1)
18.	Salinity	APHA 24th Ed., 2023, 2520-B,	ppt	--	--	1.3



TEST REPORT

Report No.	URC/25/01/0040		
Name & Address of Customer	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, North of APL Road, Near Adani Power Plant, APSEZ, Siracha and Navinal Village, Mundra, Kutch, Gujarat 370421, India., Kutch Gujarat, India, 370 421.	Date of Report	03/02/2025
		Customer's Ref.	--
Sample Details	Ground Water Sample	Location	Zarpara
Sample Qty.	3 Lit	Appearance	Colourless
Sampling Date	07/01/2025	Sample Received Date	08/01/2025
Test Started Date	08/01/2025	Test Completion Date	13/01/2025
Sampled By	UERL-Lab	Sampling Method	UERL/CHM/SOP/116
UERL Lab ID. No.	25/01/0040		

TEST RESULTS:

DISCIPLINE: Chemical Testing			NAME OF GROUP: Water			
Sr. No.	Parameters	Test Method Permissible	Unit of Measurement	As Per IS 10500:2012		Results
				Desirable Limit	Permissible limit in the absence of alternate source	
NAME OF GROUP: Residues and Contaminants in Water			Sub Group: Trace Metal Elements			
19.	Mercury as Hg	APHA 24th Ed., 2023,3112-B	mg/L	0.001 Max.	No Relaxation	BDL(MDL:0.001)
20.	Arsenic as As	APHA 24th Ed., 2023,3114-C	mg/L	0.01 Max.	0.05 Max.	BDL(MDL:0.01)
21.	Lead as Pb	IS 3025 (Part 47):1994	mg/L	0.01 Max.	No Relaxation	BDL(MDL:0.01)
22.	Chromium as Cr	IS 3025 (Part 52):2003	mg/L	0.05 Max.	No Relaxation	BDL(MDL:0.05)
23.	Cadmium as Cd	IS 3025(Part 41):2023	mg/L	0.003 Max.	No Relaxation	BDL(MDL:0.003)
24.	Copper as Cu	IS 3025(Part 42):1992	mg/L	0.05 Max.	1.5 Max.	BDL(MDL:0.05)
25.	Manganese as Mn	APHA 24th Ed., 2023,3500 Mn B	mg/L	0.1 Max.	0.3 Max.	BDL(MDL:0.1)
26.	Nickel as Ni	IS 3025(Part 54):2003,	mg/L	0.02 Max.	No Relaxation	BDL(MDL:0.02)
27.	Barium as Ba	APHA 24th Ed., 2023-3500 –Ba,	mg/L	0.7 Max.	No Relaxation	N.D.
28.	Iron (as Fe)	IS 3025(Part 53):2024	mg/L	0.3 Max.	No Relaxation	BDL(MDL:0.1)
29.	Zinc (as Zn)	IS 3025(Part 49):2024	mg/L	5 Max.	15 Max.	BDL(MDL:0.05)
DISCIPLINE: Biological Testing			NAME OF GROUP: Water			
30.	Total Coliform	APHA 24th Ed.2023, 9222-B	CFU/100 ml	Absent	Absent	Absent
31.	E. coli	IS :15185:2016	CFU/100 ml	Absent	Absent	Absent
Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit, ND= Not Detected.						

***** End of Report *****

Checked By:



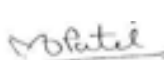
Nilesh C. Patel
(Sr. Chemist)

Checked By:



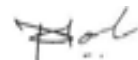
Ayushi Rathod
(Microbiologist)

Authorized By:



Meera D. Patel
(Sr. Microbiologist)

Authorized By:



Nitin B. Tandel
(Technical Manager)



TEST REPORT

Report No.	URC/25/01/0041		
Name & Address of Customer	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, North of APL Road, Near Adani Power Plant, APSEZ, Siracha and Navinal Village, Mundra, Kutch, Gujarat 370421, India., Kutch Gujarat, India, 370 421.	Date of Report	03/02/2025
		Customer's Ref.	--
Sample Details	Ground Water Sample	Location	Navinal
Sample Qty.	3 Lit	Appearance	Colourless
Sampling Date	07/01/2025	Sample Received Date	08/01/2025
Test Started Date	08/01/2025	Test Completion Date	13/01/2025
Sampled By	UERL-Lab	Sampling Method	UERL/CHM/SOP/116
UERL Lab ID. No.	25/01/0041		

TEST RESULTS:

DISCIPLINE: Chemical Testing			NAME OF GROUP: Water			
Sr. No.	Parameters	Test Method Permissible	Unit of Measureme nt	As Per IS 10500:2012		Results
				Desirable Limit	Permissible limit in the absence of alternate source	
PHYSIO-CHEMICAL PARAMETERS						
1.	pH @ 25 ° C	IS 3025(Part 11):2022	--	6.5 – 8.5	No Relaxation	8.19
2.	Conductivity	IS 3025(Part 14):2013	µS/cm	--	--	2970
3.	Total Dissolved Solids	IS 3025(Part 16):2023	mg/L	500 Max.	2000 Max.	1986
GENERAL CHEMICAL PARAMETERS						
4.	Chloride as Cl ⁻	IS 3025(Part 32):1988	mg/L	250 Max.	1000 Max.	919.7
5.	Carbonate as CaCO3	IS 3025(Part 51):2021	mg/L	--	--	BDL(MDL:4.0)
6.	Bicarbonate as CaCO3	IS 3025(Part 51):2021	mg/L	--	--	527
7.	Total Alkalinity	IS 3025(Part 23):2023,	mg/L	250 Max.	600 Max.	432
8.	Calcium as Ca	APHA 24th Ed., 2023,3500 Ca. B	mg/L	75 Max.	200 Max.	71.4
9.	Magnesium as Mg	APHA 24th Ed., 2023, 3500 Mg. B	mg/L	30 Max.	100 Max.	50.5
10.	Sodium as Na	APHA 24th Ed., 2023,3500 Na, B	mg/L	--	--	735.5
11.	Potassium as K	APHA 24th Ed., 2023,3500 K, B	mg/L	--	--	7.9
12.	Total Hardness as CaCO ₃	IS 3025(Part 21): 2009	mg/L	200 Max.	600 Max.	386.1
13.	Sulphate as SO4-2	IS 3025(Part 24):2022	mg/L	200 Max.	400 Max.	105.2
14.	Nitrate as NO3	APHA 24th Ed., 2023,4500 NO3-B	mg/L	45 Max.	No Relaxation	1.0
15.	Phosphate as PO ₄	APHA 24th Ed., 2023,4500-P, D	mg/L	--	--	BDL(MDL:0.1)
16.	Fluoride as F	APHA 24th Ed., 2023,4500 F, D	mg/L	1.0 Max.	1.5 Max.	0.8
17.	Residual Free Chlorine	APHA 24th Ed.,2023,4500-Cl-G	mg/L	0.2 Min.	1.0 Min.	BDL(MDL:0.1)
18.	Salinity	APHA 24th Ed., 2023, 2520-B,	ppt	--	--	1.66



TEST REPORT

Report No.	URC/25/01/0041		
Name & Address of Customer	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, North of APL Road, Near Adani Power Plant, APSEZ, Siracha and Navinal Village, Mundra, Kutch, Gujarat 370421, India., Kutch Gujarat, India, 370 421.	Date of Report	03/02/2025
		Customer's Ref.	--
Sample Details	Ground Water Sample	Location	Navinal
Sample Qty.	3 Lit	Appearance	Colourless
Sampling Date	07/01/2025	Sample Received Date	08/01/2025
Test Started Date	08/01/2025	Test Completion Date	13/01/2025
Sampled By	UERL-Lab	Sampling Method	UERL/CHM/SOP/116
UERL Lab ID. No.	25/01/0041		

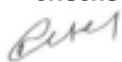
TEST RESULTS:

DISCIPLINE: Chemical Testing			NAME OF GROUP: Water			
Sr. No.	Parameters	Test Method Permissible	Unit of Measureme nt	As Per IS 10500:2012		Results
				Desirable Limit	Permissible limit in the absence of alternate source	
NAME OF GROUP: Residues and Contaminants in Water			Sub Group: Trace Metal Elements			
19.	Mercury as Hg	APHA 24th Ed., 2023,3112-B	mg/L	0.001 Max.	No Relaxation	BDL(MDL:0.001)
20.	Arsenic as As	APHA 24th Ed., 2023,3114-C	mg/L	0.01 Max.	0.05 Max.	BDL(MDL:0.01)
21.	Lead as Pb	IS 3025 (Part 47):1994	mg/L	0.01 Max.	No Relaxation	BDL(MDL:0.01)
22.	Chromium as Cr	IS 3025 (Part 52):2003	mg/L	0.05 Max.	No Relaxation	BDL(MDL:0.05)
23.	Cadmium as Cd	IS 3025(Part 41):2023	mg/L	0.003 Max.	No Relaxation	BDL(MDL:0.003)
24.	Copper as Cu	IS 3025(Part 42):1992	mg/L	0.05 Max.	1.5 Max.	BDL(MDL:0.05)
25.	Manganese as Mn	APHA 24th Ed., 2023,3500 Mn B	mg/L	0.1 Max.	0.3 Max.	BDL(MDL:0.1)
26.	Nickel as Ni	IS 3025(Part 54):2003,	mg/L	0.02 Max.	No Relaxation	BDL(MDL:0.02)
27.	Barium as Ba	APHA 24th Ed., 2023-3500 –Ba,	mg/L	0.7 Max.	No Relaxation	N.D.
28.	Iron (as Fe)	IS 3025(Part 53):2024	mg/L	0.3 Max.	No Relaxation	BDL(MDL:0.1)
29.	Zinc (as Zn)	IS 3025(Part 49):2024	mg/L	5 Max.	15 Max.	BDL(MDL:0.05)
DISCIPLINE: Biological Testing			NAME OF GROUP: Water			
30.	Total Coliform	APHA 24th Ed.2023, 9222-B	CFU/100 ml	Absent	Absent	Absent
31.	E. coli	IS :15185:2016	CFU/100 ml	Absent	Absent	Absent
Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit, ND= Not Detected.						

Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit, ND= Not Detected.

***** End of Report *****

Checked By:



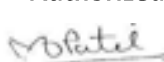
Nilesh C. Patel
(Sr. Chemist)

Checked By:



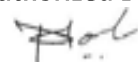
Ayushi Rathod
(Microbiologist)

Authorized By:



Meera D. Patel
(Sr. Microbiologist)

Authorized By:



Nitin B. Tandel
(Technical Manager)



TEST REPORT

Report No.	URC/25/01/0042			
Name & Address of Customer	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, North of APL Road, Near Adani Power Plant, APSEZ, Siracha and Navinal Village, Mundra, Kutch, Gujarat 370421, India., Kutch Gujarat, India, 370 421.		Date of Report	03/02/2025
			Customer's Ref.	--
Sample Details	Ground Water Sample		Location	Siracha
Sample Qty.	3 Lit		Appearance	Colourless
Sampling Date	07/01/2025		Sample Received Date	08/01/2025
Test Started Date	08/01/2025		Test Completion Date	13/01/2025
Sampled By	UERL-Lab		Sampling Method	UERL/CHM/SOP/116
UERL Lab ID. No.	25/01/0042			

TEST RESULTS:

DISCIPLINE: Chemical Testing			NAME OF GROUP: Water			
Sr. No.	Parameters	Test Method Permissible	Unit of Measureme nt	As Per IS 10500:2012		Results
				Desirable Limit	Permissible limit in the absence of alternate source	
PHYSIO-CHEMICAL PARAMETERS						
1.	pH @ 25 ° C	IS 3025(Part 11):2022	--	6.5 – 8.5	No Relaxation	7.78
2.	Conductivity	IS 3025(Part 14):2013	µS/cm	--	--	3010
3.	Total Dissolved Solids	IS 3025(Part 16):2023	mg/L	500 Max.	2000 Max.	1990
GENERAL CHEMICAL PARAMETERS						
4.	Chloride as Cl ⁻	IS 3025(Part 32):1988	mg/L	250 Max.	1000 Max.	1130.1
5.	Carbonate as CaCO3	IS 3025(Part 51):2021	mg/L	--	--	BDL(MDL:4.0)
6.	Bicarbonate as CaCO3	IS 3025(Part 51):2021	mg/L	--	--	902.6
7.	Total Alkalinity	IS 3025(Part 23):2023,	mg/L	250 Max.	600 Max.	739.8
8.	Calcium as Ca	APHA 24th Ed., 2023,3500 Ca. B	mg/L	75 Max.	200 Max.	83.3
9.	Magnesium as Mg	APHA 24th Ed., 2023, 3500 Mg. B	mg/L	30 Max.	100 Max.	52.9
10.	Sodium as Na	APHA 24th Ed., 2023,3500 Na, B	mg/L	--	--	1013.6
11.	Potassium as K	APHA 24th Ed., 2023,3500 K, B	mg/L	--	--	7.3
12.	Total Hardness as CaCO ₃	IS 3025(Part 21): 2009	mg/L	200 Max.	600 Max.	425.7
13.	Sulphate as SO4-2	IS 3025(Part 24):2022	mg/L	200 Max.	400 Max.	146.3
14.	Nitrate as NO3	APHA 24th Ed., 2023,4500 NO3-B	mg/L	45 Max.	No Relaxation	7.8
15.	Phosphate as PO ₄	APHA 24th Ed., 2023,4500-P, D	mg/L	--	--	BDL(MDL:0.1)
16.	Fluoride as F	APHA 24th Ed., 2023,4500 F, D	mg/L	1.0 Max.	1.5 Max.	0.68
17.	Residual Free Chlorine	APHA 24th Ed.,2023,4500-Cl-G	mg/L	0.2 Min.	1.0 Min.	BDL(MDL:0.1)
18.	Salinity	APHA 24th Ed., 2023, 2520-B,	ppt	--	--	2.04



TEST REPORT

Report No.	URC/25/01/0042		
Name & Address of Customer	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, North of APL Road, Near Adani Power Plant, APSEZ, Siracha and Navinal Village, Mundra, Kutch, Gujarat 370421, India., Kutch Gujarat, India, 370 421.	Date of Report	03/02/2025
		Customer's Ref.	--
Sample Details	Ground Water Sample	Location	Siracha
Sample Qty.	3 Lit	Appearance	Colourless
Sampling Date	07/01/2025	Sample Received Date	08/01/2025
Test Started Date	08/01/2025	Test Completion Date	13/01/2025
Sampled By	UERL-Lab	Sampling Method	UERL/CHM/SOP/116
UERL Lab ID. No.	25/01/0042		

TEST RESULTS:

DISCIPLINE: Chemical Testing			NAME OF GROUP: Water			
Sr. No.	Parameters	Test Method Permissible	Unit of Measureme nt	As Per IS 10500:2012		Results
				Desirable Limit	Permissible limit in the absence of alternate source	
NAME OF GROUP: Residues and Contaminants in Water			Sub Group: Trace Metal Elements			
19.	Mercury as Hg	APHA 24th Ed., 2023,3112-B	mg/L	0.001 Max.	No Relaxation	BDL(MDL:0.001)
20.	Arsenic as As	APHA 24th Ed., 2023,3114-C	mg/L	0.01 Max.	0.05 Max.	BDL(MDL:0.01)
21.	Lead as Pb	IS 3025 (Part 47):1994	mg/L	0.01 Max.	No Relaxation	BDL(MDL:0.01)
22.	Chromium as Cr	IS 3025 (Part 52):2003	mg/L	0.05 Max.	No Relaxation	BDL(MDL:0.05)
23.	Cadmium as Cd	IS 3025(Part 41):2023	mg/L	0.003 Max.	No Relaxation	BDL(MDL:0.003)
24.	Copper as Cu	IS 3025(Part 42):1992	mg/L	0.05 Max.	1.5 Max.	BDL(MDL:0.05)
25.	Manganese as Mn	APHA 24th Ed., 2023,3500 Mn B	mg/L	0.1 Max.	0.3 Max.	BDL(MDL:0.1)
26.	Nickel as Ni	IS 3025(Part 54):2003,	mg/L	0.02 Max.	No Relaxation	BDL(MDL:0.02)
27.	Barium as Ba	APHA 24th Ed., 2023-3500 –Ba,	mg/L	0.7 Max.	No Relaxation	N.D.
28.	Iron (as Fe)	IS 3025(Part 53):2024	mg/L	0.3 Max.	No Relaxation	BDL(MDL:0.1)
29.	Zinc (as Zn)	IS 3025(Part 49):2024	mg/L	5 Max.	15 Max.	BDL(MDL:0.05)
DISCIPLINE: Biological Testing			NAME OF GROUP: Water			
30.	Total Coliform	APHA 24th Ed.2023, 9222-B	CFU/100 ml	Absent	Absent	Absent
31.	E. coli	IS :15185:2016	CFU/100 ml	Absent	Absent	Absent
Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit, ND= Not Detected.						

***** End of Report *****

Checked By:



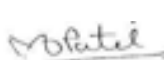
Nilesh C. Patel
(Sr. Chemist)

Checked By:



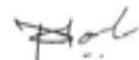
Ayushi Rathod
(Microbiologist)

Authorized By:



Meera D. Patel
(Sr. Microbiologist)

Authorized By:



Nitin B. Tandel
(Technical Manager)


TEST REPORT

Report No.	URC/25/02/L-0804	Date of Report	26/02/2025
Name & Address of Customer	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.	Customer's Ref.	--
Sample Details	Ground Water Sample	Location	Zarpara
Sample Qty.	3 Lit	Appearance	Colourless
Sampling Date	18/02/2025	Sample Received Date	19/02/2025
Test Started Date	19/02/2025	Test Completion Date	25/02/2025
Sampled By	UERL-Lab	Sampling Method	UERL/CHM/SOP/116
UERL Lab ID. No.	25/02/L-0804		

TEST RESULTS:
DISCIPLINE: Chemical Testing
NAME OF GROUP: Water

NAME OF GROUP: Water						
Sr. No.	Parameters	Test Method Permissible	Unit of Measurement	As Per IS 10500:2012		Results
				Desirable Limit	Permissible limit in the absence of alternate source	
PHYSIO-CHEMICAL PARAMETERS						
1.	pH @ 25 ° C	IS 3025(Part 11):2022	--	6.5 – 8.5	No Relaxation	8.12
2.	Conductivity	IS 3025(Part 14):2013	µS/cm	--	--	3170
3.	Total Dissolved Solids	IS 3025(Part 16):2023	mg/L	500 Max.	2000 Max.	1984
GENERAL CHEMICAL PARAMETERS						
4.	Chloride as Cl ⁻	IS 3025(Part 32):1988	mg/L	250 Max.	1000 Max.	675.1
5.	Carbonate as CaCO ₃	IS 3025(Part 51):2021	mg/L	--	--	BDL(MDL:4.0)
6.	Bicarbonate as CaCO ₃	IS 3025(Part 51):2021	mg/L	--	--	400.5
7.	Total Alkalinity	IS 3025(Part 23):2023,	mg/L	250 Max.	600 Max.	328.3
8.	Calcium as Ca	APHA 24th Ed., 2023,3500 Ca, B	mg/L	75 Max.	200 Max.	58.4
9.	Magnesium as Mg	APHA 24th Ed., 2023, 3500 Mg, B	mg/L	30 Max.	100 Max.	20.2
10.	Sodium as Na	APHA 24th Ed., 2023,3500 Na, B	mg/L	--	--	580
11.	Potassium as K	APHA 24th Ed., 2023,3500 K, B	mg/L	--	--	3
12.	Total Hardness as CaCO ₃	IS 3025(Part 21): 2009	mg/L	200 Max.	600 Max.	228.8
13.	Sulphate as SO ₄ -2	IS 3025(Part 24):2022	mg/L	200 Max.	400 Max.	144
14.	Nitrate as NO ₃	APHA 24th Ed., 2023,4500 NO ₃ -B	mg/L	45 Max.	No Relaxation	0.8
15.	Phosphate as PO ₄	APHA 24th Ed., 2023,4500-P, D	mg/L	--	--	BDL(MDL:0.1)
16.	Fluoride as F	APHA 24th Ed., 2023,4500 F, D	mg/L	1.0 Max.	1.5 Max.	0.92
17.	Residual Free Chlorine	APHA 24th Ed.,2023,4500-Cl-G	mg/L	0.2 Min.	1.0 Min.	BDL(MDL:0.1)
18.	Salinity	APHA 24th Ed., 2023, 2520-B,	ppt	--	--	1.2



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TEST REPORT

Report No.	URC/25/02/L-0804	Date of Report	26/02/2025
Name & Address of Customer	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.	Customer's Ref.	--
Sample Details	Ground Water Sample	Location	Zarpara
Sample Qty.	3 Lit	Appearance	Colourless
Sampling Date	18/02/2025	Sample Received Date	19/02/2025
Test Started Date	19/02/2025	Test Completion Date	25/02/2025
Sampled By	UERL-Lab	Sampling Method	UERL/CHM/SOP/116
UERL Lab ID. No.	25/02/L-0804		

TEST RESULTS:

DISCIPLINE: Chemical Testing			NAME OF GROUP: Water			
Sr. No.	Parameters	Test Method Permissible	Unit of Measurement	As Per IS 10500:2012		Results
				Desirable Limit	Permissible limit in the absence of alternate source	
NAME OF GROUP: Residues and Contaminants in Water			Sub Group: Trace Metal Elements			
19.	Mercury as Hg	APHA 24th Ed., 2023,3112-B	mg/L	0.001 Max.	No Relaxation	BDL(MDL:0.001)
20.	Arsenic as As	APHA 24th Ed., 2023,3114-C	mg/L	0.01 Max.	0.05 Max.	BDL(MDL:0.01)
21.	Lead as Pb	IS 3025 (Part 47):1994	mg/L	0.01 Max.	No Relaxation	BDL(MDL:0.01)
22.	Chromium as Cr	IS 3025 (Part 52):2003	mg/L	0.05 Max.	No Relaxation	BDL(MDL:0.05)
23.	Cadmium as Cd	IS 3025(Part 41):2023	mg/L	0.003 Max.	No Relaxation	BDL(MDL:0.003)
24.	Copper as Cu	IS 3025(Part 42):1992	mg/L	0.05 Max.	1.5 Max.	BDL(MDL:0.05)
25.	Manganese as Mn	APHA 24th Ed., 2023,3500 Mn B	mg/L	0.1 Max.	0.3 Max.	BDL(MDL:0.1)
26.	Nickel as Ni	IS 3025(Part 54):2003,	mg/L	0.02 Max.	No Relaxation	BDL(MDL:0.02)
27.	Barium as Ba	APHA 24th Ed., 2023-3500 –Ba,	mg/L	0.7 Max.	No Relaxation	N.D.
28.	Iron (as Fe)	IS 3025(Part 53):2024	mg/L	0.3 Max.	No Relaxation	BDL(MDL:0.1)
29.	Zinc (as Zn)	IS 3025(Part 49):2024	mg/L	5 Max.	15 Max.	BDL(MDL:0.05)
DISCIPLINE: Biological Testing			NAME OF GROUP: Water			
30.	Total Coliform	APHA 24th Ed.2023, 9222-B	CFU/100 ml	Absent	Absent	Absent
31.	E. coli	IS :15185:2016	CFU/100 ml	Absent	Absent	Absent
Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit, ND= Not Detected.						

Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit, ND= Not Detected.

***** End of Report *****

Checked By:

Nilesh C. Patel
(Sr. Chemist)

Checked By:

Ayushi Rathod
(Microbiologist)

Authorized By:

Meera D. Patel
(Sr. Microbiologist)

Authorized By:

Nitin B. Tandel
(Technical Manager)



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TEST REPORT

Report No.	URC/25/02/L-0806	Date of Report	26/02/2025
Name & Address of Customer	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Palki 6/Palki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.	Customer's Ref.	--
Sample Details	Ground Water Sample	Location	Navinal
Sample Qty.	3 Lit	Appearance	Colourless
Sampling Date	18/02/2025	Sample Received Date	19/02/2025
Test Started Date	19/02/2025	Test Completion Date	25/02/2025
Sampled By	UERL-Lab	Sampling Method	UERL/CHM/SOP/116
UERL Lab ID. No.	25/02/L-0806		

TEST RESULTS:

DISCIPLINE: Chemical Testing			NAME OF GROUP: Water			
Sr. No.	Parameters	Test Method Permissible	Unit of Measurement	As Per IS 10500:2012		Results
				Desirable Limit	Permissible limit in the absence of alternate source	
PHYSIO-CHEMICAL PARAMETERS						
1.	pH @ 25 ° C	IS 3025(Part 11):2022	--	6.5 ~ 8.5	No Relaxation	8.11
2.	Conductivity	IS 3025(Part 14):2013	µS/cm	--	--	3010
3.	Total Dissolved Solids	IS 3025(Part 16):2023	mg/L	500 Max.	2000 Max.	1876
GENERAL CHEMICAL PARAMETERS						
4.	Chloride as Cl ⁻	IS 3025(Part 32):1988	mg/L	250 Max.	1000 Max.	602.2
5.	Carbonate as CaCO ₃	IS 3025(Part 51):2021	mg/L	--	--	BDL(MDL:4.0)
6.	Bicarbonate as CaCO ₃	IS 3025(Part 51):2021	mg/L	--	--	462.1
7.	Total Alkalinity	IS 3025(Part 23):2023,	mg/L	250 Max.	600 Max.	378.3
8.	Calcium as Ca	APHA 24th Ed., 2023,3500 Ca. B	mg/L	75 Max.	200 Max.	62.5
9.	Magnesium as Mg	APHA 24th Ed., 2023, 3500 Mg. B	mg/L	30 Max.	100 Max.	22.7
10.	Sodium as Na	APHA 24th Ed., 2023,3500 Na, B	mg/L	--	--	536.4
11.	Potassium as K	APHA 24th Ed., 2023,3500 K, B	mg/L	--	--	6.5
12.	Total Hardness as CaCO ₃	IS 3025(Part 21): 2009	mg/L	200 Max.	600 Max.	249.6
13.	Sulphate as SO ₄ -2	IS 3025(Part 24):2022	mg/L	200 Max.	400 Max.	128
14.	Nitrate as NO ₃	APHA 24th Ed., 2023,4500 NO ₃ -B	mg/L	45 Max.	No Relaxation	0.9
15.	Phosphate as PO ₄	APHA 24th Ed., 2023,4500-P, D	mg/L	--	--	BDL(MDL:0.1)
16.	Fluoride as F	APHA 24th Ed., 2023,4500 F, D	mg/L	1.0 Max.	1.5 Max.	0.7
17.	Residual Free Chlorine	APHA 24th Ed.,2023,4500-Cl-G	mg/L	0.2 Min.	1.0 Min.	BDL(MDL:0.1)
18.	Salinity	APHA 24th Ed., 2023, 2520-B,	ppt	--	--	1.1



TEST REPORT

Report No.	URC/25/02/L-0806		
Name & Address of Customer	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.	Date of Report	26/02/2025
Sample Details	Ground Water Sample	Customer's Ref.	--
Sample Qty.	3 Lit	Location	Navinal
Sampling Date	18/02/2025	Appearance	Colourless
Test Started Date	19/02/2025	Sample Received Date	19/02/2025
Sampled By	UERL-Lab	Test Completion Date	25/02/2025
UERL Lab ID. No.	25/02/L-0806	Sampling Method	UERL/CHM/SOP/116

TEST RESULTS:

DISCIPLINE: Chemical Testing			NAME OF GROUP: Water			
Sr. No.	Parameters	Test Method Permissible	Unit of Measurement	As Per IS 10500:2012		Results
				Desirable Limit	Permissible limit in the absence of alternate source	
NAME OF GROUP: Residues and Contaminants in Water			Sub Group: Trace Metal Elements			
19.	Mercury as Hg	APHA 24th Ed., 2023,3112-B	mg/L	0.001 Max.	No Relaxation	BDL(MDL:0.001)
20.	Arsenic as As	APHA 24th Ed., 2023,3114-C	mg/L	0.01 Max.	0.05 Max.	BDL(MDL:0.01)
21.	Lead as Pb	IS 3025 (Part 47):1994	mg/L	0.01 Max.	No Relaxation	BDL(MDL:0.01)
22.	Chromium as Cr	IS 3025 (Part 52):2003	mg/L	0.05 Max.	No Relaxation	BDL(MDL:0.05)
23.	Cadmium as Cd	IS 3025(Part 41):2023	mg/L	0.003 Max.	No Relaxation	BDL(MDL:0.003)
24.	Copper as Cu	IS 3025(Part 42):1992	mg/L	0.05 Max.	1.5 Max.	BDL(MDL:0.05)
25.	Manganese as Mn	APHA 24th Ed., 2023,3500 Mn B	mg/L	0.1 Max.	0.3 Max.	BDL(MDL:0.1)
26.	Nickel as Ni	IS 3025(Part 54):2003,	mg/L	0.02 Max.	No Relaxation	BDL(MDL:0.02)
27.	Barium as Ba	APHA 24th Ed., 2023-3500 –Ba,	mg/L	0.7 Max.	No Relaxation	N.D.
28.	Iron (as Fe)	IS 3025(Part 53):2024	mg/L	0.3 Max.	No Relaxation	BDL(MDL:0.1)
29.	Zinc (as Zn)	IS 3025(Part 49):2024	mg/L	5 Max.	15 Max.	BDL(MDL:0.05)
DISCIPLINE: Biological Testing			NAME OF GROUP: Water			
30.	Total Coliform	APHA 24th Ed.2023, 9222-B	CFU/100 ml	Absent	Absent	Absent
31.	E. coli	IS :15185:2016	CFU/100 ml	Absent	Absent	Absent
Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit, ND= Not Detected.						

Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit, ND= Not Detected.

***** End of Report *****

Checked By:

Nilesh C. Patel
(Sr. Chemist)

Checked By:

Ayushi Rathod
(Microbiologist)

Authorized By:

Meera D. Patel
(Sr. Microbiologist)

Authorized By:

Nitin B. Tandel
(Technical Manager)



TEST REPORT

Report No.	URC/25/02/L-0807	Date of Report	26/02/2025
Name & Address of Customer	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.	Customer's Ref.	--
Sample Details	Ground Water Sample	Location	Shiracha
Sample Qty.	3 Lit	Appearance	Colourless
Sampling Date	18/02/2025	Sample Received Date	19/02/2025
Test Started Date	19/02/2025	Test Completion Date	25/02/2025
Sampled By	UERL-Lab	Sampling Method	UERL/CHM/SOP/116
UERL Lab ID. No.	25/02/L-0807		

TEST RESULTS:

DISCIPLINE: Chemical Testing

NAME OF GROUP: Water

Sr. No.	Parameters	Test Method Permissible	Unit of Measurement	As Per IS 10500:2012		Results
				Desirable Limit	Permissible limit in the absence of alternate source	

PHYSIO-CHEMICAL PARAMETERS

1.	pH @ 25 °C	IS 3025(Part 11):2022	--	6.5 - 8.5	No Relaxation	7.84
2.	Conductivity	IS 3025(Part 14):2013	µS/cm	--	--	3030
3.	Total Dissolved Solids	IS 3025(Part 16):2023	mg/L	500 Max.	2000 Max.	1910

GENERAL CHEMICAL PARAMETERS

4.	Chloride as Cl ⁻	IS 3025(Part 32):1988	mg/L	250 Max.	1000 Max.	529.4
5.	Carbonate as CaCO ₃	IS 3025(Part 51):2021	mg/L	--	--	BDL(MDL:4.0)
6.	Bicarbonate as CaCO ₃	IS 3025(Part 51):2021	mg/L	--	--	585.3
7.	Total Alkalinity	IS 3025(Part 23):2023,	mg/L	250 Max.	600 Max.	479.8
8.	Calcium as Ca	APHA 24th Ed., 2023,3500 Ca. B	mg/L	75 Max.	200 Max.	70.9
9.	Magnesium as Mg	APHA 24th Ed., 2023, 3500 Mg. B	mg/L	30 Max.	100 Max.	17.7
10.	Sodium as Na	APHA 24th Ed., 2023,3500 Na, B	mg/L	--	--	520
11.	Potassium as K	APHA 24th Ed., 2023,3500 K, B	mg/L	--	--	5.6
12.	Total Hardness as CaCO ₃	IS 3025(Part 21): 2009	mg/L	200 Max.	600 Max.	249.6
13.	Sulphate as SO ₄ -2	IS 3025(Part 24):2022	mg/L	200 Max.	400 Max.	124
14.	Nitrate as NO ₃	APHA 24th Ed., 2023,4500 NO ₃ -B	mg/L	45 Max.	No Relaxation	6.9
15.	Phosphate as PO ₄	APHA 24th Ed., 2023,4500-P, D	mg/L	--	--	BDL(MDL:0.1)
16.	Fluoride as F	APHA 24th Ed., 2023,4500 F, D	mg/L	1.0 Max.	1.5 Max.	0.7
17.	Residual Free Chlorine	APHA 24th Ed.,2023,4500-Cl-G	mg/L	0.2 Min.	1.0 Min.	BDL(MDL:0.1)
18.	Salinity	APHA 24th Ed., 2023, 2520-B,	ppt	--	--	1.1



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TEST REPORT

Report No.	URC/25/02/L-0807		
Name & Address of Customer	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.	Date of Report	26/02/2025
Sample Details	Ground Water Sample	Customer's Ref.	--
Sample Qty.	3 Lit	Location	Shiracha
Sampling Date	18/02/2025	Appearance	Colourless
Test Started Date	19/02/2025	Sample Received Date	19/02/2025
Sampled By	UERL-Lab	Test Completion Date	25/02/2025
UERL Lab ID. No.	25/02/L-0807	Sampling Method	UERL/CHM/SOP/116

TEST RESULTS:

DISCIPLINE: Chemical Testing			NAME OF GROUP: Water			
Sr. No.	Parameters	Test Method Permissible	Unit of Measurement	As Per IS 10500:2012		Results
				Desirable Limit	Permissible limit in the absence of alternate source	
NAME OF GROUP: Residues and Contaminants in Water			Sub Group: Trace Metal Elements			
19.	Mercury as Hg	APHA 24th Ed., 2023,3112-B	mg/L	0.001 Max.	No Relaxation	BDL(MDL:0.001)
20.	Arsenic as As	APHA 24th Ed., 2023,3114-C	mg/L	0.01 Max.	0.05 Max.	BDL(MDL:0.01)
21.	Lead as Pb	IS 3025 (Part 47):1994	mg/L	0.01 Max.	No Relaxation	BDL(MDL:0.01)
22.	Chromium as Cr	IS 3025 (Part 52):2003	mg/L	0.05 Max.	No Relaxation	BDL(MDL:0.05)
23.	Cadmium as Cd	IS 3025(Part 41):2023	mg/L	0.003 Max.	No Relaxation	BDL(MDL:0.003)
24.	Copper as Cu	IS 3025(Part 42):1992	mg/L	0.05 Max.	1.5 Max.	BDL(MDL:0.05)
25.	Manganese as Mn	APHA 24th Ed., 2023,3500 Mn B	mg/L	0.1 Max.	0.3 Max.	BDL(MDL:0.1)
26.	Nickel as Ni	IS 3025(Part 54):2003,	mg/L	0.02 Max.	No Relaxation	BDL(MDL:0.02)
27.	Barium as Ba	APHA 24th Ed., 2023-3500 –Ba,	mg/L	0.7 Max.	No Relaxation	N.D.
28.	Iron (as Fe)	IS 3025(Part 53):2024	mg/L	0.3 Max.	No Relaxation	BDL(MDL:0.1)
29.	Zinc (as Zn)	IS 3025(Part 49):2024	mg/L	5 Max.	15 Max.	BDL(MDL:0.05)
DISCIPLINE: Biological Testing			NAME OF GROUP: Water			
30.	Total Colliform	APHA 24th Ed.2023, 9222-B	CFU/100 ml	Absent	Absent	Absent
31.	E. coli	IS :15185:2016	CFU/100 ml	Absent	Absent	Absent
Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit, ND= Not Detected.						

Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit, ND= Not Detected.

***** End of Report *****

Checked By:

Nilesh C. Patel
(Sr. Chemist)

Checked By:

Ayushi Rathod
(Microbiologist)

Authorized By:

Meera D. Patel
(Sr. Microbiologist)

Authorized By:

Nitin B. Tandel
(Technical Manager)


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TEST REPORT

Report No.	URC/25/03/L-0740		
Name & Address of Customer	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.	Date of Report	25/03/2025
		Customer's Ref.	--
Sample Details	Ground Water Sample	Location	Zarpara
Sample Qty.	3 Lit	Appearance	Colourless
Sampling Date	18/03/2025	Sample Received Date	19/03/2025
Test Started Date	19/03/2025	Test Completion Date	24/03/2025
Sampled By	UERL-Lab	Sampling Method	UERL/CHM/SOP/116
UERL Lab ID. No.	25/03/L-0740		

TEST RESULTS:

DISCIPLINE: Chemical Testing			NAME OF GROUP: Water			
Sr. No.	Parameters	Test Method Permissible	Unit of Measurement	As Per IS 10500:2012		Results
				Desirable Limit	Permissible limit in the absence of alternate source	
PHYSIO-CHEMICAL PARAMETERS						
1.	pH @ 25 ° C	IS 3025(Part 11):2022	--	6.5 – 8.5	No Relaxation	8.24
2.	Conductivity	IS 3025(Part 14):2013	µS/cm	--	--	3100
3.	Total Dissolved Solids	IS 3025(Part 16):2023	mg/L	500 Max.	2000 Max.	1998
GENERAL CHEMICAL PARAMETERS						
4.	Chloride as Cl ⁻	IS 3025(Part 32):1988	mg/L	250 Max.	1000 Max.	684.2
5.	Carbonate as CaCO ₃	IS 3025(Part 51):2021	mg/L	--	--	BDL(MDL:4.0)
6.	Bicarbonate as CaCO ₃	IS 3025(Part 51):2021	mg/L	--	--	508.9
7.	Total Alkalinity	IS 3025(Part 23):2023,	mg/L	250 Max.	600 Max.	417.1
8.	Calcium as Ca	APHA 24th Ed., 2023,3500 Ca. B	mg/L	75 Max.	200 Max.	49.5
9.	Magnesium as Mg	APHA 24th Ed., 2023, 3500 Mg. B	mg/L	30 Max.	100 Max.	27.5
10.	Sodium as Na	APHA 24th Ed., 2023,3500 Na, B	mg/L	--	--	610
11.	Potassium as K	APHA 24th Ed., 2023,3500 K, B	mg/L	--	--	3.8
12.	Total Hardness as CaCO ₃	IS 3025(Part 21): 2009	mg/L	200 Max.	600 Max.	236.9
13.	Sulphate as SO ₄ -2	IS 3025(Part 24):2022	mg/L	200 Max.	400 Max.	162
14.	Nitrate as NO ₃	APHA 24th Ed., 2023,4500 NO ₃ -B	mg/L	45 Max.	No Relaxation	0.9
15.	Phosphate as PO ₄	APHA 24th Ed., 2023,4500-P, D	mg/L	--	--	BDL(MDL:0.1)
16.	Fluoride as F	APHA 24th Ed., 2023,4500 F, D	mg/L	1.0 Max.	1.5 Max.	0.96
17.	Residual Free Chlorine	APHA 24th Ed.,2023,4500-Cl-G	mg/L	0.2 Min.	1.0 Min.	BDL(MDL:0.1)
18.	Salinity	APHA 24th Ed., 2023, 2520-B,	ppt	--	--	1.2



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TEST REPORT

Report No.	URC/25/03/L-0740		
Name & Address of Customer	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.	Date of Report	25/03/2025
		Customer's Ref.	--
Sample Details	Ground Water Sample	Location	Zarpara
Sample Qty.	3 Lit	Appearance	Colourless
Sampling Date	18/03/2025	Sample Received Date	19/03/2025
Test Started Date	19/03/2025	Test Completion Date	24/03/2025
Sampled By	UERL-Lab	Sampling Method	UERL/CHM/SOP/116
UERL Lab ID. No.	25/03/L-0740		

TEST RESULTS:

DISCIPLINE: Chemical Testing			NAME OF GROUP: Water			
Sr. No.	Parameters	Test Method Permissible	Unit of Measurement	As Per IS 10500:2012		Results
				Desirable Limit	Permissible limit in the absence of alternate source	
NAME OF GROUP: Residues and Contaminants in Water			Sub Group: Trace Metal Elements			
19.	Mercury as Hg	APHA 24th Ed., 2023,3112-B	mg/L	0.001 Max.	No Relaxation	BDL(MDL:0.001)
20.	Arsenic as As	APHA 24th Ed., 2023,3114-C	mg/L	0.01 Max.	0.05 Max.	BDL(MDL:0.01)
21.	Lead as Pb	IS 3025 (Part 47):1994	mg/L	0.01 Max.	No Relaxation	BDL(MDL:0.01)
22.	Chromium as Cr	IS 3025 (Part 52):2003	mg/L	0.05 Max.	No Relaxation	BDL(MDL:0.05)
23.	Cadmium as Cd	IS 3025(Part 41):2023	mg/L	0.003 Max.	No Relaxation	BDL(MDL:0.003)
24.	Copper as Cu	IS 3025(Part 42):1992	mg/L	0.05 Max.	1.5 Max.	BDL(MDL:0.05)
25.	Manganese as Mn	APHA 24th Ed., 2023,3500 Mn B	mg/L	0.1 Max.	0.3 Max.	BDL(MDL:0.1)
26.	Nickel as Ni	IS 3025(Part 54):2003,	mg/L	0.02 Max.	No Relaxation	BDL(MDL:0.02)
27.	Barium as Ba	APHA 24th Ed., 2023-3500 –Ba,	mg/L	0.7 Max.	No Relaxation	N.D.
28.	Iron (as Fe)	IS 3025(Part 53):2024	mg/L	0.3 Max.	No Relaxation	BDL(MDL:0.1)
29.	Zinc (as Zn)	IS 3025(Part 49):2024	mg/L	5 Max.	15 Max.	BDL(MDL:0.05)
DISCIPLINE: Biological Testing			NAME OF GROUP: Water			
30.	Total Coliform	APHA 24th Ed.2023, 9222-B	CFU/100 ml	Absent	Absent	Absent
31.	E. coli	IS :15185:2016	CFU/100 ml	Absent	Absent	Absent
Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit, ND= Not Detected.						

Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit, ND= Not Detected.

***** End of Report *****

Checked By:

Nilesh C. Patel
(Sr. Chemist)

Checked By:

Ayushi Rathod
(Microbiologist)

Authorized By:

Meera D. Patel
(Sr. Microbiologist)

Authorized By:

Nitin B. Tandel
(Technical Manager)


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TEST REPORT

Report No.	URC/25/03/L-0742		
Name & Address of Customer	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.	Date of Report	25/03/2025
Sample Details	Ground Water Sample	Customer's Ref.	--
Sample Qty.	3 Lit	Location	Navinal
Sampling Date	18/03/2025	Appearance	Colourless
Test Started Date	19/03/2025	Sample Received Date	19/03/2025
Sampled By	UERL-Lab	Test Completion Date	24/03/2025
UERL Lab ID. No.	25/03/L-0742	Sampling Method	UERL/CHM/SOP/116

TEST RESULTS:

DISCIPLINE: Chemical Testing			NAME OF GROUP: Water			
Sr. No.	Parameters	Test Method Permissible	Unit of Measurement	As Per IS 10500:2012		Results
				Desirable Limit	Permissible limit in the absence of alternate source	
PHYSIO-CHEMICAL PARAMETERS						
1.	pH @ 25 ° C	IS 3025(Part 11):2022	--	6.5 – 8.5	No Relaxation	8.17
2.	Conductivity	IS 3025(Part 14):2013	µS/cm	--	--	2950
3.	Total Dissolved Solids	IS 3025(Part 16):2023	mg/L	500 Max.	2000 Max.	1910
GENERAL CHEMICAL PARAMETERS						
4.	Chloride as Cl ⁻	IS 3025(Part 32):1988	mg/L	250 Max.	1000 Max.	634.8
5.	Carbonate as CaCO ₃	IS 3025(Part 51):2021	mg/L	--	--	BDL(MDL:4.0)
6.	Bicarbonate as CaCO ₃	IS 3025(Part 51):2021	mg/L	--	--	443.8
7.	Total Alkalinity	IS 3025(Part 23):2023,	mg/L	250 Max.	600 Max.	363.8
8.	Calcium as Ca	APHA 24th Ed., 2023,3500 Ca. B	mg/L	75 Max.	200 Max.	61.9
9.	Magnesium as Mg	APHA 24th Ed., 2023, 3500 Mg. B	mg/L	30 Max.	100 Max.	32.5
10.	Sodium as Na	APHA 24th Ed., 2023,3500 Na, B	mg/L	--	--	560
11.	Potassium as K	APHA 24th Ed., 2023,3500 K, B	mg/L	--	--	5.4
12.	Total Hardness as CaCO ₃	IS 3025(Part 21): 2009	mg/L	200 Max.	600 Max.	288.4
13.	Sulphate as SO ₄ -2	IS 3025(Part 24):2022	mg/L	200 Max.	400 Max.	142
14.	Nitrate as NO ₃	APHA 24th Ed., 2023,4500 NO ₃ -B	mg/L	45 Max.	No Relaxation	0.8
15.	Phosphate as PO ₄	APHA 24th Ed., 2023,4500-P, D	mg/L	--	--	BDL(MDL:0.1)
16.	Fluoride as F	APHA 24th Ed., 2023,4500 F, D	mg/L	1.0 Max.	1.5 Max.	0.92
17.	Residual Free Chlorine	APHA 24th Ed.,2023,4500-Cl-G	mg/L	0.2 Min.	1.0 Min.	BDL(MDL:0.1)
18.	Salinity	APHA 24th Ed., 2023, 2520-B,	ppt	--	--	1.1



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TEST REPORT

Report No.	URC/25/03/L-0742		
Name & Address of Customer	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.	Date of Report	25/03/2025
Sample Details	Ground Water Sample	Customer's Ref.	--
Sample Qty.	3 Lit	Location	Navinal
Sampling Date	18/03/2025	Appearance	Colourless
Test Started Date	19/03/2025	Sample Received Date	19/03/2025
Sampled By	UERL-Lab	Test Completion Date	24/03/2025
UERL Lab ID. No.	25/03/L-0742	Sampling Method	UERL/CHM/SOP/116

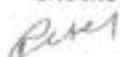
TEST RESULTS:

DISCIPLINE: Chemical Testing			NAME OF GROUP: Water			
Sr. No.	Parameters	Test Method Permissible	Unit of Measurement	As Per IS 10500:2012		Results
				Desirable Limit	Permissible limit in the absence of alternate source	
NAME OF GROUP: Residues and Contaminants in Water			Sub Group: Trace Metal Elements			
19.	Mercury as Hg	APHA 24th Ed., 2023,3112-B	mg/L	0.001 Max.	No Relaxation	BDL(MDL:0.001)
20.	Arsenic as As	APHA 24th Ed., 2023,3114-C	mg/L	0.01 Max.	0.05 Max.	BDL(MDL:0.01)
21.	Lead as Pb	IS 3025 (Part 47):1994	mg/L	0.01 Max.	No Relaxation	BDL(MDL:0.01)
22.	Chromium as Cr	IS 3025 (Part 52):2003	mg/L	0.05 Max.	No Relaxation	BDL(MDL:0.05)
23.	Cadmium as Cd	IS 3025(Part 41):2023	mg/L	0.003 Max.	No Relaxation	BDL(MDL:0.003)
24.	Copper as Cu	IS 3025(Part 42):1992	mg/L	0.05 Max.	1.5 Max.	BDL(MDL:0.05)
25.	Manganese as Mn	APHA 24th Ed., 2023,3500 Mn B	mg/L	0.1 Max.	0.3 Max.	BDL(MDL:0.1)
26.	Nickel as Ni	IS 3025(Part 54):2003,	mg/L	0.02 Max.	No Relaxation	BDL(MDL:0.02)
27.	Barium as Ba	APHA 24th Ed., 2023-3500 -Ba,	mg/L	0.7 Max.	No Relaxation	N.D.
28.	Iron (as Fe)	IS 3025(Part 53):2024	mg/L	0.3 Max.	No Relaxation	BDL(MDL:0.1)
29.	Zinc (as Zn)	IS 3025(Part 49):2024	mg/L	5 Max.	15 Max.	BDL(MDL:0.05)
DISCIPLINE: Biological Testing			NAME OF GROUP: Water			
30.	Total Coliform	APHA 24th Ed.2023, 9222-B	CFU/100 ml	Absent	Absent	Absent
31.	E. coli	IS :15185:2016	CFU/100 ml	Absent	Absent	Absent
Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit, ND= Not Detected.						

Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit, ND= Not Detected.

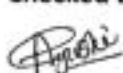
***** End of Report *****

Checked By:



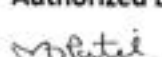
Nilesh C. Patel
(Sr. Chemist)

Checked By:



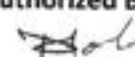
Ayushi Rathod
(Microbiologist)

Authorized By:



Meera D. Patel
(Sr. Microbiologist)

Authorized By:



Nitin B. Tandel
(Technical Manager)


TEST REPORT

Report No.	URC/25/03/L-0744		
Name & Address of Customer	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.	Date of Report	25/03/2025
Sample Details	Ground Water Sample	Customer's Ref.	--
Sample Qty.	3 Lit	Location	Shiracha
Sampling Date	18/03/2025	Appearance	Colourless
Test Started Date	19/03/2025	Sample Received Date	19/03/2025
Sampled By	UERL-Lab	Test Completion Date	24/03/2025
UERL Lab ID. No.	25/03/L-0744	Sampling Method	UERL/CHM/SOP/116

TEST RESULTS:

DISCIPLINE: Chemical Testing			NAME OF GROUP: Water			
Sr. No.	Parameters	Test Method Permissible	Unit of Measurement	As Per IS 10500:2012		Results
				Desirable Limit	Permissible limit in the absence of alternate source	
PHYSIO-CHEMICAL PARAMETERS						
1.	pH @ 25 ° C	IS 3025(Part 11):2022	--	6.5 – 8.5	No Relaxation	8.02
2.	Conductivity	IS 3025(Part 14):2013	µS/cm	--	--	3000
3.	Total Dissolved Solids	IS 3025(Part 16):2023	mg/L	500 Max.	2000 Max.	1964
GENERAL CHEMICAL PARAMETERS						
4.	Chloride as Cl ⁻	IS 3025(Part 32):1988	mg/L	250 Max.	1000 Max.	589.8
5.	Carbonate as CaCO ₃	IS 3025(Part 51):2021	mg/L	--	--	BDL(MDL:4.0)
6.	Bicarbonate as CaCO ₃	IS 3025(Part 51):2021	mg/L	--	--	562.1
7.	Total Alkalinity	IS 3025(Part 23):2023,	mg/L	250 Max.	600 Max.	460.8
8.	Calcium as Ca	APHA 24th Ed., 2023,3500 Ca, B	mg/L	75 Max.	200 Max.	57.8
9.	Magnesium as Mg	APHA 24th Ed., 2023, 3500 Mg, B	mg/L	30 Max.	100 Max.	32.5
10.	Sodium as Na	APHA 24th Ed., 2023,3500 Na, B	mg/L	--	--	540
11.	Potassium as K	APHA 24th Ed., 2023,3500 K, B	mg/L	--	--	3.8
12.	Total Hardness as CaCO ₃	IS 3025(Part 21): 2009	mg/L	200 Max.	600 Max.	278.1
13.	Sulphate as SO ₄ -2	IS 3025(Part 24):2022	mg/L	200 Max.	400 Max.	144
14.	Nitrate as NO ₃	APHA 24th Ed., 2023,4500 NO ₃ -B	mg/L	45 Max.	No Relaxation	4.3
15.	Phosphate as PO ₄	APHA 24th Ed., 2023,4500-P, D	mg/L	--	--	BDL(MDL:0.1)
16.	Fluoride as F	APHA 24th Ed., 2023,4500 F, D	mg/L	1.0 Max.	1.5 Max.	0.8
17.	Residual Free Chlorine	APHA 24th Ed.,2023,4500-Cl-G	mg/L	0.2 Min.	1.0 Min.	BDL(MDL:0.1)
18.	Salinity	APHA 24th Ed., 2023, 2520-B,	ppt	--	--	1.1


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TEST REPORT

Report No.	URC/25/03/L-0744		
Name & Address of Customer	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.	Date of Report	25/03/2025
Sample Details	Ground Water Sample	Customer's Ref.	--
Sample Qty.	3 Lit	Location	Shiracha
Sampling Date	18/03/2025	Appearance	Colourless
Test Started Date	19/03/2025	Sample Received Date	19/03/2025
Sampled By	UERL-Lab	Test Completion Date	24/03/2025
UERL Lab ID. No.	25/03/L-0744	Sampling Method	UERL/CHM/SOP/116

TEST RESULTS:

DISCIPLINE: Chemical Testing			NAME OF GROUP: Water			
Sr. No.	Parameters	Test Method Permissible	Unit of Measurement	As Per IS 10500:2012		Results
				Desirable Limit	Permissible limit in the absence of alternate source	
NAME OF GROUP: Residues and Contaminants in Water			Sub Group: Trace Metal Elements			
19.	Mercury as Hg	APHA 24th Ed., 2023,3112-B	mg/L	0.001 Max.	No Relaxation	BDL(MDL:0.001)
20.	Arsenic as As	APHA 24th Ed., 2023,3114-C	mg/L	0.01 Max.	0.05 Max.	BDL(MDL:0.01)
21.	Lead as Pb	IS 3025 (Part 47):1994	mg/L	0.01 Max.	No Relaxation	BDL(MDL:0.01)
22.	Chromium as Cr	IS 3025 (Part 52):2003	mg/L	0.05 Max.	No Relaxation	BDL(MDL:0.05)
23.	Cadmium as Cd	IS 3025(Part 41):2023	mg/L	0.003 Max.	No Relaxation	BDL(MDL:0.003)
24.	Copper as Cu	IS 3025(Part 42):1992	mg/L	0.05 Max.	1.5 Max.	BDL(MDL:0.05)
25.	Manganese as Mn	APHA 24th Ed., 2023,3500 Mn B	mg/L	0.1 Max.	0.3 Max.	BDL(MDL:0.1)
26.	Nickel as Ni	IS 3025(Part 54):2003,	mg/L	0.02 Max.	No Relaxation	BDL(MDL:0.02)
27.	Barium as Ba	APHA 24th Ed., 2023-3500 –Ba,	mg/L	0.7 Max.	No Relaxation	N.D.
28.	Iron (as Fe)	IS 3025(Part 53):2024	mg/L	0.3 Max.	No Relaxation	BDL(MDL:0.1)
29.	Zinc (as Zn)	IS 3025(Part 49):2024	mg/L	5 Max.	15 Max.	BDL(MDL:0.05)
DISCIPLINE: Biological Testing			NAME OF GROUP: Water			
30.	Total Coliform	APHA 24th Ed.2023, 9222-B	CFU/100 ml	Absent	Absent	Absent
31.	E. coli	IS :15185-2016	CFU/100 ml	Absent	Absent	Absent
Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit, ND= Not Detected.						

Note: BDL= Below Detection Limit, MDL = Minimum Detection Limit, ND= Not Detected.

***** End of Report *****

Checked By:

 Nilesh C. Patel
 (Sr. Chemist)

Checked By:

 Ayushi Rathod
 (Microbiologist)

Authorized By:

 Meera D. Patel
 (Sr. Microbiologist)

Authorized By:

 Nitin B. Tandel
 (Technical Manager)

ANNEXURE-3

**AMBIENT NOISE MONITORING
REPORTS
(October 2024 – March 2025)**

Reporting Date: 05/11/2024

AMBIENT NOISE MONITORING REPORT

Company Name			Kutch Copper Limited		
On Site 24 Hourly Monitoring Results					
Sample Type				Ambient Noise Monitoring	
Location				Project Site	
Sampling Date				01.10.2024	
Sampling Instrument		Sound Level Meter		Ldn	69.0
Lmax (Day)		74.7		Lmax (Night)	65.7
Lmin (Day)		62.2		Lmin (Night)	57.2
Leq (Day)		70.4		Leq (Night)	62.0
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
1.	06:00 - 07:00	62.2	dB (A) Leq	IS 9989	75
2.	07:00 - 08:00	63.6	dB (A) Leq	IS 9989	75
3.	08:00 - 09:00	66.3	dB (A) Leq	IS 9989	75
4.	09:00 - 10:00	70.0	dB (A) Leq	IS 9989	75
5.	10:00 - 11:00	72.8	dB (A) Leq	IS 9989	75
6.	11:00 - 12:00	73.3	dB (A) Leq	IS 9989	75
7.	12:00 - 13:00	68.5	dB (A) Leq	IS 9989	75
8.	13:00 - 14:00	67.1	dB (A) Leq	IS 9989	75
9.	14:00 - 15:00	65.7	dB (A) Leq	IS 9989	75
10.	15:00 - 16:00	71.5	dB (A) Leq	IS 9989	75
11.	16:00 - 17:00	74.7	dB (A) Leq	IS 9989	75
12.	17:00 - 18:00	73.0	dB (A) Leq	IS 9989	75



Reporting Date: 05/11/2024

AMBIENT NOISE MONITORING REPORT

Company Name		Kutch Copper Limited			
On Site 24 Hourly Monitoring Results					
Sample Type			Ambient Noise Monitoring		
Location			Project Site		
Sampling Date			01.10.2024		
Sampling Instrument		Sound Level Meter		Ldn	69.0
Lmax (Day)		74.7		Lmax (Night)	65.7
Lmin (Day)		62.2		Lmin (Night)	57.2
Leq (Day)		70.4		Leq (Night)	62.0
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
13.	18:00 - 19:00	71.3	dB (A) Leq	IS 9989	75
14.	19:00 - 20:00	70.1	dB (A) Leq	IS 9989	75
15.	20:00 - 21:00	69.5	dB (A) Leq	IS 9989	75
16.	21:00 - 22:00	68.0	dB (A) Leq	IS 9989	75
17.	22:00 - 23:00	65.7	dB (A) Leq	IS 9989	70
18.	23:00 - 00:00	63.7	dB (A) Leq	IS 9989	70
19.	00:00 - 01:00	61.5	dB (A) Leq	IS 9989	70
20.	01:00 - 02:00	60.3	dB (A) Leq	IS 9989	70
21.	02:00 - 03:00	57.2	dB (A) Leq	IS 9989	70
22.	03:00 - 04:00	59.3	dB (A) Leq	IS 9989	70
23.	04:00 - 05:00	61.3	dB (A) Leq	IS 9989	70
24.	05:00 - 06:00	61.8	dB (A) Leq	IS 9989	70

Analysis By

Anurag K.R.
Anurag Kumar



Approved By

Ramakant Panday

Reporting Date: 05/11/2024

AMBIENT NOISE MONITORING REPORT

Company Name		Kutch Copper Limited			
On Site 24 Hourly Monitoring Results					
Sample Type			Ambient Noise Monitoring		
Location			Project Site		
Sampling Date			17.10.2024		
Sampling Instrument		Sound Level Meter		Ldn	68.9
Lmax (Day)		74.9		Lmax (Night)	66.1
Lmin (Day)		61.5		Lmin (Night)	55.5
Leq (Day)		70.4		Leq (Night)	61.3
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
1.	06:00 - 07:00	61.5	dB (A) Leq	IS 9989	75
2.	07:00 - 08:00	63.2	dB (A) Leq	IS 9989	75
3.	08:00 - 09:00	66.3	dB (A) Leq	IS 9989	75
4.	09:00 - 10:00	72.4	dB (A) Leq	IS 9989	75
5.	10:00 - 11:00	73.5	dB (A) Leq	IS 9989	75
6.	11:00 - 12:00	72.3	dB (A) Leq	IS 9989	75
7.	12:00 - 13:00	69.6	dB (A) Leq	IS 9989	75
8.	13:00 - 14:00	66.4	dB (A) Leq	IS 9989	75
9.	14:00 - 15:00	65.0	dB (A) Leq	IS 9989	75
10.	15:00 - 16:00	70.8	dB (A) Leq	IS 9989	75
11.	16:00 - 17:00	74.9	dB (A) Leq	IS 9989	75
12.	17:00 - 18:00	73.3	dB (A) Leq	IS 9989	75



Reporting Date: 05/11/2024

AMBIENT NOISE MONITORING REPORT

Company Name

Kutch Copper Limited

On Site 24 Hourly Monitoring Results

Sample Type		Ambient Noise Monitoring			
Location		Project Site			
Sampling Date		17.10.2024			
Sampling Instrument	Sound Level Meter	Ldn	68.9		
Lmax (Day)	74.9	Lmax (Night)	66.1		
Lmin (Day)	61.5	Lmin (Night)	55.5		
Leq (Day)	70.4	Leq (Night)	61.3		
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
13.	18:00 - 19:00	70.2	dB (A) Leq	IS 9989	75
14.	19:00 - 20:00	69.4	dB (A) Leq	IS 9989	75
15.	20:00 - 21:00	68.2	dB (A) Leq	IS 9989	75
16.	21:00 - 22:00	67.3	dB (A) Leq	IS 9989	75
17.	22:00 - 23:00	66.1	dB (A) Leq	IS 9989	70
18.	23:00 - 00:00	64.8	dB (A) Leq	IS 9989	70
19.	00:00 - 01:00	59.9	dB (A) Leq	IS 9989	70
20.	01:00 - 02:00	59.0	dB (A) Leq	IS 9989	70
21.	02:00 - 03:00	56.3	dB (A) Leq	IS 9989	70
22.	03:00 - 04:00	55.5	dB (A) Leq	IS 9989	70
23.	04:00 - 05:00	56.5	dB (A) Leq	IS 9989	70
24.	05:00 - 06:00	58.1	dB (A) Leq	IS 9989	70

Analysis By

Anurag K.R.
Anurag kumar



Approved By

Ramakant Panday

Reporting Date: 04/12/2024

AMBIENT NOISE MONITORING REPORT

Company Name

Kutch Copper Limited

On Site 24 Hourly Monitoring Results

Sample Type		Ambient Noise Monitoring			
Location		Project Site			
Sampling Date		04.11.2024			
Sampling Instrument	Sound Level Meter		Ldn	70.2	
Lmax (Day)	75.9		Lmax (Night)	66.9	
Lmin (Day)	63.4		Lmin (Night)	58.4	
Leq (Day)	71.6		Leq (Night)	63.2	
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
1.	06:00 - 07:00	63.4	dB (A) Leq	IS 9989	75
2.	07:00 - 08:00	64.8	dB (A) Leq	IS 9989	75
3.	08:00 - 09:00	67.5	dB (A) Leq	IS 9989	75
4.	09:00 - 10:00	71.2	dB (A) Leq	IS 9989	75
5.	10:00 - 11:00	74.0	dB (A) Leq	IS 9989	75
6.	11:00 - 12:00	74.5	dB (A) Leq	IS 9989	75
7.	12:00 - 13:00	69.7	dB (A) Leq	IS 9989	75
8.	13:00 - 14:00	68.3	dB (A) Leq	IS 9989	75
9.	14:00 - 15:00	66.9	dB (A) Leq	IS 9989	75
10.	15:00 - 16:00	72.7	dB (A) Leq	IS 9989	75
11.	16:00 - 17:00	75.9	dB (A) Leq	IS 9989	75
12.	17:00 - 18:00	74.2	dB (A) Leq	IS 9989	75



Reporting Date: 04/12/2024

AMBIENT NOISE MONITORING REPORT

Company Name

Kutch Copper Limited

On Site 24 Hourly Monitoring Results

Sample Type		Ambient Noise Monitoring			
Location		Project Site			
Sampling Date		04.11.2024			
Sampling Instrument	Sound Level Meter	Ldn	70.2		
Lmax (Day)	75.9	Lmax (Night)	66.9		
Lmin (Day)	63.4	Lmin (Night)	58.4		
Leq (Day)	71.6	Leq (Night)	63.2		
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
13.	18:00 - 19:00	72.5	dB (A) Leq	IS 9989	75
14.	19:00 - 20:00	71.3	dB (A) Leq	IS 9989	75
15.	20:00 - 21:00	70.7	dB (A) Leq	IS 9989	75
16.	21:00 - 22:00	69.2	dB (A) Leq	IS 9989	75
17.	22:00 - 23:00	66.9	dB (A) Leq	IS 9989	70
18.	23:00 - 00:00	64.9	dB (A) Leq	IS 9989	70
19.	00:00 - 01:00	62.7	dB (A) Leq	IS 9989	70
20.	01:00 - 02:00	61.5	dB (A) Leq	IS 9989	70
21.	02:00 - 03:00	58.4	dB (A) Leq	IS 9989	70
22.	03:00 - 04:00	60.5	dB (A) Leq	IS 9989	70
23.	04:00 - 05:00	62.5	dB (A) Leq	IS 9989	70
24.	05:00 - 06:00	63.0	dB (A) Leq	IS 9989	70

Analysis By

Anurag K.

Anurag Kumar



Approved By

Ramakant Panday

Ramakant Panday

Reporting Date: 04/12/2024

AMBIENT NOISE MONITORING REPORT

Company Name		Kutch Copper Limited			
On Site 24 Hourly Monitoring Results					
Sample Type			Ambient Noise Monitoring		
Location			Project Site		
Sampling Date			18.11.2024		
Sampling Instrument		Sound Level Meter		Ldn	70.5
Lmax (Day)		76.5		Lmax (Night)	67.7
Lmin (Day)		63.1		Lmin (Night)	57.1
Leq (Day)		72.0		Leq (Night)	62.9
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
1.	06:00 - 07:00	63.1	dB (A) Leq	IS 9989	75
2.	07:00 - 08:00	64.8	dB (A) Leq	IS 9989	75
3.	08:00 - 09:00	67.9	dB (A) Leq	IS 9989	75
4.	09:00 - 10:00	74.0	dB (A) Leq	IS 9989	75
5.	10:00 - 11:00	75.1	dB (A) Leq	IS 9989	75
6.	11:00 - 12:00	73.9	dB (A) Leq	IS 9989	75
7.	12:00 - 13:00	71.2	dB (A) Leq	IS 9989	75
8.	13:00 - 14:00	68.0	dB (A) Leq	IS 9989	75
9.	14:00 - 15:00	66.6	dB (A) Leq	IS 9989	75
10.	15:00 - 16:00	72.4	dB (A) Leq	IS 9989	75
11.	16:00 - 17:00	76.5	dB (A) Leq	IS 9989	75
12.	17:00 - 18:00	74.9	dB (A) Leq	IS 9989	75



Reporting Date: 04/12/2024

AMBIENT NOISE MONITORING REPORT

Company Name

Kutch Copper Limited

On Site 24 Hourly Monitoring Results

Sample Type		Ambient Noise Monitoring			
Location		Project Site			
Sampling Date		18.11.2024			
Sampling Instrument	Sound Level Meter		Ldn	70.5	
Lmax (Day)	76.5		Lmax (Night)	67.7	
Lmin (Day)	63.1		Lmin (Night)	57.1	
Leq (Day)	72.0		Leq (Night)	62.9	
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
13.	18:00 - 19:00	71.8	dB (A) Leq	IS 9989	75
14.	19:00 - 20:00	71.0	dB (A) Leq	IS 9989	75
15.	20:00 - 21:00	69.8	dB (A) Leq	IS 9989	75
16.	21:00 - 22:00	68.9	dB (A) Leq	IS 9989	75
17.	22:00 - 23:00	67.7	dB (A) Leq	IS 9989	70
18.	23:00 - 00:00	66.4	dB (A) Leq	IS 9989	70
19.	00:00 - 01:00	61.5	dB (A) Leq	IS 9989	70
20.	01:00 - 02:00	60.6	dB (A) Leq	IS 9989	70
21.	02:00 - 03:00	57.9	dB (A) Leq	IS 9989	70
22.	03:00 - 04:00	57.1	dB (A) Leq	IS 9989	70
23.	04:00 - 05:00	58.1	dB (A) Leq	IS 9989	70
24.	05:00 - 06:00	59.7	dB (A) Leq	IS 9989	70

Analysis By

Anurag Kr.
Anurag kumar



Approved By

Ramakant Panday

Reporting Date: 02/01/2025

AMBIENT NOISE MONITORING REPORT

Company Name

Kutch Copper Limited

On Site 24 Hourly Monitoring Results

Sample Type		Ambient Noise Monitoring			
Location		Project Site			
Sampling Date		02.12.2024			
Sampling Instrument	Sound Level Meter	Ldn	71.6		
Lmax (Day)	77.3	Lmax (Night)	68.3		
Lmin (Day)	64.8	Lmin (Night)	59.8		
Leq (Day)	73.0	Leq (Night)	64.6		
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
1.	06:00 - 07:00	64.8	dB (A) Leq	IS 9989	75
2.	07:00 - 08:00	66.2	dB (A) Leq	IS 9989	75
3.	08:00 - 09:00	68.9	dB (A) Leq	IS 9989	75
4.	09:00 - 10:00	72.6	dB (A) Leq	IS 9989	75
5.	10:00 - 11:00	75.4	dB (A) Leq	IS 9989	75
6.	11:00 - 12:00	75.9	dB (A) Leq	IS 9989	75
7.	12:00 - 13:00	71.1	dB (A) Leq	IS 9989	75
8.	13:00 - 14:00	69.7	dB (A) Leq	IS 9989	75
9.	14:00 - 15:00	68.3	dB (A) Leq	IS 9989	75
10.	15:00 - 16:00	74.1	dB (A) Leq	IS 9989	75
11.	16:00 - 17:00	77.3	dB (A) Leq	IS 9989	75
12.	17:00 - 18:00	75.6	dB (A) Leq	IS 9989	75



Reporting Date: 02/01/2025

AMBIENT NOISE MONITORING REPORT

Company Name

Kutch Copper Limited

On Site 24 Hourly Monitoring Results

Sample Type		Ambient Noise Monitoring			
Location		Project Site			
Sampling Date		02.12.2024			
Sampling Instrument	Sound Level Meter	Ldn	71.6		
Lmax (Day)	77.3	Lmax (Night)	68.3		
Lmin (Day)	64.8	Lmin (Night)	59.8		
Leq (Day)	73.0	Leq (Night)	64.6		
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
13.	18:00 - 19:00	72.5	dB (A) Leq	IS 9989	75
14.	19:00 - 20:00	71.3	dB (A) Leq	IS 9989	75
15.	20:00 - 21:00	70.7	dB (A) Leq	IS 9989	75
16.	21:00 - 22:00	69.2	dB (A) Leq	IS 9989	75
17.	22:00 - 23:00	66.9	dB (A) Leq	IS 9989	70
18.	23:00 - 00:00	64.9	dB (A) Leq	IS 9989	70
19.	00:00 - 01:00	62.7	dB (A) Leq	IS 9989	70
20.	01:00 - 02:00	61.5	dB (A) Leq	IS 9989	70
21.	02:00 - 03:00	58.4	dB (A) Leq	IS 9989	70
22.	03:00 - 04:00	60.5	dB (A) Leq	IS 9989	70
23.	04:00 - 05:00	62.5	dB (A) Leq	IS 9989	70
24.	05:00 - 06:00	63.0	dB (A) Leq	IS 9989	70

Analysis By

Anurag K.R
Anurag Kumar



Approved By

Ramakant Panday

Reporting Date: 02/01/2025

AMBIENT NOISE MONITORING REPORT

Company Name		Kutch Copper Limited			
On Site 24 Hourly Monitoring Results					
Sample Type			Ambient Noise Monitoring		
Location			Project Site		
Sampling Date			16.12.2024		
Sampling Instrument		Sound Level Meter		Ldn	69.6
Lmax (Day)		75.6		Lmax (Night)	66.8
Lmin (Day)		62.2		Lmin (Night)	56.2
Leq (Day)		71.1		Leq (Night)	62.0
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
1.	06:00 - 07:00	62.2	dB (A) Leq	IS 9989	75
2.	07:00 - 08:00	63.9	dB (A) Leq	IS 9989	75
3.	08:00 - 09:00	67.0	dB (A) Leq	IS 9989	75
4.	09:00 - 10:00	73.1	dB (A) Leq	IS 9989	75
5.	10:00 - 11:00	74.2	dB (A) Leq	IS 9989	75
6.	11:00 - 12:00	73.0	dB (A) Leq	IS 9989	75
7.	12:00 - 13:00	70.3	dB (A) Leq	IS 9989	75
8.	13:00 - 14:00	67.1	dB (A) Leq	IS 9989	75
9.	14:00 - 15:00	65.7	dB (A) Leq	IS 9989	75
10.	15:00 - 16:00	71.5	dB (A) Leq	IS 9989	75
11.	16:00 - 17:00	75.6	dB (A) Leq	IS 9989	75
12.	17:00 - 18:00	74.0	dB (A) Leq	IS 9989	75



Reporting Date: 02/01/2025

AMBIENT NOISE MONITORING REPORT

Company Name

Kutch Copper Limited

On Site 24 Hourly Monitoring Results

Sample Type		Ambient Noise Monitoring			
Location		Project Site			
Sampling Date		16.12.2024			
Sampling Instrument	Sound Level Meter	Ldn	69.6		
Lmax (Day)	75.6	Lmax (Night)	66.8		
Lmin (Day)	62.2	Lmin (Night)	56.2		
Leq (Day)	71.1	Leq (Night)	62.0		
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
13.	18:00 - 19:00	70.9	dB (A) Leq	IS 9989	75
14.	19:00 - 20:00	70.1	dB (A) Leq	IS 9989	75
15.	20:00 - 21:00	68.9	dB (A) Leq	IS 9989	75
16.	21:00 - 22:00	68.0	dB (A) Leq	IS 9989	75
17.	22:00 - 23:00	66.8	dB (A) Leq	IS 9989	70
18.	23:00 - 00:00	65.5	dB (A) Leq	IS 9989	70
19.	00:00 - 01:00	60.6	dB (A) Leq	IS 9989	70
20.	01:00 - 02:00	59.7	dB (A) Leq	IS 9989	70
21.	02:00 - 03:00	57.0	dB (A) Leq	IS 9989	70
22.	03:00 - 04:00	56.2	dB (A) Leq	IS 9989	70
23.	04:00 - 05:00	57.2	dB (A) Leq	IS 9989	70
24.	05:00 - 06:00	58.8	dB (A) Leq	IS 9989	70

Analysis By

Anurag K.
Anurag kumar



Approved By

Ramakant Pandey



GCI-NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor [Schedule-11]

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

TEST REPORT
(AMBIENT NOISE LEVEL MONITORING)

Test Report No.	:	KCL/N01/01/25/001	Date Of Report:	31/01/2025
Name & Add. Of Industries	:	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Location of Monitoring	:	KCL Complex (South Gate)		
Latitude	:	22.815909	Longitude	: 69.58602
Date of Monitoring	:	23/01/2025		

➤ **Details of Instrument Used for Monitoring.**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/SLM/09E	Sound Level Meter	311 DTK 2015	16/12/2024	15/12/2025

➤ **Result :**

Sr. No.	Hour	Noise Level Leq. dB(A)	Hour	Noise Level Leq. dB(A)											
		Day Time		Night Time											
1.	06:00 to 07:00	53.8	22:00 to 23:00	49.6											
2.	07:00 to 08:00	55.4	23:00 to 24:00	48.3											
3.	08:00 to 09:00	58.2	24:00 to 01:00	47.8											
4.	09:00 to 10:00	56.7	01:00 to 02:00	45.3											
5.	10:00 to 11:00	57.1	02:00 to 03:00	46.5											
6.	11:00 to 12:00	60.3	03:00 to 04:00	48.1											
7.	12:00 to 13:00	58.6	04:00 to 05:00	46.3											
8.	13:00 to 14:00	57.4	05:00 to 06:00	43.8											
9.	14:00 to 15:00	61.3	Average	47.0											
10.	15:00 to 16:00	63.4	Maximum	49.6											
11.	16:00 to 17:00	60.5	Minimum	43.8											
12.	17:00 to 18:00	59.4	<table><tr><th rowspan="2">Category of Area/Zone</th><th colspan="2">Limit in dB (A) Leq</th></tr><tr><th>Day Time (6:00 am to 10:00 pm)</th><th>Night Time (10:00 pm to 6:00 am)</th></tr><tr><td>Industrial area</td><td>75</td><td>70</td></tr><tr><td>Residential area</td><td>55</td><td>45</td></tr></table>		Category of Area/Zone	Limit in dB (A) Leq		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	Industrial area	75	70	Residential area	55	45
Category of Area/Zone	Limit in dB (A) Leq														
	Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)													
Industrial area	75	70													
Residential area	55	45													
13.	18:00 to 19:00	57.6													
14.	19:00 to 20:00	57.9													
15.	20:00 to 21:00	58.4													
16.	21:00 to 22:00	55.3													
Average		58.2													
Maximum		63.4													
Minimum		53.8													

Note: Ambient Air Quality Standards in respected of Noise as per CPCB.

Remarks:

Opinion & Interpretation (if required):

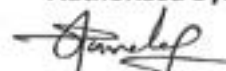
***** End of Report *****

Checked By:



Pooja S. Gandhi
(Sr. Chemist)
Page No.: 1 of 1

Authorized By:



Jaivik S. Tandel
(Manager - Operations)
UERL/AIR/F-18/03

Note: This report is subject to Terms and Conditions mentioned overleaf.



QCI-NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-II)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

TEST REPORT
(AMBIENT NOISE LEVEL MONITORING)

Test Report No.	:	KCL/N02/01/25/001	Date Of Report:	31/01/2025
Name & Add. Of Industries	:	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Location of Monitoring	:	KCL Complex (Near ETP)		
Latitude	:	22.824985	Longitude	: 69.575942
Date of Monitoring	:	23/01/2025		

➤ **Details of Instrument Used for Monitoring.**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/SLM/09E	Sound Level Meter	311 DTK 2015	16/12/2024	15/12/2025

➤ **Result :**

Sr. No.	Hour	Noise Level Leq. dB(A)	Hour	Noise Level Leq. dB(A)															
		Day Time		Night Time															
1.	06:00 to 07:00	55.4	22:00 to 23:00	49.6															
2.	07:00 to 08:00	54.3	23:00 to 24:00	48.3															
3.	08:00 to 09:00	56.7	24:00 to 01:00	47.8															
4.	09:00 to 10:00	57.3	01:00 to 02:00	45.3															
5.	10:00 to 11:00	61.2	02:00 to 03:00	46.5															
6.	11:00 to 12:00	59.4	03:00 to 04:00	48.1															
7.	12:00 to 13:00	62.4	04:00 to 05:00	46.3															
8.	13:00 to 14:00	61.7	05:00 to 06:00	43.8															
9.	14:00 to 15:00	58.4	Average	47.7															
10.	15:00 to 16:00	57.8	Maximum	51.1															
11.	16:00 to 17:00	59.3	Minimum	45.1															
12.	17:00 to 18:00	62.3	<table><tr><th rowspan="2">Category of Area/Zone</th><th colspan="2">Limit in dB (A) Leq</th></tr><tr><th>Day Time (6:00 am to 10:00 pm)</th><th>Night Time (10:00 pm to 6:00 am)</th></tr><tr><td>Industrial area</td><td>75</td><td>70</td></tr><tr><td>Residential area</td><td>55</td><td>45</td></tr><tr><td colspan="2">Sampling Method</td><td colspan="2">IS : 9989 : 1981</td></tr></table>		Category of Area/Zone	Limit in dB (A) Leq		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	Industrial area	75	70	Residential area	55	45	Sampling Method		IS : 9989 : 1981	
Category of Area/Zone	Limit in dB (A) Leq																		
	Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)																	
Industrial area	75	70																	
Residential area	55	45																	
Sampling Method		IS : 9989 : 1981																	
13.	18:00 to 19:00	56.8																	
14.	19:00 to 20:00	60.3																	
15.	20:00 to 21:00	56.3																	
16.	21:00 to 22:00	53.8																	
Average		58.3																	
Maximum		62.4																	
Minimum		53.8																	

Note: Ambient Air Quality Standards in respected of Noise as per CPCB.

Remarks:

Opinion & Interpretation (If required):

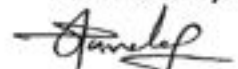
***** End of Report *****

Checked By:



Pooja S. Gandhi
(Sr. Chemist)
Page No.: 1 of 1

Authorized By:



Jaivik S. Tandel
(Manager - Operations)
UERL/AIR/F-18/03

Note: This report is subject to Terms and Conditions mentioned overleaf.



GCI-NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor [Schedule-11]

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

TEST REPORT
(AMBIENT NOISE LEVEL MONITORING)

Test Report No.	:	KCL/N03/01/25/001	Date Of Report:	31/01/2025
Name & Add. Of Industries	:	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Location of Monitoring	:	KCL Complex (Admin Building)		
Latitude	:	22.827180	Longitude	: 69.582640
Date of Monitoring	:	23/01/2025		

➤ **Details of Instrument Used for Monitoring.**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/SLM/09E	Sound Level Meter	311 DTK 2015	16/12/2024	15/12/2025

➤ **Result :**

Sr. No.	Hour	Noise Level Leq. dB(A)	Hour	Noise Level Leq. dB(A)											
		Day Time		Night Time											
1.	06:00 to 07:00	49.6	22:00 to 23:00	46.8											
2.	07:00 to 08:00	52.5	23:00 to 24:00	47.1											
3.	08:00 to 09:00	54.8	24:00 to 01:00	44.3											
4.	09:00 to 10:00	53.2	01:00 to 02:00	42.8											
5.	10:00 to 11:00	50.7	02:00 to 03:00	43.6											
6.	11:00 to 12:00	52.4	03:00 to 04:00	41.6											
7.	12:00 to 13:00	55.3	04:00 to 05:00	43.2											
8.	13:00 to 14:00	54.3	05:00 to 06:00	40.7											
9.	14:00 to 15:00	56.8	Average	43.8											
10.	15:00 to 16:00	52.3	Maximum	47.1											
11.	16:00 to 17:00	53.9	Minimum	40.7											
12.	17:00 to 18:00	55.1	<table><tr><th rowspan="2">Category of Area/Zone</th><th colspan="2">Limit in dB (A) Leq</th></tr><tr><th>Day Time (6:00 am to 10:00 pm)</th><th>Night Time (10:00 pm to 6:00 am)</th></tr><tr><td>Industrial area</td><td>75</td><td>70</td></tr><tr><td>Residential area</td><td>55</td><td>45</td></tr></table>		Category of Area/Zone	Limit in dB (A) Leq		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	Industrial area	75	70	Residential area	55	45
Category of Area/Zone	Limit in dB (A) Leq														
	Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)													
Industrial area	75	70													
Residential area	55	45													
13.	18:00 to 19:00	53.2													
14.	19:00 to 20:00	50.7													
15.	20:00 to 21:00	52.1													
16.	21:00 to 22:00	49.6													
Average		52.9													
Maximum		56.8													
Minimum		49.6													

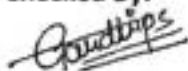
Note: Ambient Air Quality Standards in respected of Noise as per CPCB.

Remarks:

Opinion & Interpretation (if required):

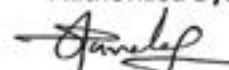
***** End of Report *****

Checked By:



Pooja S. Gandhi
(Sr. Chemist)
Page No.: 1 of 1

Authorized By:



Jaivik S. Tandel
(Manager - Operations)
UERL/AIR/F-18/03

Note: This report is subject to Terms and Conditions mentioned overleaf.



QCI-NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-11)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

TEST REPORT
(AMBIENT NOISE LEVEL MONITORING)

Test Report No.	: KCL/N04/01/25/001	Date Of Report:	31/01/2025
Name & Add. Of Industries	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Location of Monitoring	Main Gate, KCTL		
Latitude	: 22.833832	Longitude	: 69.583024
Date of Monitoring	: 23/01/2025		

➤ **Details of Instrument Used for Monitoring.**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/SLM/09E	Sound Level Meter	311 DTK 2015	16/12/2024	15/12/2025

➤ **Result :**

Sr. No.	Hour	Noise Level Leq. dB(A)	Hour	Noise Level Leq. dB(A)											
		Day Time		Night Time											
1.	06:00 to 07:00	57.3	22:00 to 23:00	55.3											
2.	07:00 to 08:00	58.7	23:00 to 24:00	55.1											
3.	08:00 to 09:00	61.4	24:00 to 01:00	52.8											
4.	09:00 to 10:00	60.8	01:00 to 02:00	50.6											
5.	10:00 to 11:00	58.4	02:00 to 03:00	48.4											
6.	11:00 to 12:00	63.4	03:00 to 04:00	47.8											
7.	12:00 to 13:00	64.3	04:00 to 05:00	49.2											
8.	13:00 to 14:00	62.8	05:00 to 06:00	47.2											
9.	14:00 to 15:00	63.8	Average	50.8											
10.	15:00 to 16:00	61.9	Maximum	55.3											
11.	16:00 to 17:00	60.5	Minimum	47.2											
12.	17:00 to 18:00	58.4	<table><tr><th rowspan="2">Category of Area/Zone</th><th colspan="2">Limit in dB (A) Leq</th></tr><tr><th>Day Time (6:00 am to 10:00 pm)</th><th>Night Time (10:00 pm to 6:00 am)</th></tr><tr><td>Industrial area</td><td>75</td><td>70</td></tr><tr><td>Residential area</td><td>55</td><td>45</td></tr></table>		Category of Area/Zone	Limit in dB (A) Leq		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	Industrial area	75	70	Residential area	55	45
Category of Area/Zone	Limit in dB (A) Leq														
	Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)													
Industrial area	75	70													
Residential area	55	45													
13.	18:00 to 19:00	63.2													
14.	19:00 to 20:00	65.6													
15.	20:00 to 21:00	63.2													
16.	21:00 to 22:00	59.1													
Average		61.4													
Maximum		65.6													
Minimum		57.3													

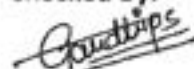
Note: Ambient Air Quality Standards in respected of Noise as per CPCB.

Remarks:

Opinion & Interpretation (if required):

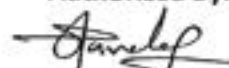
***** End of Report *****

Checked By:



Pooja S. Gandhi
(Sr. Chemist)
Page No.: 1 of 1

Authorized By:



Jaivik S. Tandel
(Manager - Operations)
UERL/AIR/F-18/03

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QCI-NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-11)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

TEST REPORT
(AMBIENT NOISE LEVEL MONITORING)

Test Report No.	:	KCL/N05/01/25/001	Date Of Report:	31/01/2025
Name & Add. Of Industries	:	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Location of Monitoring	:	Shiracha Village		
Latitude	:	22.844966	Longitude	: 69.571543
Date of Monitoring	:	20/01/2025		

➤ **Details of Instrument Used for Monitoring.**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/SLM/09E	Sound Level Meter	311 DTK 2015	16/12/2024	15/12/2025

Date of Monitoring : 20-01-2025

Location of Monitoring :

➤ **Result :**

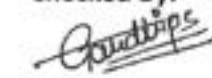
Sr. No.	Hour	Noise Level Leq. dB(A)	Hour	Noise Level Leq. dB(A)											
		Day Time		Night Time											
1.	06:00 to 07:00	53.6	22:00 to 23:00	47.6											
2.	07:00 to 08:00	51.4	23:00 to 24:00	47.9											
3.	08:00 to 09:00	50.4	24:00 to 01:00	44.6											
4.	09:00 to 10:00	54.3	01:00 to 02:00	44.3											
5.	10:00 to 11:00	56.2	02:00 to 03:00	43.1											
6.	11:00 to 12:00	54.1	03:00 to 04:00	41.9											
7.	12:00 to 13:00	54.9	04:00 to 05:00	43.7											
8.	13:00 to 14:00	52.3	05:00 to 06:00	44.5											
9.	14:00 to 15:00	51.6	Average	44.7											
10.	15:00 to 16:00	48.3	Maximum	47.9											
11.	16:00 to 17:00	52.4	Minimum	41.9											
12.	17:00 to 18:00	53.8	<table><tr><th rowspan="2">Category of Area/Zone</th><th colspan="2">Limit in dB (A) Leq</th></tr><tr><th>Day Time (6:00 am to 10:00 pm)</th><th>Night Time (10:00 pm to 6:00 am)</th></tr><tr><td>Industrial area</td><td>75</td><td>70</td></tr><tr><td>Residential area</td><td>55</td><td>45</td></tr></table>		Category of Area/Zone	Limit in dB (A) Leq		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	Industrial area	75	70	Residential area	55	45
Category of Area/Zone	Limit in dB (A) Leq														
	Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)													
Industrial area	75	70													
Residential area	55	45													
13.	18:00 to 19:00	49.7													
14.	19:00 to 20:00	48.1													
15.	20:00 to 21:00	50.3													
16.	21:00 to 22:00	48.3													
Average		51.9													
Maximum		56.2													
Minimum		48.1													

Note: Ambient Air Quality Standards in respected of Noise as per CPCB.

Remarks:
Opinion & Interpretation (if required):

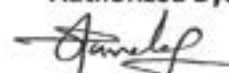
***** End of Report *****

Checked By:



Pooja S. Gandhi
(Sr. Chemist)
Page No.: 1 of 1

Authorized By:



Jaivik S. Tandel
(Manager - Operations)
UERL/AIR/F-18/03

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Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-11)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

TEST REPORT
(AMBIENT NOISE LEVEL MONITORING)

Test Report No.	:	KCL/N06/01/25/001	Date Of Report:	31/01/2025
Name & Add. Of Industries	:	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Location of Monitoring	:	Wandh Village		
Latitude	:	22.81156	Longitude	: 69.54114
Date of Monitoring	:	27/01/2025		

➤ **Details of Instrument Used for Monitoring.**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/SLM/09E	Sound Level Meter	311 DTK 2015	16/12/2024	15/12/2025

➤ **Result :**

Sr. No.	Hour	Noise Level Leq. dB(A)	Hour	Noise Level Leq. dB(A)											
		Day Time		Night Time											
1.	06:00 to 07:00	48.8	22:00 to 23:00	43.2											
2.	07:00 to 08:00	47.3	23:00 to 24:00	44.6											
3.	08:00 to 09:00	45.7	24:00 to 01:00	42.8											
4.	09:00 to 10:00	44.3	01:00 to 02:00	40.5											
5.	10:00 to 11:00	46.3	02:00 to 03:00	41.4											
6.	11:00 to 12:00	50.2	03:00 to 04:00	38.5											
7.	12:00 to 13:00	47.3	04:00 to 05:00	40.3											
8.	13:00 to 14:00	46.3	05:00 to 06:00	41.7											
9.	14:00 to 15:00	45.8	Average	41.6											
10.	15:00 to 16:00	48.3	Maximum	44.6											
11.	16:00 to 17:00	51.7	Minimum	38.5											
12.	17:00 to 18:00	49.5	<table><tr><th rowspan="2">Category of Area/Zone</th><th colspan="2">Limit in dB (A) Leq</th></tr><tr><th>Day Time (6:00 am to 10:00 pm)</th><th>Night Time (10:00 pm to 6:00 am)</th></tr><tr><td>Industrial area</td><td>75</td><td>70</td></tr><tr><td>Residential area</td><td>55</td><td>45</td></tr></table>		Category of Area/Zone	Limit in dB (A) Leq		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	Industrial area	75	70	Residential area	55	45
Category of Area/Zone	Limit in dB (A) Leq														
	Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)													
Industrial area	75	70													
Residential area	55	45													
13.	18:00 to 19:00	47.3													
14.	19:00 to 20:00	45.3													
15.	20:00 to 21:00	44.1													
16.	21:00 to 22:00	44.6													
Average		47.1													
Maximum		51.7													
Minimum		44.1													

Note: Ambient Air Quality Standards in respected of Noise as per CPCB.

Remarks:
Opinion & Interpretation (if required):

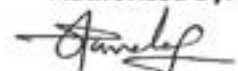
***** End of Report *****

Checked By:



Pooja S. Gandhi
(Sr. Chemist)
Page No.: 1 of 1

Authorized By:



Jaivik S. Tandel
(Manager - Operations)
UERL/AIR/F-18/03

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GCI-NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-11)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

TEST REPORT
(AMBIENT NOISE LEVEL MONITORING)

Test Report No.	:	KCL/N07/01/25/001	Date Of Report:	31/01/2025
Name & Add. Of Industries	:	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Location of Monitoring	:	Navinal Village		
Latitude	:	22.837088	Longitude	: 69.579112
Date of Monitoring	:	30/01/2025		

➤ **Details of Instrument Used for Monitoring.**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/SLM/09E	Sound Level Meter	311 DTK 2015	16/12/2024	15/12/2025

➤ **Result :**

Sr. No.	Hour	Noise Level Leq. dB(A)	Hour	Noise Level Leq. dB(A)											
		Day Time		Night Time											
1.	06:00 to 07:00	50.2	22:00 to 23:00	40.7											
2.	07:00 to 08:00	51.8	23:00 to 24:00	40.4											
3.	08:00 to 09:00	47.4	24:00 to 01:00	41.7											
4.	09:00 to 10:00	48.6	01:00 to 02:00	35.4											
5.	10:00 to 11:00	50.2	02:00 to 03:00	36.8											
6.	11:00 to 12:00	48.6	03:00 to 04:00	36.8											
7.	12:00 to 13:00	53.2	04:00 to 05:00	38.6											
8.	13:00 to 14:00	47.8	05:00 to 06:00	39.2											
9.	14:00 to 15:00	49.3	Average	38.7											
10.	15:00 to 16:00	55.1	Maximum	41.7											
11.	16:00 to 17:00	45.3	Minimum	35.4											
12.	17:00 to 18:00	46.2	<table><tr><th rowspan="2">Category of Area/Zone</th><th colspan="2">Limit in dB (A) Leq</th></tr><tr><th>Day Time (6:00 am to 10:00 pm)</th><th>Night Time (10:00 pm to 6:00 am)</th></tr><tr><td>Industrial area</td><td>75</td><td>70</td></tr><tr><td>Residential area</td><td>55</td><td>45</td></tr></table>	Category of Area/Zone	Limit in dB (A) Leq		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	Industrial area	75	70	Residential area	55	45	
Category of Area/Zone	Limit in dB (A) Leq														
	Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)													
Industrial area	75	70													
Residential area	55	45													
13.	18:00 to 19:00	43.8													
14.	19:00 to 20:00	46.2													
15.	20:00 to 21:00	45.4													
16.	21:00 to 22:00	42.8													
Average		48.2													
Maximum		55.1													
Minimum		42.8													

Note: Ambient Air Quality Standards in respected of Noise as per CPCB.

Remarks:

Opinion & Interpretation (if required):

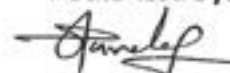
***** End of Report *****

Checked By:



Pooja S. Gandhi
(Sr. Chemist)
Page No.: 1 of 1

Authorized By:



Jaivik S. Tandel
(Manager - Operations)
UERL/AIR/F-18/03

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QCI-NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-11)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

TEST REPORT
(AMBIENT NOISE LEVEL MONITORING)

Test Report No.	:	KCL/N01/02/25/001	Date Of Report:	28/02/2025
Name & Add. Of Industries	:	M/s. Kutch Copper Ltd.		
	:	Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Location of Monitoring	:	KCL Complex (South Gate)		
Latitude	:	22.815909	Longitude	: 69.58602
Date of Monitoring	:	14/02/2025		

➤ **Details of Instrument Used for Monitoring.**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/SLM/09E	Sound Level Meter	311 DTK 2015	16/12/2024	15/12/2025

➤ **Result :**

Sr. No.	Hour	Noise Level Leq. dB(A)	Hour	Noise Level Leq. dB(A)
		Day Time		Night Time
1.	06:00 to 07:00	51.7	22:00 to 23:00	52.2
2.	07:00 to 08:00	54.6	23:00 to 24:00	50.3
3.	08:00 to 09:00	54.3	24:00 to 01:00	45.7
4.	09:00 to 10:00	55.0	01:00 to 02:00	46.8
5.	10:00 to 11:00	53.9	02:00 to 03:00	48.2
6.	11:00 to 12:00	56.3	03:00 to 04:00	47.5
7.	12:00 to 13:00	54.3	04:00 to 05:00	44.8
8.	13:00 to 14:00	57.2	05:00 to 06:00	44.3
9.	14:00 to 15:00	56.4	Average	47.4
10.	15:00 to 16:00	55.3	Maximum	52.2
11.	16:00 to 17:00	58.7	Minimum	44.3
12.	17:00 to 18:00	61.3		
13.	18:00 to 19:00	57.4		
14.	19:00 to 20:00	54.3		
15.	20:00 to 21:00	56.3		
16.	21:00 to 22:00	54.3		
	Average	55.7		
	Maximum	61.3		
	Minimum	51.7		

Category of Area/Zone	Limit in dB (A) Leq	
	Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)
Industrial area	75	70
Residential area	55	45

Note: Ambient Air Quality Standards in respected of Noise as per CPCB.

Remarks:
Opinion & Interpretation (if required):

***** End of Report *****

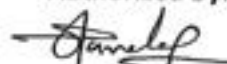
Checked By:



Pooja S. Gandhi
(Sr. Chemist)

Page No.: 1 of 1

Authorized By:



Jaivik S. Tandel
(Manager - Operations)
UERL/AIR/F-18/03

Note: This report is subject to Terms and Conditions mentioned overleaf.



GCHNABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-11)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

TEST REPORT
(AMBIENT NOISE LEVEL MONITORING)

Test Report No.	: KCL/N02/02/25/001	Date Of Report:	28/02/2025
Name & Add. Of Industries	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Location of Monitoring	KCL Complex (Near ETP)		
Latitude	: 22.824985	Longitude	: 69.575942
Date of Monitoring	14/02/2025		

➤ **Details of Instrument Used for Monitoring.**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/SLM/09E	Sound Level Meter	311 DTK 2015	16/12/2024	15/12/2025

➤ **Result :**

Sr. No.	Hour	Noise Level Leq. dB(A)	Hour	Noise Level Leq. dB(A)	
		Day Time		Night Time	
1.	06:00 to 07:00	57.3	22:00 to 23:00	55.7	
2.	07:00 to 08:00	58.7	23:00 to 24:00	53.8	
3.	08:00 to 09:00	60.4	24:00 to 01:00	52.4	
4.	09:00 to 10:00	61.3	01:00 to 02:00	48.5	
5.	10:00 to 11:00	58.5	02:00 to 03:00	49.7	
6.	11:00 to 12:00	60.6	03:00 to 04:00	47.2	
7.	12:00 to 13:00	59.4	04:00 to 05:00	46.3	
8.	13:00 to 14:00	64.9	05:00 to 06:00	47.8	
9.	14:00 to 15:00	61.6	Average	50.1	
10.	15:00 to 16:00	63.4	Maximum	55.7	
11.	16:00 to 17:00	60.8	Minimum	46.3	
12.	17:00 to 18:00	64.2	Category of Area/Zone	Limit in dB (A) Leq Day Time (6:00 am to 10:00 pm) Night Time (10:00 pm to 6:00 am)	
13.	18:00 to 19:00	63.1			
14.	19:00 to 20:00	61.8			
15.	20:00 to 21:00	57.4			
16.	21:00 to 22:00	56.1			
Average		60.5	Industrial area	75	70
Maximum		64.9	Residential area	55	45
Minimum		56.1	Sampling Method		IS : 9989 : 1981

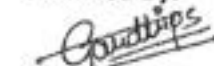
Note: Ambient Air Quality Standards in respected of Noise as per CPCB.

Remarks:

Opinion & Interpretation (if required):

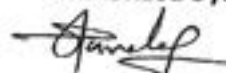
***** End of Report *****

Checked By:



Pooja S. Gandhi
(Sr. Chemist)
Page No.: 1 of 1

Authorized By:



Jaivik S. Tandel
(Manager - Operations)
UERL/AIR/F-18/03

Note: This report is subject to Terms and Conditions mentioned overleaf.



QCI-NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor [Schedule-11]

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

TEST REPORT
(AMBIENT NOISE LEVEL MONITORING)

Test Report No.	: KCL/N03/02/25/001	Date Of Report:	28/02/2025
Name & Add. Of Industries	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Location of Monitoring	KCL Complex (Admin Building)		
Latitude	: 22.827180	Longitude	: 69.582640
Date of Monitoring	: 14/02/2025		

➤ **Details of Instrument Used for Monitoring.**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/SLM/09E	Sound Level Meter	311 DTK 2015	16/12/2024	15/12/2025

➤ **Result :**

Sr. No.	Hour	Noise Level Leq. dB(A)	Hour	Noise Level Leq. dB(A)											
		Day Time		Night Time											
1.	06:00 to 07:00	52.5	22:00 to 23:00	49.5											
2.	07:00 to 08:00	53.4	23:00 to 24:00	52.5											
3.	08:00 to 09:00	55.8	24:00 to 01:00	49.6											
4.	09:00 to 10:00	57.4	01:00 to 02:00	46.3											
5.	10:00 to 11:00	56.3	02:00 to 03:00	45.3											
6.	11:00 to 12:00	57.4	03:00 to 04:00	43.8											
7.	12:00 to 13:00	56.2	04:00 to 05:00	45.2											
8.	13:00 to 14:00	54.3	05:00 to 06:00	42.6											
9.	14:00 to 15:00	57.5	Average	46.8											
10.	15:00 to 16:00	55.8	Maximum	52.5											
11.	16:00 to 17:00	56.2	Minimum	42.6											
12.	17:00 to 18:00	58.8	<table><tr><th rowspan="2">Category of Area/Zone</th><th colspan="2">Limit in dB (A) Leq</th></tr><tr><th>Day Time (6:00 am to 10:00 pm)</th><th>Night Time (10:00 pm to 6:00 am)</th></tr><tr><td>Industrial area</td><td>75</td><td>70</td></tr><tr><td>Residential area</td><td>55</td><td>45</td></tr></table>		Category of Area/Zone	Limit in dB (A) Leq		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	Industrial area	75	70	Residential area	55	45
Category of Area/Zone	Limit in dB (A) Leq														
	Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)													
Industrial area	75	70													
Residential area	55	45													
13.	18:00 to 19:00	56.3													
14.	19:00 to 20:00	54.3													
15.	20:00 to 21:00	54.1													
16.	21:00 to 22:00	53.8													
Average		55.6													
Maximum		58.8													
Minimum		52.5													

Note: Ambient Air Quality Standards in respected of Noise as per CPCB.

Remarks:
Opinion & Interpretation (if required):

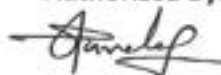
***** End of Report *****

Checked By:



Pooja S. Gandhi
(Sr. Chemist)
Page No.: 1 of 1

Authorized By:



Jaivik S. Tandel
(Manager - Operations)
UERL/AIR/F-18/03

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Auditor (Schedule-11)

ISO 9001 : 2015
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ISO 45001 : 2018
Certified Company

TEST REPORT
(AMBIENT NOISE LEVEL MONITORING)

Test Report No.	:	KCL/N04/02/25/001	Date Of Report:	28/02/2025
Name & Add. Of Industries	:	M/s. Kutch Copper Ltd.		
	:	Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Location of Monitoring	:	Main Gate, KCTL		
Latitude	:	22.833832	Longitude	: 69.583024
Date of Monitoring	:	14/02/2025		

➤ **Details of Instrument Used for Monitoring.**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/SLM/09E	Sound Level Meter	311 DTK 2015	16/12/2024	15/12/2025

➤ **Result :**

Sr. No.	Hour	Noise Level Leq. dB(A)	Hour	Noise Level Leq. dB(A)
		Day Time		Night Time
1.	06:00 to 07:00	59.2	22:00 to 23:00	56.3
2.	07:00 to 08:00	57.4	23:00 to 24:00	54.8
3.	08:00 to 09:00	58.7	24:00 to 01:00	54.4
4.	09:00 to 10:00	55.8	01:00 to 02:00	53.2
5.	10:00 to 11:00	53.6	02:00 to 03:00	51.8
6.	11:00 to 12:00	55.8	03:00 to 04:00	47.1
7.	12:00 to 13:00	58.1	04:00 to 05:00	48.5
8.	13:00 to 14:00	57.9	05:00 to 06:00	46.3
9.	14:00 to 15:00	56.4	Average	51.5
10.	15:00 to 16:00	60.3		56.3
11.	16:00 to 17:00	55.6		46.3
12.	17:00 to 18:00	57.4		
13.	18:00 to 19:00	53.5	Category of Area/Zone	Limit in dB (A) Leq
14.	19:00 to 20:00	56.7		
15.	20:00 to 21:00	58.3		
16.	21:00 to 22:00	57.5		
Average		57.0	Industrial area	75
Maximum		60.3	Residential area	55
Minimum		53.5		45

Note: Ambient Air Quality Standards in respected of Noise as per CPCB.

Remarks:

Opinion & Interpretation (if required):

***** End of Report *****

Checked By:


Pooja S. Gandhi
(Sr. Chemist)
Page No.: 1 of 1

Authorized By:


Jaivik S. Tandel
(Manager - Operations)
UERL/AIR/F-18/03

Note: This report is subject to Terms and Conditions mentioned overleaf.



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GPCB Recognized Environmental
Auditor (Schedule-11)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

TEST REPORT
(AMBIENT NOISE LEVEL MONITORING)

Test Report No.	: KCL/N05/02/25/001	Date Of Report:	28/02/2025
Name & Add. Of Industries	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Location of Monitoring	Shiracha Village		
Latitude	: 22.844966	Longitude	: 69.571543
Date of Monitoring	17/02/2025		

➤ **Details of Instrument Used for Monitoring.**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/SLM/09E	Sound Level Meter	311 DTK 2015	16/12/2024	15/12/2025

➤ **Result :**

Sr. No.	Hour	Noise Level Leq. dB(A)	Hour	Noise Level Leq. dB(A)											
		Day Time		Night Time											
1.	06:00 to 07:00	55.6	22:00 to 23:00	48.1											
2.	07:00 to 08:00	55.8	23:00 to 24:00	46.8											
3.	08:00 to 09:00	54.3	24:00 to 01:00	47.8											
4.	09:00 to 10:00	53.6	01:00 to 02:00	46.4											
5.	10:00 to 11:00	55.7	02:00 to 03:00	45.7											
6.	11:00 to 12:00	57.2	03:00 to 04:00	42.8											
7.	12:00 to 13:00	56.4	04:00 to 05:00	41.7											
8.	13:00 to 14:00	55.2	05:00 to 06:00	43.2											
9.	14:00 to 15:00	53.8	Average	45.3											
10.	15:00 to 16:00	51.4	Maximum	48.1											
11.	16:00 to 17:00	55.4	Minimum	41.7											
12.	17:00 to 18:00	52.6	<table><tr><th rowspan="2">Category of Area/Zone</th><th colspan="2">Limit in dB (A) Leq</th></tr><tr><th>Day Time (6:00 am to 10:00 pm)</th><th>Night Time (10:00 pm to 6:00 am)</th></tr><tr><td>Industrial area</td><td>75</td><td>70</td></tr><tr><td>Residential area</td><td>55</td><td>45</td></tr></table>		Category of Area/Zone	Limit in dB (A) Leq		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	Industrial area	75	70	Residential area	55	45
Category of Area/Zone	Limit in dB (A) Leq														
	Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)													
Industrial area	75	70													
Residential area	55	45													
13.	18:00 to 19:00	50.8													
14.	19:00 to 20:00	50.3													
15.	20:00 to 21:00	49.6													
16.	21:00 to 22:00	46.5													
Average		53.3													
Maximum		57.2													
Minimum		46.5													

Note: Ambient Air Quality Standards in respected of Noise as per CPCB.

Remarks:
Opinion & Interpretation (if required):

***** End of Report *****

Checked By:



Pooja S. Gandhi
(Sr. Chemist)

Page No.: 1 of 1

Authorized By:



Jaivik S. Tandel
(Manager - Operations)
UERL/AIR/F-18/03

Note: This report is subject to Terms and Conditions mentioned overleaf.



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GPCB Recognized Environmental
Auditor (Schedule-II)

ISO 9001 : 2015
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ISO 45001 : 2018
Certified Company

TEST REPORT
(AMBIENT NOISE LEVEL MONITORING)

Test Report No.	:	KCL/N06/02/25/001	Date Of Report:	28/02/2025
Name & Add. Of Industries	:	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Location of Monitoring	:	Wandh Village		
Latitude	:	22.81156	Longitude	: 69.54114
Date of Monitoring	:	20/02/2025		

➤ **Details of Instrument Used for Monitoring.**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/SLM/09E	Sound Level Meter	311 DTK 2015	16/12/2024	15/12/2025

➤ **Result :**

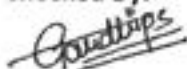
Sr. No.	Hour	Noise Level Leq. dB(A)	Hour	Noise Level Leq. dB(A)											
		Day Time		Night Time											
1.	06:00 to 07:00	52.1	22:00 to 23:00	46.3											
2.	07:00 to 08:00	54.3	23:00 to 24:00	47.6											
3.	08:00 to 09:00	50.6	24:00 to 01:00	45.2											
4.	09:00 to 10:00	48.5	01:00 to 02:00	43.5											
5.	10:00 to 11:00	49.3	02:00 to 03:00	44.9											
6.	11:00 to 12:00	47.8	03:00 to 04:00	43.2											
7.	12:00 to 13:00	45.6	04:00 to 05:00	42.4											
8.	13:00 to 14:00	47.3	05:00 to 06:00	42.6											
9.	14:00 to 15:00	49.3	Average	44.4											
10.	15:00 to 16:00	48.1	Maximum	47.6											
11.	16:00 to 17:00	52.3	Minimum	42.4											
12.	17:00 to 18:00	53.1	<table><tr><th rowspan="2">Category of Area/Zone</th><th colspan="2">Limit in dB (A) Leq</th></tr><tr><th>Day Time (6:00 am to 10:00 pm)</th><th>Night Time (10:00 pm to 6:00 am)</th></tr><tr><td>Industrial area</td><td>75</td><td>70</td></tr><tr><td>Residential area</td><td>55</td><td>45</td></tr></table>		Category of Area/Zone	Limit in dB (A) Leq		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	Industrial area	75	70	Residential area	55	45
Category of Area/Zone	Limit in dB (A) Leq														
	Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)													
Industrial area	75	70													
Residential area	55	45													
13.	18:00 to 19:00	48.3													
14.	19:00 to 20:00	47.2													
15.	20:00 to 21:00	44.2													
16.	21:00 to 22:00	45.7													
Average		48.9													
Maximum		54.3													
Minimum		44.2													

Note: Ambient Air Quality Standards in respected of Noise as per CPCB.

Remarks:
Opinion & Interpretation (if required):

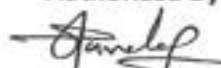
***** End of Report *****

Checked By:



Pooja S. Gandhi
(Sr. Chemist)
Page No.: 1 of 1

Authorized By:



Jaivik S. Tandel
(Manager - Operations)
UERL/AIR/F-18/03

Note: This report is subject to Terms and Conditions mentioned overleaf.



QCI-NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-11)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

TEST REPORT
(AMBIENT NOISE LEVEL MONITORING)

Test Report No.	: KCL/N07/02/25/001	Date Of Report:	28/02/2025
Name & Add. Of Industries	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Location of Monitoring	Navinal Village		
Latitude	: 22.837088	Longitude	: 69.579112
Date of Monitoring	: 24/02/2025		

➤ **Details of Instrument Used for Monitoring.**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/SLM/09E	Sound Level Meter	311 DTK 2015	16/12/2024	15/12/2025

➤ **Result :**

Sr. No.	Hour	Noise Level Leq. dB(A)	Hour	Noise Level Leq. dB(A)											
		Day Time		Night Time											
1.	06:00 to 07:00	48.7	22:00 to 23:00	44.8											
2.	07:00 to 08:00	50.6	23:00 to 24:00	44.3											
3.	08:00 to 09:00	48.3	24:00 to 01:00	42.8											
4.	09:00 to 10:00	51.3	01:00 to 02:00	44.7											
5.	10:00 to 11:00	54.6	02:00 to 03:00	43.6											
6.	11:00 to 12:00	55.7	03:00 to 04:00	41.5											
7.	12:00 to 13:00	53.2	04:00 to 05:00	43.5											
8.	13:00 to 14:00	50.7	05:00 to 06:00	41.3											
9.	14:00 to 15:00	51.3	Average	43.3											
10.	15:00 to 16:00	47.5	Maximum	44.8											
11.	16:00 to 17:00	49.7	Minimum	41.3											
12.	17:00 to 18:00	51.4	<table><tr><th rowspan="2">Category of Area/Zone</th><th colspan="2">Limit in dB (A) Leq</th></tr><tr><th>Day Time (6:00 am to 10:00 pm)</th><th>Night Time (10:00 pm to 6:00 am)</th></tr><tr><td>Industrial area</td><td>75</td><td>70</td></tr><tr><td>Residential area</td><td>55</td><td>45</td></tr></table>		Category of Area/Zone	Limit in dB (A) Leq		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	Industrial area	75	70	Residential area	55	45
Category of Area/Zone	Limit in dB (A) Leq														
	Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)													
Industrial area	75	70													
Residential area	55	45													
13.	18:00 to 19:00	47.5													
14.	19:00 to 20:00	49.5													
15.	20:00 to 21:00	46.5													
16.	21:00 to 22:00	43.6													
Average		50.0													
Maximum		55.7													
Minimum		43.6													

Note: Ambient Air Quality Standards in respected of Noise as per CPCB.

Remarks:
Opinion & Interpretation (if required):

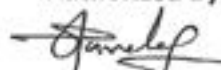
***** End of Report *****

Checked By:



Pooja S. Gandhi
(Sr. Chemist)
Page No.: 1 of 1

Authorized By:



Jaivik S. Tandel
(Manager - Operations)
UERL/AIR/F-18/03

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QCI-NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-11)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

TEST REPORT
(AMBIENT NOISE LEVEL MONITORING)

Test Report No.	: KCL/N01/03/25/001	Date Of Report:	31/03/2025
Name & Add. Of Industries	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Location of Monitoring	KCL Complex (South Gate)		
Latitude	: 22.815909	Longitude	: 69.58602
Date of Monitoring	: 11/03/2025		

➤ **Details of Instrument Used for Monitoring.**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/SLM/09E	Sound Level Meter	311 DTK 2015	16/12/2024	15/12/2025

➤ **Result :**

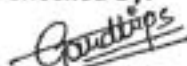
Sr. No.	Hour	Noise Level Leq. dB(A)	Hour	Noise Level Leq. dB(A)											
		Day Time		Night Time											
1.	06:00 to 07:00	52.7	22:00 to 23:00	51.8											
2.	07:00 to 08:00	53.9	23:00 to 24:00	51.3											
3.	08:00 to 09:00	56.4	24:00 to 01:00	48.3											
4.	09:00 to 10:00	55.3	01:00 to 02:00	46.5											
5.	10:00 to 11:00	56.9	02:00 to 03:00	47.5											
6.	11:00 to 12:00	58.4	03:00 to 04:00	44.9											
7.	12:00 to 13:00	56.4	04:00 to 05:00	43.7											
8.	13:00 to 14:00	62.3	05:00 to 06:00	43.2											
9.	14:00 to 15:00	63.1	Average	47.1											
10.	15:00 to 16:00	58.4	Maximum	51.8											
11.	16:00 to 17:00	59.2	Minimum	43.2											
12.	17:00 to 18:00	57.1	<table><tr><th rowspan="2">Category of Area/Zone</th><th colspan="2">Limit in dB (A) Leq</th></tr><tr><th>Day Time (6:00 am to 10:00 pm)</th><th>Night Time (10:00 pm to 6:00 am)</th></tr><tr><td>Industrial area</td><td>75</td><td>70</td></tr><tr><td>Residential area</td><td>55</td><td>45</td></tr></table>		Category of Area/Zone	Limit in dB (A) Leq		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	Industrial area	75	70	Residential area	55	45
Category of Area/Zone	Limit in dB (A) Leq														
	Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)													
Industrial area	75	70													
Residential area	55	45													
13.	18:00 to 19:00	54.3													
14.	19:00 to 20:00	52.9													
15.	20:00 to 21:00	54.1													
16.	21:00 to 22:00	53.8													
Average		56.5													
Maximum		63.1													
Minimum		52.7													

Note: Ambient Air Quality Standards in respected of Noise as per CPCB.

Remarks:
Opinion & Interpretation (if required):

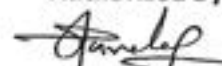
***** End of Report *****

Checked By:



Pooja S. Gandhi
(Sr. Chemist)
Page No.: 1 of 1

Authorized By:



Jaivik S. Tandel
(Manager - Operations)
UERL/AIR/F-18/03

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QCI-NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-11)

ISO 9001 : 2015
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ISO 45001 : 2018
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TEST REPORT
(AMBIENT NOISE LEVEL MONITORING)

Test Report No.	: KCL/N02/03/25/001	Date Of Report:	31/03/2025
Name & Add. Of Industries	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Location of Monitoring	KCL Complex (Near ETP)		
Latitude	: 22.824985	Longitude	: 69.575942
Date of Monitoring	: 11/03/2025		

➤ **Details of Instrument Used for Monitoring.**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/SLM/09E	Sound Level Meter	311 DTK 2015	16/12/2024	15/12/2025

➤ **Result :**

Sr. No.	Hour	Noise Level Leq. dB(A)	Hour	Noise Level Leq. dB(A)
		Day Time		Night Time
1.	06:00 to 07:00	59.1	22:00 to 23:00	54.3
2.	07:00 to 08:00	58.3	23:00 to 24:00	55.8
3.	08:00 to 09:00	62.3	24:00 to 01:00	53.2
4.	09:00 to 10:00	64.3	01:00 to 02:00	51.8
5.	10:00 to 11:00	63.2	02:00 to 03:00	51.7
6.	11:00 to 12:00	62.9	03:00 to 04:00	48.4
7.	12:00 to 13:00	64.7	04:00 to 05:00	47.2
8.	13:00 to 14:00	66.1	05:00 to 06:00	45.6
9.	14:00 to 15:00	65.8	Average Maximum Minimum	51.0
10.	15:00 to 16:00	64.2		55.8
11.	16:00 to 17:00	66.2		45.6
12.	17:00 to 18:00	63.1		
13.	18:00 to 19:00	60.8	Category of Area/Zone	Limit in dB (A) Leq Day Time (6:00 am to 10:00 pm) Night Time (10:00 pm to 6:00 am)
14.	19:00 to 20:00	59.5		
15.	20:00 to 21:00	61.2		
16.	21:00 to 22:00	57.4		
Average		62.4	Industrial area	75
Maximum		66.2	Residential area	55
Minimum		57.4	Sampling Method	
			IS : 9989 : 1981	

Note: Ambient Air Quality Standards in respected of Noise as per CPCB.

Remarks:
Opinion & Interpretation (if required):

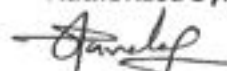
***** End of Report *****

Checked By:



Pooja S. Gandhi
(Sr. Chemist)
Page No.: 1 of 1

Authorized By:



Jaivik S. Tandel
(Manager - Operations)
UERL/AIR/F-18/03

Note: This report is subject to Terms and Conditions mentioned overleaf.



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Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-11)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

TEST REPORT
(AMBIENT NOISE LEVEL MONITORING)

Test Report No.	: KCL/N03/03/25/001	Date Of Report:	31/03/2025
Name & Add. Of Industries	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Location of Monitoring	KCL Complex (Admin Building)		
Latitude	: 22.827180	Longitude	: 69.582640
Date of Monitoring	: 11/03/2025		

➤ **Details of Instrument Used for Monitoring.**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/SLM/09E	Sound Level Meter	311 DTK 2015	16/12/2024	15/12/2025

➤ **Result :**

Sr. No.	Hour	Noise Level Leq. dB(A)	Hour	Noise Level Leq. dB(A)
		Day Time		Night Time
1.	06:00 to 07:00	51.7	22:00 to 23:00	49.1
2.	07:00 to 08:00	52.9	23:00 to 24:00	51.3
3.	08:00 to 09:00	54.3	24:00 to 01:00	50.4
4.	09:00 to 10:00	58.1	01:00 to 02:00	48.6
5.	10:00 to 11:00	55.4	02:00 to 03:00	46.7
6.	11:00 to 12:00	56.7	03:00 to 04:00	45.5
7.	12:00 to 13:00	57.3	04:00 to 05:00	43.2
8.	13:00 to 14:00	53.2	05:00 to 06:00	43.1
9.	14:00 to 15:00	56.4	Average	47.2
10.	15:00 to 16:00	56.8		51.3
11.	16:00 to 17:00	58.1		43.1
12.	17:00 to 18:00	56.4		
13.	18:00 to 19:00	53.2	Category of Area/Zone	Limit in dB (A) Leq Day Time (6:00 am to 10:00 pm) Night Time (10:00 pm to 6:00 am)
14.	19:00 to 20:00	55.6		
15.	20:00 to 21:00	53.8		
16.	21:00 to 22:00	50.8		
Average		55.0	Industrial area	75
Maximum		58.1	Residential area	55
Minimum		50.8		45

Note: Ambient Air Quality Standards in respected of Noise as per CPCB.

Remarks:

Opinion & Interpretation (if required):

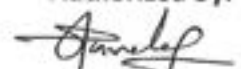
***** End of Report *****

Checked By:



Pooja S. Gandhi
(Sr. Chemist)
Page No.: 1 of 1

Authorized By:



Jaivik S. Tandel
(Manager - Operations)
UERL/AIR/F-18/03

Note: This report is subject to Terms and Conditions mentioned overleaf.



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TEST REPORT
(AMBIENT NOISE LEVEL MONITORING)

Test Report No.	: KCL/N04/03/25/001	Date Of Report:	31/03/2025
Name & Add. Of Industries	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Location of Monitoring	Main Gate, KCTL		
Latitude	: 22.833832	Longitude	: 69.583024
Date of Monitoring	: 11/03/2025		

➤ **Details of Instrument Used for Monitoring.**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/SLM/09E	Sound Level Meter	311 DTK 2015	16/12/2024	15/12/2025

➤ **Result :**

Sr. No.	Hour	Noise Level Leq. dB(A)	Hour	Noise Level Leq. dB(A)
		Day Time		Night Time
1.	06:00 to 07:00	57.8	22:00 to 23:00	54.3
2.	07:00 to 08:00	57.9	23:00 to 24:00	52.8
3.	08:00 to 09:00	59.3	24:00 to 01:00	53.7
4.	09:00 to 10:00	58.4	01:00 to 02:00	52.3
5.	10:00 to 11:00	57.2	02:00 to 03:00	50.8
6.	11:00 to 12:00	56.9	03:00 to 04:00	49.6
7.	12:00 to 13:00	57.8	04:00 to 05:00	49.1
8.	13:00 to 14:00	60.2	05:00 to 06:00	46.3
9.	14:00 to 15:00	63.1	Average	51.1
10.	15:00 to 16:00	58.3		54.3
11.	16:00 to 17:00	57.7		46.3
12.	17:00 to 18:00	57.4	Category of Area/Zone	Limit in dB (A) Leq Day Time (6:00 am to 10:00 pm) Night Time (10:00 pm to 6:00 am)
13.	18:00 to 19:00	55.1		
14.	19:00 to 20:00	55.8		
15.	20:00 to 21:00	56.1		
16.	21:00 to 22:00	54.7		
	Average	57.7		
	Maximum	63.1	Industrial area	75
	Minimum	54.7		
			Residential area	55
				45

Note: Ambient Air Quality Standards in respected of Noise as per CPCB.

Remarks:
Opinion & Interpretation (if required):

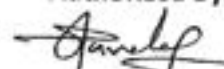
***** End of Report *****

Checked By:



Pooja S. Gandhi
(Sr. Chemist)
Page No.: 1 of 1

Authorized By:



Jaivik S. Tandel
(Manager - Operations)
UERL/AIR/F-18/03

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 ISO 9001 : 2015
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 ISO 45001 : 2018
 Certified Company

TEST REPORT (AMBIENT NOISE LEVEL MONITORING)

Test Report No.	:	KCL/N05/03/25/001	Date Of Report:	31/03/2025
Name & Add. Of Industries	:	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Location of Monitoring	:	Shiracha Village		
Latitude	:	22.844966	Longitude	: 69.571543
Date of Monitoring	:	21/03/2025		

➤ **Details of Instrument Used for Monitoring.**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/SLM/09E	Sound Level Meter	311 DTK 2015	16/12/2024	15/12/2025

➤ **Result :**

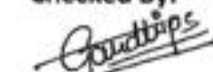
Sr. No.	Hour	Noise Level Leq. dB(A)	Hour	Noise Level Leq. dB(A)											
		Day Time		Night Time											
1.	06:00 to 07:00	54.6	22:00 to 23:00	45.2											
2.	07:00 to 08:00	56.1	23:00 to 24:00	44.6											
3.	08:00 to 09:00	55.6	24:00 to 01:00	41.8											
4.	09:00 to 10:00	55.4	01:00 to 02:00	40.4											
5.	10:00 to 11:00	57.8	02:00 to 03:00	43.2											
6.	11:00 to 12:00	54.3	03:00 to 04:00	41.6											
7.	12:00 to 13:00	56.8	04:00 to 05:00	44.5											
8.	13:00 to 14:00	57.1	05:00 to 06:00	43.8											
9.	14:00 to 15:00	55.2	Average	43.1											
10.	15:00 to 16:00	53.3	Maximum	45.2											
11.	16:00 to 17:00	54.5	Minimum	40.4											
12.	17:00 to 18:00	53.2	<table><tr><th rowspan="2">Category of Area/Zone</th><th colspan="2">Limit in dB (A) Leq</th></tr><tr><th>Day Time (6:00 am to 10:00 pm)</th><th>Night Time (10:00 pm to 6:00 am)</th></tr><tr><td>Industrial area</td><td>75</td><td>70</td></tr><tr><td>Residential area</td><td>55</td><td>45</td></tr></table>		Category of Area/Zone	Limit in dB (A) Leq		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	Industrial area	75	70	Residential area	55	45
Category of Area/Zone	Limit in dB (A) Leq														
	Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)													
Industrial area	75	70													
Residential area	55	45													
13.	18:00 to 19:00	52.8													
14.	19:00 to 20:00	50.3													
15.	20:00 to 21:00	47.3													
16.	21:00 to 22:00	46.5													
Average		53.8													
Maximum		57.8													
Minimum		46.5													

Note: Ambient Air Quality Standards in respected of Noise as per CPCB.

Remarks:
Opinion & Interpretation (if required):

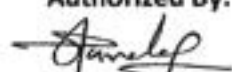
***** End of Report *****

Checked By:



Pooja S. Gandhi
(Sr. Chemist)
Page No.: 1 of 1

Authorized By:



Jaivik S. Tandel
(Manager - Operations)
UERL/AIR/F-18/03

Note: This report is subject to Terms and Conditions mentioned overleaf.


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 ISO 9001 : 2015
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 ISO 45001 : 2018
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TEST REPORT (AMBIENT NOISE LEVEL MONITORING)

Test Report No.	:	KCL/N06/03/25/001	Date Of Report:	31/03/2025
Name & Add. Of Industries	:	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Location of Monitoring	:	Wandh Village		
Latitude	:	22.81156	Longitude	: 69.54114
Date of Monitoring	:	27/03/2025		

➤ Details of Instrument Used for Monitoring.

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/SLM/09E	Sound Level Meter	311 DTK 2015	16/12/2024	15/12/2025

➤ Result :

Sr. No.	Hour	Noise Level Leq. dB(A)	Hour	Noise Level Leq. dB(A)											
		Day Time		Night Time											
1.	06:00 to 07:00	52.8	22:00 to 23:00	46.9											
2.	07:00 to 08:00	55.4	23:00 to 24:00	46.1											
3.	08:00 to 09:00	53.8	24:00 to 01:00	45.6											
4.	09:00 to 10:00	56.2	01:00 to 02:00	43.5											
5.	10:00 to 11:00	54.8	02:00 to 03:00	42.8											
6.	11:00 to 12:00	52.7	03:00 to 04:00	40.1											
7.	12:00 to 13:00	53.6	04:00 to 05:00	42.5											
8.	13:00 to 14:00	51.2	05:00 to 06:00	41.7											
9.	14:00 to 15:00	53.9	Average	43.6											
10.	15:00 to 16:00	50.8	Maximum	46.9											
11.	16:00 to 17:00	53.4	Minimum	40.1											
12.	17:00 to 18:00	51.8	<table><tr><th rowspan="2">Category of Area/Zone</th><th colspan="2">Limit in dB (A) Leq</th></tr><tr><th>Day Time (6:00 am to 10:00 pm)</th><th>Night Time (10:00 pm to 6:00 am)</th></tr><tr><td>Industrial area</td><td>75</td><td>70</td></tr><tr><td>Residential area</td><td>55</td><td>45</td></tr></table>	Category of Area/Zone	Limit in dB (A) Leq		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	Industrial area	75	70	Residential area	55	45	
Category of Area/Zone	Limit in dB (A) Leq														
	Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)													
Industrial area	75	70													
Residential area	55	45													
13.	18:00 to 19:00	50.6													
14.	19:00 to 20:00	47.2													
15.	20:00 to 21:00	47.9													
16.	21:00 to 22:00	45.3													
Average		51.9													
Maximum		56.2													
Minimum		45.3													

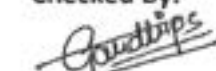
Note: Ambient Air Quality Standards in respected of Noise as per CPCB.

Remarks:

Opinion & Interpretation (if required):

***** End of Report *****

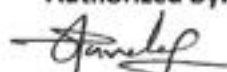
Checked By:



Pooja S. Gandhi
(Sr. Chemist)

Page No.: 1 of 1

Authorized By:



Jaivik S. Tandel
(Manager - Operations)
UERL/AIR/F-18/03

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Consultant Organization

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Auditor (Schedule-11)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

TEST REPORT
(AMBIENT NOISE LEVEL MONITORING)

Test Report No.	:	KCL/N07/03/25/001	Date Of Report:	31/03/2025
Name & Add. Of Industries	:	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Location of Monitoring	:	Navinal Village		
Latitude	:	22.837088	Longitude	: 69.579112
Date of Monitoring	:	28/03/2025		

➤ **Details of Instrument Used for Monitoring.**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/SLM/09E	Sound Level Meter	311 DTK 2015	16/12/2024	15/12/2025

➤ **Result :**

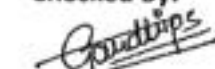
Sr. No.	Hour	Noise Level Leq. dB(A)	Hour	Noise Level Leq. dB(A)											
		Day Time		Night Time											
1.	06:00 to 07:00	49.1	22:00 to 23:00	45.6											
2.	07:00 to 08:00	51.3	23:00 to 24:00	45.8											
3.	08:00 to 09:00	52.7	24:00 to 01:00	44.5											
4.	09:00 to 10:00	49.8	01:00 to 02:00	45.1											
5.	10:00 to 11:00	51.7	02:00 to 03:00	44.2											
6.	11:00 to 12:00	54.3	03:00 to 04:00	43.7											
7.	12:00 to 13:00	55.1	04:00 to 05:00	42.7											
8.	13:00 to 14:00	53.2	05:00 to 06:00	43.1											
9.	14:00 to 15:00	54.9	Average	44.3											
10.	15:00 to 16:00	51.2	Maximum	45.8											
11.	16:00 to 17:00	52.8	Minimum	42.7											
12.	17:00 to 18:00	49.7	<table><tr><th rowspan="2">Category of Area/Zone</th><th colspan="2">Limit in dB (A) Leq</th></tr><tr><th>Day Time (6:00 am to 10:00 pm)</th><th>Night Time (10:00 pm to 6:00 am)</th></tr><tr><td>Industrial area</td><td>75</td><td>70</td></tr><tr><td>Residential area</td><td>55</td><td>45</td></tr></table>		Category of Area/Zone	Limit in dB (A) Leq		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	Industrial area	75	70	Residential area	55	45
Category of Area/Zone	Limit in dB (A) Leq														
	Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)													
Industrial area	75	70													
Residential area	55	45													
13.	18:00 to 19:00	48.6													
14.	19:00 to 20:00	50.3													
15.	20:00 to 21:00	48.1													
16.	21:00 to 22:00	44.8													
Average		51.1													
Maximum		55.1													
Minimum		44.8													

Note: Ambient Air Quality Standards in respected of Noise as per CPCB.

Remarks:
Opinion & Interpretation (if required):

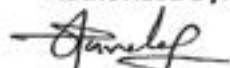
***** End of Report *****

Checked By:



Pooja S. Gandhi
(Sr. Chemist)
Page No.: 1 of 1

Authorized By:



Jaivik S. Tandel
(Manager - Operations)
UERL/AIR/F-18/03

Note: This report is subject to Terms and Conditions mentioned overleaf.

**FUGITIVE EMISSION
MONITORING REPORTS
(October 2024 – March 2025)**



QCI-NABET Accredited EIA
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ISO 9001 : 2015
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TEST REPORT
(FUGITIVE EMISSION AIR MONITORING)

Test Report No.:	KCL/FEM/02/25/001	Report Issue Date	28/02/2025
Name & Add. of Customer	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Dates of Sampling :	17/02/2025		
Date of Testing	18/02/2025		
Location of Sampling / Monitoring:	Utility Area (Near ASU)		

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
Handy Sampler (02)	Handy Sampler	1039-DTJ-2021	17/12/2024	16/12/2025

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit	Result	Test Method
1.	Sulphur Dioxide as SO ₂	µg/m ³	7.0	IS - 5182, Part - 2



Remarks:

Opinion & Interpretation (if required):

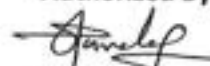
***** End of Report *****

Checked By:



Pooja S. Gandhi
(Sr. Chemist)
Page No.: 1 of 1

Authorized By:



Jaivik S. Tandel
(Manager - Operations)
UERL/AIR/F-80/00

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ISO 9001 : 2015
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ISO 45001 : 2018
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TEST REPORT
(FUGITIVE EMISSION AIR MONITORING)

Test Report No.:	KCL/FEM/02/25/001	Report Issue Date	28/02/2025
Name & Add. of Customer	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Dates of Sampling :	17/02/2025		
Date of Testing	18/02/2025		
Location of Sampling / Monitoring:	Utility Area (Near ASU)		

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Call. Date	Next Cali. Date
Handy Sampler (02)	Handy Sampler	1039-DTJ-2021	17/12/2024	16/12/2025

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit	Result	Test Method
1.	Dust	µg/m ³	349	NIOSH 0500



Remarks:

Opinion & Interpretation (if required):

***** End of Report *****

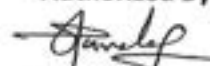
Checked By:



Pooja S. Gandhi
(Sr. Chemist)

Page No.: 1 of 1

Authorized By:



Jaivik S. Tandel
(Manager - Operations)
UERL/AIR/F-80/00

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CIN: U73100GJ2007PTC051463



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ISO 45001 : 2018
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TEST REPORT
(FUGITIVE EMISSION AIR MONITORING)

Test Report No.:	KCL/FEM/02/25/002	Report Issue Date	28/02/2025
Name & Add. of Customer	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Dates of Sampling :	18/02/2025		
Date of Testing	19/02/2025		
Location of Sampling / Monitoring:	Raw Material Handling Area (Near Admin Block)		

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
Handy Sampler (02)	Handy Sampler	1039-DTJ-2021	17/12/2024	16/12/2025

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit	Result	Test Method
1.	Sulphur Dioxide as SO ₂	µg/m ³	7.9	IS - 5182, Part - 2



Remarks:

Opinion & Interpretation (if required):

***** End of Report *****

Checked By:



Pooja S. Gandhi
(Sr. Chemist)
Page No.: 1 of 1

Authorized By:



Jaivik S. Tandel
(Manager - Operations)
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TEST REPORT
(FUGITIVE EMISSION AIR MONITORING)

Test Report No.:	KCL/FEM/02/25/002	Report Issue Date	28/02/2025
Name & Add. of Customer	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Dates of Sampling :	18/02/2025		
Date of Testing	19/02/2025		
Location of Sampling / Monitoring:	Raw Material Handling Area (Near Admin Block)		

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
Handy Sampler (02)	Handy Sampler	1039-DTJ-2021	17/12/2024	16/12/2025

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit	Result	Test Method
1.	Dust	µg/m ³	389	NIOSH 0500

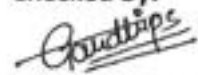


Remarks:

Opinion & Interpretation (if required):

***** End of Report *****

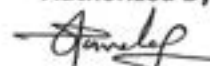
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TEST REPORT
(FUGITIVE EMISSION AIR MONITORING)

Test Report No.:	KCL/FEM/02/25/003	Report Issue Date	28/02/2025
Name & Add. of Customer	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Dates of Sampling :	19/02/2025		
Date of Testing	20/02/2025		
Location of Sampling / Monitoring:	SLF (Near up stream side)		

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
Handy Sampler (02)	Handy Sampler	1039-DTJ-2021	17/12/2024	16/12/2025

➤ **Test Parameter Results**

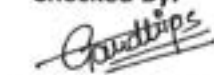
Sr. No.	Test Parameter	Unit	Result	Test Method
1.	Sulphur Dioxide as SO ₂	µg/m ³	6.3	IS - 5182, Part - 2



Remarks:
Opinion & Interpretation (if required):

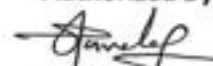
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TEST REPORT
(FUGITIVE EMISSION AIR MONITORING)

Test Report No.:	KCL/FEM/02/25/003	Report Issue Date	28/02/2025
Name & Add. of Customer	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Dates of Sampling :	19/02/2025		
Date of Testing	20/02/2025		
Location of Sampling / Monitoring:	SLF (Near up stream side)		

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
Handy Sampler (02)	Handy Sampler	1039-DTJ-2021	17/12/2024	16/12/2025

➤ **Test Parameter Results**

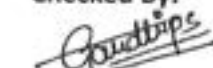
Sr. No.	Test Parameter	Unit	Result	Test Method
1.	Dust	µg/m ³	229	NIOSH 0500



Remarks:
Opinion & Interpretation (if required):

***** End of Report *****

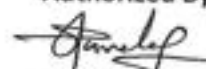
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TEST REPORT
(FUGITIVE EMISSION AIR MONITORING)

Test Report No.:	KCL/FEM/02/25/004	Report Issue Date	28/02/2025
Name & Add. of Customer	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Dates of Sampling :	20/02/2025		
Date of Testing	21/02/2025		
Location of Sampling / Monitoring:	CRP (Near Cell House)		

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
Handy Sampler (02)	Handy Sampler	1039-DTJ-2021	17/12/2024	16/12/2025

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit	Result	Test Method
1.	Sulphur Dioxide as SO ₂	µg/m ³	5.6	IS - 5182, Part - 2

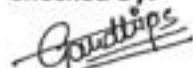


Remarks:

Opinion & Interpretation (if required):

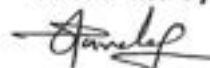
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TEST REPORT
(FUGITIVE EMISSION AIR MONITORING)

Test Report No.:	KCL/FEM/02/25/004	Report Issue Date	28/02/2025
Name & Add. of Customer	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Dates of Sampling :	20/02/2025		
Date of Testing	21/02/2025		
Location of Sampling / Monitoring:	CRP (Near Cell House)		

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
Handy Sampler (02)	Handy Sampler	1039-DTJ-2021	17/12/2024	16/12/2025

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit	Result	Test Method
1.	Dust	µg/m ³	146	NIOSH 0500

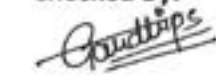


Remarks:

Opinion & Interpretation (if required):

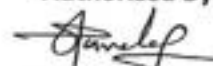
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TEST REPORT
(FUGITIVE EMISSION AIR MONITORING)

Test Report No.:	KCL/FEM/02/25/005	Report Issue Date	28/02/2025
Name & Add. of Customer	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Dates of Sampling :	21/02/2025		
Date of Testing	22/02/2025		
Location of Sampling / Monitoring:	CCR (Near Copper Coil Handling Area)		

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
Handy Sampler (02)	Handy Sampler	1039-DTJ-2021	17/12/2024	16/12/2025

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit	Result	Test Method
1.	Sulphur Dioxide as SO ₂	µg/m ³	6.5	IS - 5182, Part - 2



Remarks:

Opinion & Interpretation (if required):

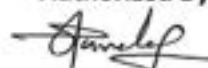
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TEST REPORT
(FUGITIVE EMISSION AIR MONITORING)

Test Report No.:	KCL/FEM/02/25/005	Report Issue Date	28/02/2025
Name & Add. of Customer	M/s. Kutch Copper Ltd. Plot No. 1, Sector 04N, S. No. 295/Paiki 6/Paiki 2, 138/1. 140, Mundra, Kutch, Gujarat 370421, INDIA.		
Dates of Sampling :	21/02/2025		
Date of Testing	22/02/2025		
Location of Sampling / Monitoring:	CCR (Near Copper Coil Handling Area)		

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
Handy Sampler (02)	Handy Sampler	1039-DTJ-2021	17/12/2024	16/12/2025

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit	Result	Test Method
1.	Dust	µg/m ³	297	NIOSH 0500

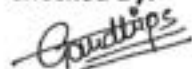


Remarks:

Opinion & Interpretation (if required):

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