



Ref: AEL/KCL/EMD/EC/MoEFCC/232/11/23  
Date 27.11.2023

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

**Sub: Six Monthly Compliance Status report on Environment Clearance for Greenfield Copper Refinery Plant (1.0 MTPA) project of Kutch Copper Limited located at Adani Ports and Special Economic Zone land in village(s) Siracha and Navinal, Taluka Mundra, District Kutch, Gujarat.**

**Ref: EC Letter No. J-11011/113/2016-IA.II(I) dated- 08.05.2020 and subsequent EC transfer letter dated 03.08.2021**

Dear Sir,

With reference to above subject, please find enclosed herewith Six-Monthly Environment Clearances (EC) Compliance Status Report along with environmental monitoring reports for the period of **April'2023 to September'2023** in soft copy (e-mail).

The major technology partners are onboarded, and civil & structural works are in progress. 132987 M3 of concrete have been poured. Approximately 30,000 MT structural steel fabrication works have been ordered and fabrication & erection work have completed 18455 MT & 10598 MT respectively. Delivery of imported equipment has started and approximately 52% equipment are received at Site and Erection work is in progress.

This is for your kind information & record please.

Thanking You.

Yours faithfully,

for **Kutch Copper Limited**

(Authorized Signatory)

Encl: as above

**Member Secretary**  
**Central Pollution Control Board**  
Parivesh Bhavan, East Arjun Nagar  
Kendriya Paryavaran Bhawan  
New Delhi- 110032

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

**Regional Officer**  
**Gujarat Pollution Control Board**  
Gandhidham, Kutch, Gujarat

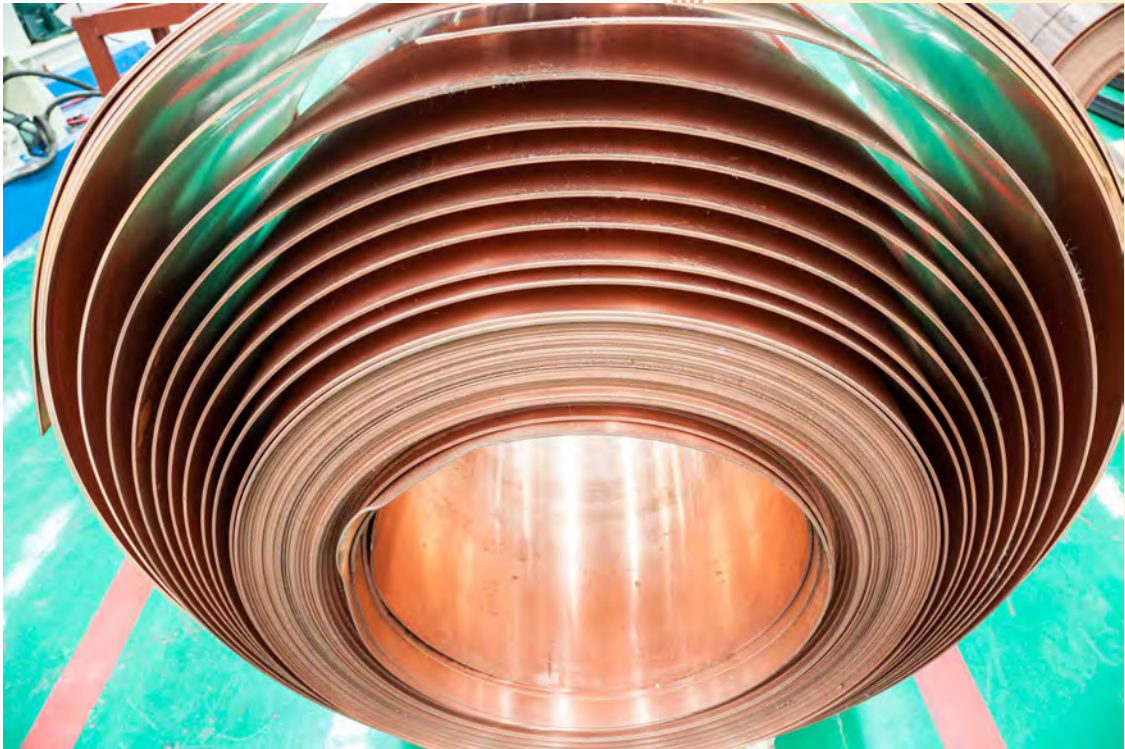
**Kutch Copper Limited**  
Adani Corporate House,  
Shantigram, Nr. Vaishno Devi Circle  
S G Highway, Khodiyar  
Ahmedabad 382421  
Gujarat India  
CIN: U14100GJ2021PLC121525

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For Period:  
**April'2023 to  
September'2023**

# 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:*

**ENVIRONMENT MANAGEMENT DEPARTMENT**

**Kutch Copper Limited**

**ADANI CORPORATE HOUSE, SHANTIGRAM,  
SG HIGHWAY AHMEDABAD- 382 421  
GUJARAT, INDIA**

## *For*

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

## *At*

**Notified APSEZ, Mundra  
Taluka, District Kutch,  
Gujarat**

## Kutch Copper Limited

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

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## **Kutch Copper Limited**

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

#### **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 APSEZ 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 21<sup>st</sup> 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-month site-specific baseline environmental data monitored during 1<sup>st</sup> October 2016 to 31<sup>st</sup> 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), dated 03.08.2021 and Consent to Establish (CTE-NOC) is already granted from GPCB on 22.09.2021.

The major technology partners are onboarded, and civil & structural works are in progress. 132987M<sup>3</sup> of concrete have been poured. Approximately 30,000 MT structural steel fabrication works have been ordered and fabrication & erection work have completed 18455 MT & 10598MT respectively. Delivery of imported equipment has started and approximately 52% equipment are received at Site and Erection work is in progress.

There is an Appeal in National Green Tribunal against the project vide Appeal No. 35/2020 (WZ).

## Kutch Copper Limited

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

### Compliance Status of Environmental Clearance

F. No. J-11011/113/2016-IA.II(I), dated: 08<sup>th</sup> May 2020 & 03<sup>rd</sup> Aug 2021

Sl. No.	Conditions of EC	Compliance Status
<b>I Statutory Compliance</b>		
(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 of 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.	a. Consent to Establish has been obtained from GPCB vide letter dt; <b>19.09.2021</b> . b. Consent to Operate will be obtained prior to the commencement of the plant operation.
(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.	Compliance assured, prior to the commencement of the plant operation activity.
<b>II Air quality monitoring and preservation</b>		
(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 <sup>th</sup> August 1990 and thereafter amended vide G.S.R 46 (E) dated 3 <sup>rd</sup> February 2006 (Aluminium); S.O. 3305 (E) dated 7 <sup>th</sup> December 2015 (Thermal Power	Compliance assured, prior to the commencement of the plant operation activity.

## Kutch Copper Limited

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

Sl. No.	Conditions of EC	Compliance Status
	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.	
(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.	Compliance assured, prior to the commencement of the plant operation activity. Necessary consideration taken in design of FGD & TGD to meet MOEF&CC norms.
(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.	Noted & will be complied prior to the commencement of the plant operation activity.
(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.	Compliance assured, post commencement of the plant operation activity.
(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.	Compliance assured, prior to the commencement of the plant operation activity. Necessary consideration taken in design of FGD & TGD to meet MOEF&CC norms.
(vi)	The project proponent shall provide leakage detection and mechanised bag cleaning facilities for better maintenance of bags	Noted & compliance assured. Bag filters are proposed to install
(vii)	Pollution control system in the plant shall be provided as per the CREP Guidelines of CPCB.	Compliance assured, prior to the commencement of the plant operation activity.
(viii)	Sufficient number of mobile or stationary vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.	Will be complied prior to the commencement of the plant operation activity.
(ix)	Ensure covered transportation and conveying of ore, coal and other raw material to prevent spillage and dust generation.	Compliance assured, prior to the commencement of the plant operation activity.

## Kutch Copper Limited

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

Sl. No.	Conditions of EC	Compliance Status
		Necessary design consideration has been taken to avoid the spillages and dust generation.
(x)	Adopt measures to recover fluoride gas from electrolytic cells and recycle the same in the process.	Not applicable and said condition amended in the EC
(xi)	Ventilation system shall be designed for adequate air changes as per ACGIB document for all tunnels, motor houses.	Will be complied prior to the commencement of the plant operation activity. Adequate ventilation system is being provided in the design.
<b>III</b>	<b>Water quality monitoring and preservation</b>	
(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 <sup>th</sup> August 1990 and further amended vide G.S.R 46 (E) dated 3 <sup>rd</sup> February 2006 (Aluminium); S.O. 3305 (E) dated 7 <sup>th</sup> 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.	Compliance assured, prior to the commencement of the plant operation activity.
(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	Compliance assured, prior to the commencement of the plant operation activity.
(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.	Noted & Compliance assured, prior to the commencement of the plant operation activity.
(iv)	Adhere to 'Zero Liquid Discharge'	Project is designed and will operate with 'Zero Liquid Discharge' (ZLD) and commencement before plant operation activity.

## Kutch Copper Limited

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

Sl. No.	Conditions of EC	Compliance Status
(v)	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.	Adequate Capacity of Sewage Treatment Plant will be provided for treatment of domestic wastewater to meet the prescribed standards and will be complied prior to the commencement of the plant operation activity.
(vi)	The project proponent shall practice rainwater harvesting to maximum possible extent.	Will be complied prior to the commencement of the plant operation activity.
(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.	Noted. Efforts will be made to minimise water consumption per unit of copper manufacturing.
<b>IV</b>	<b>Noise monitoring and prevention</b>	
(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.	Compliance assured, prior to the commencement of the plant operation activity.
(ii)	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz 75 dB(A) during daytime and 70 dB(A) during night time.	Compliance assured, prior to the commencement of the plant operation activity.
<b>V</b>	<b>Energy Conservation measures</b>	
(i)	The project proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases.	Will be complied prior to the commencement of the plant operation activity. In the Plant design has been taken to recover heat from the flue gases.
(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;	Compliance assured, prior to the commencement of the plant operation activity.
(iii)	Provide LED lights in their offices and residential areas.	Compliance assured, prior to the commencement of the plant operation activity.
<b>VI</b>	<b>Waste management</b>	
(i)	Used refractories shall be recycled as far as possible.	Compliance assured, post stabilisation of the plant operation activity.
(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.	Compliance assured, post stabilisation of the plant operation activity.



## Kutch Copper Limited

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

Sl. No.	Conditions of EC	Compliance Status
(iii)	The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.	Compliance assured, post commencement of the plant operation activity.
(iv)	Kitchen waste shall be composted or converted to biogas for further use.	Compliance assured, post commencement of the plant operation activity.
<b>VII</b>	<b>Green Belt</b>	
(i)	Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.	Noted & Compliance assured, once the project takes off. Plantation/green belt development is started in available area.
(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.	Will be complied post stabilisation of the plant operation activity.
<b>VIII</b>	<b>Public hearing and Human health issues</b>	
(i)	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Compliance assured, prior to the commencement of the plant operation activity.
(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.	Compliance assured, post stabilisation of the plant operation activity.
(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. has been provided for all the construction labours within the site.
(iv)	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Will be complied post stabilisation of the plant operation activity.
<b>IX</b>	<b>Corporate Environment Responsibility</b>	
(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 <sup>st</sup> May 2018, as applicable, regarding Corporate Environment Responsibility	Noted & Compliance assured. KCL has allocated Rs. 60.5 Crores for Corporate Environment Responsibility (CER) budget, as per Ministry's OM vide F.No. 22-65/2017-IA.III dated 01 <sup>st</sup> May 2018.

## Kutch Copper Limited

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

Sl. No.	Conditions of EC	Compliance Status
(ii)	The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements / deviation / violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest/ wildlife norms / conditions and/or shareholders / stakeholders. The copy of the board resolution in this regard shall be submitted to the MoEFCC as a part of six-monthly report.	Adani group has well laid Environmental, Health & Safety policy in place.  We have established Environment Management Department with Senior Management at Corporate level.
(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.	Compliance assured, post commencement of the project activity. Environment Management Team is proposed to establish during plant operation at site level once the project takes off.
(iv)	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Aluminium Industry shall be implemented.	Noted & compliance assured
<b>X</b>	<b>Miscellaneous</b>	
(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 <sup>th</sup> May 2020 and Kutch Mitra (local News) dated 15 <sup>th</sup> May 2020. Copies of newspaper advertisement were sent with compliance report for period of April'2020 to September'2020 Environmental Clearance has also been displayed on company's website <a href="https://www.adanienterprises.com">https://www.adanienterprises.com</a> 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 Copper Limited

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

Sl. No.	Conditions of EC	Compliance Status
		<p>Kutch vide letter AEL/Copper/ EC/2020/ May-1 dated 11/05/2020.</p> <p>The EC Copies has also been submitted to following offices through post.</p> <ol style="list-style-type: none"> <li>i. The Mamlatdar Office, Mundra Kutch</li> <li>ii. Regional Office Kutch (East), GPCB, Gandhidham.</li> <li>iii. The Taluka Development Office, Mundra-Kutch</li> <li>iv. District Industries Centre, Bhuj-Kutch</li> <li>v. The District Collector, Bhuj-Kutch</li> <li>vi. The District Development Office, Bhuj-Kutch</li> </ol> <p>EC amendment &amp; transfer letter has been uploaded on the company's website: <a href="https://www.adanienterprises.com">https://www.adanienterprises.com</a></p>
(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.	<p>Being Complied</p> <p>Half yearly EC Compliance status report being submitted to MoEF&amp;CC, CPCB &amp; GPCB. The same is being uploaded on company's website <a href="https://www.adanienterprises.com">https://www.adanienterprises.com</a></p>
(iv)	The project proponent shall monitor the criteria pollutant level namely; PM <sub>10</sub> , SO <sub>2</sub> , NO <sub>x</sub> (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.	Compliance assured, post commencement of the plant operation activity.
(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.	<p>Being Complied.</p> <p>Half yearly EC Compliance status report is being submitted to MoEF&amp;CC, CPCB &amp; GPCB on regular basis.</p>
(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.	Yearly Environmental statement to the Gujarat Pollution Control Board as prescribed under the Environmental (Protection) Rules, 1986 will be submitted after obtaining Consent to Operate before commencement of the plant operation activity.
(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,	Noted & Compliance assured

## Kutch Copper Limited

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

Sl. No.	Conditions of EC	Compliance Status
	commencing the land development work and start of production operation by the project.	
(viii)	The project authorities must strictly adhere to the stipulations made by the State Pollution control Board and the State Government.	Noted & Compliance assured
(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.	Noted & Compliance assured
(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 (MoEFCC)	Compliance assured
(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. Full co-operation will be extended.
(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

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

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.	Noted. There is an Appeal in National Green Tribunal against the project vide Appeal No. 35/2020 (WZ).

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**Report Issued to:**

**Kutch Copper Limited**

**At & PO: Mundra, Kutch 370421  
Gujarat.**

**ENVIRONMENTAL MONTHLY MONITORING REPORT  
MONTH OF APRIL '23**



**Go Green Mechanisms Pvt. Ltd.**



Contact: 7069072008/10

Email: [lab@gogreenmechanisms.com](mailto:lab@gogreenmechanisms.com)

**Ref: GGMPL2023/OT30C dated 04.05.2023**

**To,**  
**Kutch Copper Limited**  
At & Po: Mundra, Kutch 370421 Gujarat

**Subject: Submission of Monthly Report for the Kutch Copper Limited**

Respected Sir,

This is to inform you that we, hereby are submitting the Monitoring Report for the Month of April 2023.

Below given is the Sample Quantity along with Sample type for your reference.

Sr. No.	Description	Total Number of Reports/Samples
1.	Ambient Air Reports	32
3.	Ambient Noise Reports	06
5.	Ground Water Reports	04
6.	Soil Report	01

Thanks and Regards

*(Signature)*

For Go Green Mechanisms Pvt Ltd



# **Ground Water Report**





Reporting Date: - 02.05.2023

## WATER ANALYSIS REPORT

Company Name		Kutch Copper Limited							
Sample Type	Ground Water								
Sample Quantity	3.5 L								
Date of Sampling	27.04.2023								
Analysis Period	28.04.2023 - 02.05.2023								
Sl. No.	Parameter	Unit	Location				Test Method	IS 10500:2012	
			Shiracha Village	Zarpara Village	MotiBhujpar Village	MotaKanda gra Village		AL	PL
1.	pH@25 °C	-	7.35	7.51	7.31	7.59	IS 3025-Part11	6.5-8.5	No relaxation
2.	Turbidity	NTU	BQL (QL=0.1)	BQL (QL=0.1)	BQL (QL=0.1)	BQL (QL=0.1)	APHA 23 <sup>rd</sup> Edn(2130 B)	1	5
3.	Total Dissolved Solids	mg/L	212.0	396.0	610.0	597.0	APHA23rd Edn(2540 C)	500	2000
4.	Total Hardness as CaCO <sub>3</sub>	mg/L	108.0	171.0	354.0	269.0	APHA23rd Edn(2340 C)	200	600
5.	Alkalinity as CaCO <sub>3</sub>	mg/L	76.00	133.00	274.00	247.00	APHA23rd Edn (2230B)	200	600
6.	Calcium as Ca	mg/L	22.44	38.48	109.02	63.73	APHA23rdEdn (3500Ca B)	75	200
7.	Chloride	mg/L	54.98	91.47	99.97	133.96	IS 3025-Part23	250	1000
8.	Sulphate	mg/L	26.88	90.10	136.75	92.53	APHA23rdEdn (4500SO <sub>4</sub> E)	200	400
9.	Nitrate	mg/L	0.99	BQL(QL=0.5)	2.65	1.37	APHA23rdEdn (4500NO <sub>3</sub> B)	45	No relaxation
10.	Iron	mg/L	BQL(QL=0.05)	BQL(QL=0.05)	BQL(QL=0.05)	BQL(QL=0.05)	APHA 23rdEdn (3120 B)	0.3	No relaxation
11.	Fluoride	mg/L	BQL (QL=0.1)	0.26	0.33	0.24	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)	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)	BQL(QL=0.02)	APHA 23rdEdn (3120 B)	5	15
14.	Magnesium (Mg)	mg/L	12.64	18.23	19.93	26.73	APHA23rdEdn (3500MgB)	30	100
15.	Residual Chlorine	mg/L	BQL (QL=0.05)	BQL (QL=0.05)	BQL (QL=0.05)	BQL (QL=0.05)	APHA23rdEdn (4500 Cl B)	0.2	1.0
16.	Colour	CU	BQL (QL=1)	BQL (QL=1)	BQL (QL=1)	BQL (QL=1)	IS 3025- Part 4	5	15
17.	Odour	-	Agreeable	Agreeable	Agreeable	Agreeable	IS 3025 - Part 5	Agreeable	Agreeable
18.	Temperature	°C	27.6	27.4	27.3	27.5	APHA23rdEdn (2550B)	NS	NS
19.	Taste	-	Agreeable	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)	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)	BQL (QL=0.025)	GGMPL/SOP/W/ 43	0.05	No relaxation
22.	Aluminium (Al)	mg/L	BQL (QL=0.02)	BQL (QL=0.02)	BQL (QL=0.02)	BQL (QL=0.02)	APHA23rdEdn (3120 B)	0.03	0.2
23.	Arsenic (As)	mg/L	BQL (QL=0.005)	BQL (QL=0.005)	BQL (QL=0.005)	BQL (QL=0.005)	APHA23rdEdn (3120 B)	0.01	0.05
24.	Boron (B)	mg/L	BQL (QL=0.05)	BQL (QL=0.05)	BQL (QL=0.05)	BQL (QL=0.05)	APHA23rdEdn (3120 B)	0.5	1.0
25.	Cadmium (Cd)	mg/L	BQL (QL=0.002)	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)	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)	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)	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)	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)	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)	BQL (QL=0.05)	APHA23rdEdn (5540 C)	0.2	1.0
32.	E.Coli	MPN/100ml	Absent	Absent	Absent	Absent	IS 1622	-	Absent
33.	Total Coliform	MPN/100ml	Absent	Absent	Absent	Absent	IS 1622	-	Absent

BQL - Below Quantification Limit

Analysis By

*Shiyal K.B*  
Shiyal Kishor



Approved By

*Pankil Patel*  
Pankil Patel

END

# Soil Report

Reporting Date:-02.05.2023

## SOIL ANALYSIS REPORT

Company Name		Kutch Copper Limited		
Sample Type		Soil		
Sample Quantity		2 kg		
Date of Sampling		27.04.2023		
Analysis Period		28.04.2023-02.05.2023		
Sl. No.	Parameter	Unit	Test Method	Location
				Shiracha Village
1.	Molybdenum	mg/kg	USEPA Method 3051A	2.9268
2.	Calcium as Ca	%	USEPA Method 3051A	0.2115
3.	Magnesium as Mg	%	USEPA Method 3051A	0.1812
4.	Zinc as Zn	%	USEPA Method 3051A	0.0008
5.	Manganese as Mn	%	USEPA Method 3051A	0.0020
6.	Potassium as K	%	USEPA Method 3051A	0.0110
7.	Iron as Fe	%	USEPA Method 3051A	0.0030
8.	Boron as B	%	USEPA Method 3051A	0.0006
9.	Chloride as Cl	%	USEPA Method 3051A	0.0369
10.	Nitrogen as N	%	USEPA Method 3051A	0.0209





# Go Green Mechanisms Pvt.Ltd.

11.	Soluble Sulphate	%	IS 2720- Part 27	0.0038
12.	Phosphorus as P	%	USEPA Method 3051A	0.0007

BQL - Below Quantification Limit

Analysis By

*Shiyal K.B.*

Shiyal Kishor



Approved By

*Pankil Patel*

Pankil Patel

.....END.....

# **Ambient Air Report**



# Go Green Mechanisms Pvt.Ltd.

Reporting Date: - 02.05.2023

## AMBIENT AIR QUALITY ANALYSIS REPORT

Company Name		Kutch Copper Limited												
Sample Type		On Site 24 Hourly Monitoring Results												
Location Name		Mota Kandagra Village												
Sr. No.	Test Method	Parameters											As	
		PM (<10)	PM (<2.5)	SO <sub>2</sub>	NO <sub>2</sub>	O <sub>3</sub>	NH <sub>3</sub>	CO	Benzene	B@P	Pb	Ni		
Unit		µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	mg/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>
NAAQ Standards		100	60	80	80	100	400	4	5	1	1	20	6	
Sampling Start Date	Sampling End Date													
1.	03.04.2023	67.38	36.66	13.92	21.36	-	-	-	-	-	-	-	-	
2.	06.04.2023	63.45	32.91	12.37	23.29	-	-	-	-	-	-	-	-	
3.	10.04.2023	66.82	35.83	15.25	24.05	-	-	-	-	-	-	-	-	







# Go Green Mechanisms Pvt.Ltd.

	13.04.2023	14.04.2023	64.73	33.74	13.84	21.93	14.35	16.81	0.31	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)
4.	17.04.2023	18.04.2023	67.49	36.66	15.34	23.04	-	-	-	-	-	-	-	-
5.	20.04.2023	21.04.2023	65.06	34.58	13.87	22.53	-	-	-	-	-	-	-	-
6.	24.04.2023	25.04.2023	65.18	33.33	15.25	24.78	-	-	-	-	-	-	-	-
7.	27.04.2023	28.04.2023	64.10	32.49	13.51	22.53	-	-	-	-	-	-	-	-
8.	<b>AVERAGE</b>		65.53	34.52	14.17	22.94	-	-	-	-	-	-	-	-

Analysis By

*Shyam K.B.*  
Shyam Kishor



Approved By

*Pankil Patil*  
Pankil Patil

END



# Go Green Mechanisms Pvt.Ltd.

Reporting Date: - 02.05.2023

## AMBIENT AIR QUALITY ANALYSIS REPORT

Company Name		Kutch Copper Limited											
Sample Type		On Site 24 Hourly Monitoring Results											
Location Name		Zarapara Village											
Sr. No.	Parameters	PM (<10)	PM (<2.5)	SO <sub>2</sub>	NO <sub>2</sub>	O <sub>3</sub>	NH <sub>3</sub>	CO	Benzene	B@P	Pb	Ni	As
Unit		µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	mg/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>
Test Method		IS 5182-Part23	GGMPL/SOP/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
NAAQ Standards		100	60	80	80	100	400	4	5	1	1	20	6
Sampling Start Date	Sampling End Date												
1.	03.04.2023	04.04.2023	64.52	34.99	12.51	22.78	-	-	-	-	-	-	-
2.	06.04.2023	07.04.2023	61.39	32.49	11.12	21.27	-	-	-	-	-	-	-
3.	10.04.2023	11.04.2023	65.53	35.41	13.85	23.04	-	-	-	-	-	-	-





# Go Green Mechanisms Pvt.Ltd.

		13.04.2023	14.04.2023	66.34	33.74	15.61	22.53	17.16	15.41	0.38	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)
4.															
5.		17.04.2023	18.04.2023	64.33	34.16	13.11	23.29	-	-	-	-	-	-	-	-
6.		20.04.2023	21.04.2023	63.70	32.91	14.50	22.28	-	-	-	-	-	-	-	-
7.		24.04.2023	25.04.2023	62.10	33.74	14.43	22.03	-	-	-	-	-	-	-	-
8.		27.04.2023	28.04.2023	64.02	34.58	13.81	21.36	-	-	-	-	-	-	-	-
<b>AVERAGE</b>				<b>63.99</b>	<b>34.00</b>	<b>13.62</b>	<b>22.32</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

Analysis By

*Shiyu K.B.*  
Shiyu Kishor



Approved By

*Pankil Patel*  
Pankil Patel

END



# Go Green Mechanisms Pvt.Ltd.

Reporting Date: - 02.05.2023

## AMBIENT AIR QUALITY ANALYSIS REPORT

Company Name		Kutch Copper Limited												
Sample Type		On Site 24 Hourly Monitoring Results												
Location Name		Shiracha Village												
Sr. No.	Parameters	PM (<10)	PM (<2.5)	SO <sub>2</sub>	NO <sub>2</sub>	O <sub>3</sub>	NH <sub>3</sub>	CO	Benzene	B@P	Pb	Ni	As	
Unit	Test Method	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	mg/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>	
NAAQ Standards	Method	IS 5182-Part23	GGMPL/SOP/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	
Sampling Start Date	Sampling End Date													
1.	03.04.2023	65.63	35.41	14.31	22.78	-	-	-	-	-	-	-	-	
2.	06.04.2023	62.46	34.58	13.52	21.36	-	-	-	-	-	-	-	-	
3.	10.04.2023	67.15	36.66	15.55	23.29	-	-	-	-	-	-	-	-	





# Go Green Mechanisms Pvt.Ltd.

	13.04.2023	14.04.2023	63.39	32.08	13.36	21.27	15.91	14.01	0.32	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)
4.	17.04.2023	18.04.2023	63.65	34.16	14.98	21.77	-	-	-	-	-	-	-	-
5.	20.04.2023	21.04.2023	67.35	35.83	16.69	24.21	-	-	-	-	-	-	-	-
6.	24.04.2023	25.04.2023	64.05	33.33	14.75	23.35	-	-	-	-	-	-	-	-
7.	27.04.2023	28.04.2023	70.28	36.24	16.45	26.49	-	-	-	-	-	-	-	-
8.	<b>AVERAGE</b>		65.23	34.78	14.95	23.07	-	-	-	-	-	-	-	-

Analysis By

*Shiyal K.B.*  
Shiyal Kishor



Approved By

*P.*  
Pankil Patel

END



## AMBIENT AIR QUALITY ANALYSIS REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>												
<b>On Site 24 Hourly Monitoring Results</b>														
<b>Sample Type</b>		<b>AMBIENT AIR QUALITY MONITORING</b>												
<b>Location Name</b>		<b>Moti Bhujpar Village</b>												
Parameters		PM (<10)	PM (<2.5)	SO <sub>2</sub>	NO <sub>2</sub>	O <sub>3</sub>	NH <sub>3</sub>	CO	Benzene	B@P	Pb	Ni	As	
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/SOP/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	100	400	4	5	1	1	20	6	
Sr. No.	Sampling Start Date	Sampling End Date												
1.	03.04.2023	04.04.2023	67.38	36.66	13.92	21.36	-	-	-	-	-	-	-	-
2.	06.04.2023	07.04.2023	63.45	32.91	12.37	23.29	-	-	-	-	-	-	-	-
3.	10.04.2023	11.04.2023	66.82	35.83	15.25	24.05	-	-	-	-	-	-	-	-





# Go Green Mechanisms Pvt.Ltd.

	13.04.2023	14.04.2023	65.55	32.49	15.92	21.27	14.97	12.60	0.22	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)
4.	17.04.2023	18.04.2023	67.31	34.16	14.40	24.21	-	-	-	-	-	-	-	-
5.	20.04.2023	21.04.2023	65.66	33.33	13.15	21.52	-	-	-	-	-	-	-	-
6.	24.04.2023	25.04.2023	63.11	31.66	12.80	22.03	-	-	-	-	-	-	-	-
7.	27.04.2023	28.04.2023	66.07	33.33	14.13	20.25	-	-	-	-	-	-	-	-
8.	<b>AVERAGE</b>		64.98	33.43	13.99	21.48	-	-	-	-	-	-	-	-

Analysis By

*Shiyal K.B.*

Shiyal Kishor



Approved By

*P.*

Pankil Patel

.....END.....

# **Ambient Noise Report**



Reporting Date:-02.05.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Shiracha Village		
Sampling Date			10.04.2023		
Sampling Instrument		Sound Level Meter	Ldn	53.8	
Lmax (Day)		65.9	Lmax (Night)	54.3	
Lmin (Day)		42.7	Lmin (Night)	37.5	
Leq (Day)		55.3	Leq (Night)	45.6	
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
1.	06:00 - 07:00	49.2	dB (A) Leq	IS 9989	65
2.	07:00 - 08:00	54.6	dB (A) Leq	IS 9989	65
3.	08:00 - 09:00	51.3	dB (A) Leq	IS 9989	65
4.	09:00 - 10:00	55.5	dB (A) Leq	IS 9989	65
5.	10:00 - 11:00	56.0	dB (A) Leq	IS 9989	65
6.	11:00 - 12:00	59.2	dB (A) Leq	IS 9989	65
7.	12:00 - 13:00	56.7	dB (A) Leq	IS 9989	65
8.	13:00 - 14:00	53.8	dB (A) Leq	IS 9989	65
9.	14:00 - 15:00	52.6	dB (A) Leq	IS 9989	65
10.	15:00 - 16:00	57.3	dB (A) Leq	IS 9989	65
11.	16:00 - 17:00	61.2	dB (A) Leq	IS 9989	65
12.	17:00 - 18:00	54.8	dB (A) Leq	IS 9989	65





# Go Green Mechanisms Pvt.Ltd.

Reporting Date:-02.05.2023

## AMBIENT NOISE MONITORING REPORT

Company Name	Kutch Copper Limited
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### On Site 24 Hourly Monitoring Results

Sample Type	Ambient Noise Monitoring				
Location	Shiracha Village				
Sampling Date	10.04.2023				
Sampling Instrument	Sound Level Meter	Ldn	53.8		
Lmax (Day)	65.9	Lmax (Day)	54.3		
Lmin (Day)	42.7	Lmin (Day)	37.5		
Leq (Day)	55.3	Leq (Day)	45.6		
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
13.	18:00 - 19:00	50.6	dB (A) Leq	IS 9989	65
14.	19:00 - 20:00	48.7	dB (A) Leq	IS 9989	65
15.	20:00 - 21:00	49.3	dB (A) Leq	IS 9989	65
16.	21:00 - 22:00	47.5	dB (A) Leq	IS 9989	65
17.	22:00 - 23:00	45.0	dB (A) Leq	IS 9989	55
18.	23:00 - 12:00	47.1	dB (A) Leq	IS 9989	55
19.	12:00 - 01:00	44.1	dB (A) Leq	IS 9989	55
20.	01:00 - 02:00	46.2	dB (A) Leq	IS 9989	55
21.	02:00 - 03:00	43.9	dB (A) Leq	IS 9989	55
22.	03:00 - 04:00	45.5	dB (A) Leq	IS 9989	55
23.	04:00 - 05:00	44.4	dB (A) Leq	IS 9989	55
24.	05:00 - 06:00	47.4	dB (A) Leq	IS 9989	55

Analysis By  
*Shiyal Kishor*  
Shiyal Kishor

Approved By  
*P.*  
Pankil Patel

END



Reporting Date:-02.05.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Zarapara Village		
Sampling Date			06.04.2023		
Sampling Instrument		Sound Level Meter		Ldn	53.8
Lmax (Day)		67.9		Lmax (Night)	60.9
Lmin (Day)		45.1		Lmin (Night)	41.5
Leq (Day)		55.3		Leq (Night)	45.8
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
1.	06:00 - 07:00	48.2	dB (A) Leq	IS 9989	75
2.	07:00 - 08:00	49.7	dB (A) Leq	IS 9989	75
3.	08:00 - 09:00	52.3	dB (A) Leq	IS 9989	75
4.	09:00 - 10:00	55.8	dB (A) Leq	IS 9989	75
5.	10:00 - 11:00	53.7	dB (A) Leq	IS 9989	75
6.	11:00 - 12:00	56.9	dB (A) Leq	IS 9989	75
7.	12:00 - 13:00	54.7	dB (A) Leq	IS 9989	75
8.	13:00 - 14:00	57.0	dB (A) Leq	IS 9989	75
9.	14:00 - 15:00	56.3	dB (A) Leq	IS 9989	75
10.	15:00 - 16:00	60.2	dB (A) Leq	IS 9989	75
11.	16:00 - 17:00	55.8	dB (A) Leq	IS 9989	75
12.	17:00 - 18:00	58.6	dB (A) Leq	IS 9989	75



Reporting Date:-02.05.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Zarapara Village		
Sampling Date			06.04.2023		
Sampling Instrument		Sound Level Meter		Ldn	53.8
Lmax (Day)		67.9	Lmax (Night)		60.9
Lmin (Day)		45.1	Lmin (Night)		41.5
Leq (Day)		55.3	Leq (Night)		45.8
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
13.	18:00 - 19:00	54.7	dB (A) Leq	IS 9989	75
14.	19:00 - 20:00	51.2	dB (A) Leq	IS 9989	75
15.	20:00 - 21:00	49.6	dB (A) Leq	IS 9989	75
16.	21:00 - 22:00	50.8	dB (A) Leq	IS 9989	75
17.	22:00 - 23:00	46.2	dB (A) Leq	IS 9989	70
18.	23:00 - 12:00	46.9	dB (A) Leq	IS 9989	70
19.	12:00 - 01:00	44.3	dB (A) Leq	IS 9989	70
20.	01:00 - 02:00	45.7	dB (A) Leq	IS 9989	70
21.	02:00 - 03:00	46.0	dB (A) Leq	IS 9989	70
22.	03:00 - 04:00	44.9	dB (A) Leq	IS 9989	70
23.	04:00 - 05:00	47.2	dB (A) Leq	IS 9989	70
24.	05:00 - 06:00	44.4	dB (A) Leq	IS 9989	70

Analysis By

*Shiyal Kishor*  
Shiyal Kishor

Approved By

*Pankil Patel*  
Pankil Patel



Reporting Date:-02.05.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Moti Bhujpar Village		
Sampling Date			03.04.2023		
Sampling Instrument		Sound Level Meter		Ldn	62.7
Lmax (Day)		73.7		Lmax (Night)	55.6
Lmin (Day)		45.8		Lmin (Night)	38.2
Leq (Day)		64.4		Leq (Night)	48.1
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
1.	06:00 - 07:00	54.2	dB (A) Leq	IS 9989	75
2.	07:00 - 08:00	57.9	dB (A) Leq	IS 9989	75
3.	08:00 - 09:00	59.3	dB (A) Leq	IS 9989	75
4.	09:00 - 10:00	60.5	dB (A) Leq	IS 9989	75
5.	10:00 - 11:00	63.8	dB (A) Leq	IS 9989	75
6.	11:00 - 12:00	66.2	dB (A) Leq	IS 9989	75
7.	12:00 - 13:00	65.7	dB (A) Leq	IS 9989	75
8.	13:00 - 14:00	67.8	dB (A) Leq	IS 9989	75
9.	14:00 - 15:00	68.6	dB (A) Leq	IS 9989	75
10.	15:00 - 16:00	70.4	dB (A) Leq	IS 9989	75
11.	16:00 - 17:00	65.2	dB (A) Leq	IS 9989	75
12.	17:00 - 18:00	62.1	dB (A) Leq	IS 9989	75





Reporting Date:-02.05.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Moti Bhujpar Village		
Sampling Date			03.04.2023		
Sampling Instrument		Sound Level Meter		Ldn	62.7
Lmax (Day)		73.7	Lmax (Day)		55.6
Lmin (Day)		45.8	Lmin (Day)		38.2
Leq (Day)		64.4	Leq (Day)		48.1
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
13.	18:00 - 19:00	58.8	dB (A) Leq	IS 9989	75
14.	19:00 - 20:00	57.1	dB (A) Leq	IS 9989	75
15.	20:00 - 21:00	52.2	dB (A) Leq	IS 9989	75
16.	21:00 - 22:00	48.5	dB (A) Leq	IS 9989	75
17.	22:00 - 23:00	47.2	dB (A) Leq	IS 9989	70
18.	23:00 - 12:00	45.3	dB (A) Leq	IS 9989	70
19.	12:00 - 01:00	43.7	dB (A) Leq	IS 9989	70
20.	01:00 - 02:00	44.3	dB (A) Leq	IS 9989	70
21.	02:00 - 03:00	45.9	dB (A) Leq	IS 9989	70
22.	03:00 - 04:00	47.8	dB (A) Leq	IS 9989	70
23.	04:00 - 05:00	50.7	dB (A) Leq	IS 9989	70
24.	05:00 - 06:00	52.2	dB (A) Leq	IS 9989	70

Analysis By  
*Shiyal K.B.*  
Shiyal Kishor

Approved By  
*P.*  
Pankil Patel



Reporting Date:-02.05.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Mota Kundagara Village		
Sampling Date			13.04.2023		
Sampling Instrument		Sound Level Meter	Ldn	53.8	
Lmax (Day)		66.8	Lmax (Night)	56.3	
Lmin (Day)		43.7	Lmin (Night)	38.6	
Leq (Day)		55.3	Leq (Night)	46.6	
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
1.	06:00 - 07:00	50.7	dB (A) Leq	IS 9989	75
2.	07:00 - 08:00	53.2	dB (A) Leq	IS 9989	75
3.	08:00 - 09:00	49.6	dB (A) Leq	IS 9989	75
4.	09:00 - 10:00	52.7	dB (A) Leq	IS 9989	75
5.	10:00 - 11:00	56.9	dB (A) Leq	IS 9989	75
6.	11:00 - 12:00	57.3	dB (A) Leq	IS 9989	75
7.	12:00 - 13:00	55.8	dB (A) Leq	IS 9989	75
8.	13:00 - 14:00	53.6	dB (A) Leq	IS 9989	75
9.	14:00 - 15:00	53.9	dB (A) Leq	IS 9989	75
10.	15:00 - 16:00	57.5	dB (A) Leq	IS 9989	75
11.	16:00 - 17:00	60.7	dB (A) Leq	IS 9989	75
12.	17:00 - 18:00	58.2	dB (A) Leq	IS 9989	75



Reporting Date:-02.05.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Mota Kundagra Village		
Sampling Date			13.04.2023		
Sampling Instrument		Sound Level Meter	Ldn	53.8	
Lmax (Day)		66.8	Lmax (Night)	56.3	
Lmin (Day)		43.7	Lmin (Night)	38.6	
Leq (Day)		55.3	Leq (Night)	46.6	
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
13.	18:00 - 19:00	54.4	dB (A) Leq	IS 9989	75
14.	19:00 - 20:00	50.3	dB (A) Leq	IS 9989	75
15.	20:00 - 21:00	47.9	dB (A) Leq	IS 9989	75
16.	21:00 - 22:00	49.6	dB (A) Leq	IS 9989	75
17.	22:00 - 23:00	47.3	dB (A) Leq	IS 9989	70
18.	23:00 - 12:00	49.6	dB (A) Leq	IS 9989	70
19.	12:00 - 01:00	46.0	dB (A) Leq	IS 9989	70
20.	01:00 - 02:00	44.1	dB (A) Leq	IS 9989	70
21.	02:00 - 03:00	46.2	dB (A) Leq	IS 9989	70
22.	03:00 - 04:00	43.5	dB (A) Leq	IS 9989	70
23.	04:00 - 05:00	47.1	dB (A) Leq	IS 9989	70
24.	05:00 - 06:00	45.9	dB (A) Leq	IS 9989	70

Analysis By  
*Shiyal K.B.*  
 Shiyal Kishor



Approved By  
*Pankil Patel*  
 Pankil Patel



Reporting Date:-02.05.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Shiracha Village		
Sampling Date			20.04.2023		
Sampling Instrument		Sound Level Meter		Ldn	60.6
Lmax (Day)		67.4		Lmax (Day)	64.2
Lmin (Day)		44.5		Lmin (Day)	42.3
Leq (Day)		62.1		Leq (Day)	53.1
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
1.	06:00 - 07:00	51.0	dB (A) Leq	IS 9989	65
2.	07:00 - 08:00	53.7	dB (A) Leq	IS 9989	65
3.	08:00 - 09:00	59.6	dB (A) Leq	IS 9989	65
4.	09:00 - 10:00	57.9	dB (A) Leq	IS 9989	65
5.	10:00 - 11:00	60.2	dB (A) Leq	IS 9989	65
6.	11:00 - 12:00	66.3	dB (A) Leq	IS 9989	65
7.	12:00 - 13:00	62.5	dB (A) Leq	IS 9989	65
8.	13:00 - 14:00	63.7	dB (A) Leq	IS 9989	65
9.	14:00 - 15:00	64.8	dB (A) Leq	IS 9989	65
10.	15:00 - 16:00	63.0	dB (A) Leq	IS 9989	65
11.	16:00 - 17:00	59.1	dB (A) Leq	IS 9989	65
12.	17:00 - 18:00	60.2	dB (A) Leq	IS 9989	65



Reporting Date:-02.05.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Shiracha Village		
Sampling Date			20.04.2023		
Sampling Instrument		Sound Level Meter	Ldn	60.6	
Lmax (Day)		67.4	Lmax (Day)	64.2	
Lmin (Day)		44.5	Lmin (Day)	42.3	
Leq (Day)		62.1	Leq (Day)	53.1	
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
13.	18:00 - 19:00	60.2	dB (A) Leq	IS 9989	65
14.	19:00 - 20:00	63.3	dB (A) Leq	IS 9989	65
15.	20:00 - 21:00	64.1	dB (A) Leq	IS 9989	65
16.	21:00 - 22:00	62.9	dB (A) Leq	IS 9989	65
17.	22:00 - 23:00	60.0	dB (A) Leq	IS 9989	55
18.	23:00 - 12:00	51.3	dB (A) Leq	IS 9989	55
19.	12:00 - 01:00	49.2	dB (A) Leq	IS 9989	55
20.	01:00 - 02:00	50.7	dB (A) Leq	IS 9989	55
21.	02:00 - 03:00	50.9	dB (A) Leq	IS 9989	55
22.	03:00 - 04:00	48.3	dB (A) Leq	IS 9989	55
23.	04:00 - 05:00	47.1	dB (A) Leq	IS 9989	55
24.	05:00 - 06:00	46.8	dB (A) Leq	IS 9989	55

Analysis By  
*Shiyal Kishor*  
 Shiyal Kishor



Approved By  
*Pankil Patel*  
 Pankil Patel

END

Reporting Date:-02.05.2023

## AMBIENT NOISE MONITORING REPORT

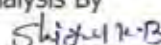
<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Zarapara Village		
Sampling Date			17.04.2023		
Sampling Instrument		Sound Level Meter		Ldn	53.4
Lmax (Day)		66.8		Lmax (Night)	59.7
Lmin (Day)		47.4		Lmin (Night)	38.5
Leq (Day)		54.9		Leq (Night)	46.3
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
1.	06:00 - 07:00	52.3	dB (A) Leq	IS 9989	75
2.	07:00 - 08:00	54.7	dB (A) Leq	IS 9989	75
3.	08:00 - 09:00	52.8	dB (A) Leq	IS 9989	75
4.	09:00 - 10:00	56.1	dB (A) Leq	IS 9989	75
5.	10:00 - 11:00	54.0	dB (A) Leq	IS 9989	75
6.	11:00 - 12:00	58.2	dB (A) Leq	IS 9989	75
7.	12:00 - 13:00	55.7	dB (A) Leq	IS 9989	75
8.	13:00 - 14:00	54.3	dB (A) Leq	IS 9989	75
9.	14:00 - 15:00	53.6	dB (A) Leq	IS 9989	75
10.	15:00 - 16:00	55.0	dB (A) Leq	IS 9989	75
11.	16:00 - 17:00	59.2	dB (A) Leq	IS 9989	75
12.	17:00 - 18:00	56.1	dB (A) Leq	IS 9989	75




Reporting Date:- 02.05.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Zarapara Village		
Sampling Date			17.04.2023		
Sampling Instrument		Sound Level Meter		Ldn	53.4
Lmax (Day)		66.8		Lmax (Night)	59.7
Lmin (Day)		47.4		Lmin (Night)	38.5
Leq (Day)		54.9		Leq (Night)	46.3
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
13.	18:00 - 19:00	52.9	dB (A) Leq	IS 9989	75
14.	19:00 - 20:00	50.1	dB (A) Leq	IS 9989	75
15.	20:00 - 21:00	47.5	dB (A) Leq	IS 9989	75
16.	21:00 - 22:00	51.6	dB (A) Leq	IS 9989	75
17.	22:00 - 23:00	47.2	dB (A) Leq	IS 9989	70
18.	23:00 - 12:00	49.0	dB (A) Leq	IS 9989	70
19.	12:00 - 01:00	45.7	dB (A) Leq	IS 9989	70
20.	01:00 - 02:00	46.3	dB (A) Leq	IS 9989	70
21.	02:00 - 03:00	44.0	dB (A) Leq	IS 9989	70
22.	03:00 - 04:00	46.1	dB (A) Leq	IS 9989	70
23.	04:00 - 05:00	43.9	dB (A) Leq	IS 9989	70
24.	05:00 - 06:00	45.8	dB (A) Leq	IS 9989	70

Analysis By  
  
 Shiyal Kishor

Approved By  
  
 Pankil Patel

END

Report Issued to:

**Kutch Copper Limited**

**At & PO: Mundra, Kutch 370421  
Gujarat.**

ENVIRONMENTAL MONTHLY MONITORING REPORT  
MONTH OF MAY'23



Go Green Mechanisms Pvt. Ltd.



Contact: 7069072008/10

Email: [lab@gogreenmechanisms.com](mailto:lab@gogreenmechanisms.com)

**Ref: GGMPL2023/OT45C dated 09.06.2023**

**To,**  
**Kutch Copper Limited**  
At & Po: Mundra, Kutch 370421 Gujarat

**Subject: Submission of Monthly Report for the Kutch Copper Limited**

Respected Sir,

This is to inform you that we, hereby are submitting the Monitoring Report for the Month of May 2023.

Below given is the Sample Quantity along with Sample type for your reference.

Sr. No.	Description	Total Number of Reports/Samples
1.	Ambient Air Reports	36
3.	Ambient Noise Reports	06
5.	Ground Water Reports	04
6.	Soil Report	01

Thanks and Regards



For Go Green Mechanisms Pvt Ltd



# **Ground Water Report**



# Go Green Mechanisms Pvt.Ltd.

Reporting Date: - 05.06.2023

## WATER ANALYSIS REPORT

Company Name		Kutch Copper Limited							
Sample Type		Ground Water							
Sample Quantity		3.5 L							
Date of Sampling		11.05.2023							
Analysis Period		13.05.2023 - 17.05.2023							
Sl. No.	Parameter	Unit	Location				Test Method	IS 10500:2012	
			Shiracha Village	Zarpara Village	MotiBhujpar Village	MotaKanda gra Village		AL	PL
1.	pH@25 °C	-	7.48	7.68	7.50	7.70	IS 3025-Part11	6.5-8.5	No relaxation
2.	Turbidity	NTU	BQL (QL=0.1)	BQL (QL=0.1)	BQL (QL=0.1)	BQL (QL=0.1)	APHA 23 <sup>rd</sup> Edn(2130 B)	1	5
3.	Total Dissolved Solids	mg/L	197.0	382.0	596.0	578.0	APHA23rd Edn(2540 C)	500	2000
4.	Total Hardness as CaCO <sub>3</sub>	mg/L	104.0	164.0	340.0	257.0	APHA23rd Edn(2340 C)	200	600
5.	Alkalinity as CaCO <sub>3</sub>	mg/L	71.00	129.00	259.00	239.00	APHA23rd Edn (2230B)	200	600
6.	Calcium as Ca	mg/L	21.24	36.87	102.60	62.12	APHA23rdEdn (3500Ca B)	75	200
7.	Chloride	mg/L	50.98	88.97	93.97	130.96	IS 3025-Part23	250	1000
8.	Sulphate	mg/L	25.40	88.97	133.91	89.61	APHA23rdEdn (4500SO <sub>4</sub> E)	200	400
9.	Nitrate	mg/L	0.96	BQL(QL=0.5)	2.12	1.16	APHA23rdEdn (4500NO <sub>3</sub> B)	45	No relaxation
10.	Iron	mg/L	BQL(QL=0.05)	BQL(QL=0.05)	BQL(QL=0.05)	BQL(QL=0.05)	APHA 23rdEdn (3120 B)	0.3	No relaxation
11.	Fluoride	mg/L	BQL (QL=0.1)	0.24	0.31	0.22	APHA 23rdEdn (4500 F D)	1	1.5
12.	Hexavalent Chromium as Cr <sup>6+</sup>	mg/L	BQL (QL=0.01)	BQL (QL=0.01)	BQL (QL=0.01)	BQL (QL=0.01)	APHA 23rdEdn (3500Cr B)	NS	NS







# Go Green Mechanisms Pvt.Ltd.

13.	Zinc (Zn)	mg/L	BQL(QL=0.02)	BQL(QL=0.02)	BQL(QL=0.02)	BQL(QL=0.02)	APHA 23rdEdn (3120 B)	5	15
14.	Magnesium (Mg)	mg/L	12.39	17.50	20.41	24.79	APHA23rdEdn (3500MgB)	30	100
15.	Residual Chlorine	mg/L	BQL (QL=0.05)	BQL (QL=0.05)	BQL (QL=0.05)	BQL (QL=0.05)	APHA23rdEdn (4500 Cl B)	0.2	1.0
16.	Colour	CU	BQL (QL=1)	BQL (QL=1)	BQL (QL=1)	BQL (QL=1)	IS 3025- Part 4	5	15
17.	Odour	-	Agreeable	Agreeable	Agreeable	Agreeable	IS 3025 - Part 5	Agreeable	Agreeable
18.	Temperature	°C	27.2	28.7	27.5	27.9	APHA23rdEdn (2550B)	NS	NS
19.	Taste	-	Agreeable	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)	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)	BQL (QL=0.025)	GGMPL/SOP/W/ 43	0.05	No relaxation
22.	Aluminium (Al)	mg/L	BQL (QL=0.02)	BQL (QL=0.02)	BQL (QL=0.02)	BQL (QL=0.02)	APHA23rdEdn (3120 B)	0.03	0.2
23.	Arsenic (As)	mg/L	BQL (QL=0.005)	BQL (QL=0.005)	BQL (QL=0.005)	BQL (QL=0.005)	APHA23rdEdn (3120 B)	0.01	0.05
24.	Boron (B)	mg/L	BQL (QL=0.05)	BQL (QL=0.05)	BQL (QL=0.05)	BQL (QL=0.05)	APHA23rdEdn (3120 B)	0.5	1.0
25.	Cadmium (Cd)	mg/L	BQL (QL=0.002)	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)	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)	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)	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)	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)	BQL (QL=0.005)	APHA23rdEdn (3120 B)	0.01	No relaxation





# Go Green Mechanisms Pvt.Ltd.

31.	Anionic Surface Active Agents	mg/L	BQL (QL=0.05)	BQL (QL=0.05)	BQL (QL=0.05)	BQL (QL=0.05)	APHA23rdEdn (5540 C)	0.2	1.0
32.	E.Coli	MPN/100ml	Absent	Absent	Absent	Absent	IS 1622	-	Absent
33.	Total Coliform	MPN/100ml	Absent	Absent	Absent	Absent	IS 1622	-	Absent

BQL - Below Quantification Limit

Analysis By

*Shiyal Kishor*  
Shiyal Kishor



Approved By

*Pankil Patel*  
Pankil Patel

END

# Soil Report



# Go Green Mechanisms Pvt.Ltd.

Reporting Date:-05.06.2023

## SOIL ANALYSIS REPORT

Company Name		Kutch Copper Limited		
Sample Type		Soil		
Sample Quantity		2 kg		
Date of Sampling		11.05.2023		
Analysis Period		13.05.2023-17.05.2023		
Sl. No.	Parameter	Unit	Test Method	Location
				Shiracha Village
1.	Molybdenum	mg/kg	USEPA Method 3051A	2.4390
2.	Calcium as Ca	%	USEPA Method 3051A	0.2040
3.	Magnesium as Mg	%	USEPA Method 3051A	0.1744
4.	Zinc as Zn	%	USEPA Method 3051A	0.0009
5.	Manganese as Mn	%	USEPA Method 3051A	0.0018
6.	Potassium as K	%	USEPA Method 3051A	0.0101
7.	Iron as Fe	%	USEPA Method 3051A	0.0028
8.	Boron as B	%	USEPA Method 3051A	0.0004
9.	Chloride as Cl	%	USEPA Method 3051A	0.0359
10.	Nitrogen as N	%	USEPA Method 3051A	0.0192





# Go Green Mechanisms Pvt.Ltd.

11.	Soluble Sulphate	%	IS 2720- Part 27	0.0036
12.	Phosphorus as P	%	USEPA Method 3051A	0.0006

BQL - Below Quantification Limit

Analysis By

*Shiyal K B.*

Shiyal Kishor



Approved By

*P*

Pankil Patel

.....END.....

# **Ambient Air Report**



# Go Green Mechanisms Pvt.Ltd.

Reporting Date: -05.06.2023

## AMBIENT AIR QUALITY ANALYSIS REPORT

Company Name		Kutch Copper Limited												
		On Site 24 Hourly Monitoring Results												
Sample Type		AMBIENT AIR QUALITY MONITORING												
Location Name		Moti Bhujpar Village												
Sr. No.	Parameters	PM (<10)	PM (<2.5)	SO <sub>2</sub>	NO <sub>x</sub>	O <sub>3</sub>	NH <sub>3</sub>	CO	Benzene	BipP	Pb	Ni	As	
		µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	mg/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>
Test Method	NAAQ Standards	IS 5182-Part23	GGMPL/SOP/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	
		100	60	80	80	100	400	4	5	1	1	20	6	
Sampling Start Date	Sampling End Date													
1.	01.05.2023	63.97	34.58	13.36	20.03	-	-	-	-	-	-	-	-	
2.	04.05.2023	66.26	35.41	14.27	22.38	-	-	-	-	-	-	-	-	
3.	08.05.2023	62.92	33.74	13.32	20.89	14.20	11.40	0.26	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)	





# Go Green Mechanisms Pvt.Ltd.

4.	11.05.2023	12.05.2023	67.79	36.66	14.59	22.03	-	-	-	-	-	-	-	-	-	-	-
5.	15.05.2023	16.05.2023	69.92	37.49	15.28	23.46	-	-	-	-	-	-	-	-	-	-	-
6.	18.05.2023	19.05.2023	66.57	35.83	13.71	22.38	-	-	-	-	-	-	-	-	-	-	-
7.	22.05.2023	23.05.2023	68.95	36.24	14.61	23.15	-	-	-	-	-	-	-	-	-	-	-
8.	25.05.2023	26.05.2023	64.79	34.58	13.49	20.86	-	-	-	-	-	-	-	-	-	-	-
9.	29.05.2023	30.05.2023	67.88	35.41	14.48	22.61	-	-	-	-	-	-	-	-	-	-	-
			<b>AVERAGE</b>	66.56	35.55	14.12	21.98	-	-	-	-	-	-	-	-	-	-

Analysis By

*Shiyal K.B.*  
Shiyal Kishor



Approved By

*Pankil Patel*  
Pankil Patel

END





# Go Green Mechanisms Pvt.Ltd.

Reporting Date: - 05.06.2023

## AMBIENT AIR QUALITY ANALYSIS REPORT

Company Name		Kutch Copper Limited												
Sample Type		On Site 24 Hourly Monitoring Results												
Location Name		Zarapara Village												
Sr. No.	Parameters	PM (<10)	PM (<2.5)	SO <sub>2</sub>	NO <sub>2</sub>	O <sub>3</sub>	NH <sub>3</sub>	CO	Benzene	B@P	Pb	Ni	As	
Unit	Unit	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	mg/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>	
Test Method	Test Method	IS 5182-Part23	GGMPL/SOP/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	
NAAQ Standards	NAAQ Standards	100	60	80	80	100	400	4	5	1	1	20	6	
Sampling Start Date	Sampling End Date													
1.	01.05.2023	69.08	37.49	15.56	24.16	-	-	-	-	-	-	-	-	
2.	04.05.2023	66.10	35.83	14.53	23.15	-	-	-	-	-	-	-	-	
3.	08.05.2023	62.02	32.08	12.93	21.87	17.99	15.67	0.40	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)	





# Go Green Mechanisms Pvt.Ltd.

4.	11.05.2023	12.05.2023	65.76	35.41	14.15	22.89	-	-	-	-	-	-	-	-	-	-	-	-
5.	15.05.2023	16.05.2023	68.16	38.74	15.47	23.91	-	-	-	-	-	-	-	-	-	-	-	-
6.	18.05.2023	19.05.2023	64.38	34.99	13.79	22.61	-	-	-	-	-	-	-	-	-	-	-	-
7.	22.05.2023	23.05.2023	67.88	36.66	15.37	23.75	-	-	-	-	-	-	-	-	-	-	-	-
8.	25.05.2023	26.05.2023	65.02	35.41	13.93	22.89	-	-	-	-	-	-	-	-	-	-	-	-
9.	29.05.2023	30.05.2023	62.21	33.74	13.40	22.03	-	-	-	-	-	-	-	-	-	-	-	-
			<b>AVERAGE</b>	65.63	35.59	14.35	23.03	-	-	-	-	-	-	-	-	-	-	-

Analysis By

*Shiyal K.B.*  
Shiyal Kishor



Approved By

*P.*  
Pankil Patel

.....END.....



# Go Green Mechanisms Pvt.Ltd.

Reporting Date: - 05.06.2023

## AMBIENT AIR QUALITY ANALYSIS REPORT

Company Name		Kutch Copper Limited												
Sample Type		On Site 24 Hourly Monitoring Results												
Location Name		AMBIENT AIR QUALITY MONITORING												
Location Name		Shiracha Village												
Sr. No.	Parameters	PM (<10)	PM (<2.5)	SO <sub>2</sub>	NO <sub>2</sub>	O <sub>3</sub>	NH <sub>3</sub>	CO	Benzene	B@P	Pb	Ni	As	
		µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	mg/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>
Test Method		IS 5182-Part23	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	
NAAQ Standards		100	60	80	80	100	400	4	5	1	1	20	6	
Sampling Start Date	Sampling End Date													
1.	01.05.2023	59.74	37.49	16.01	24.61	-	-	-	-	-	-	-	-	
2.	04.05.2023	64.86	34.99	14.83	23.18	-	-	-	-	-	-	-	-	
3.	08.05.2023	68.44	37.08	15.67	25.18	16.09	14.25	0.35	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)	





# Go Green Mechanisms Pvt.Ltd.

4.	11.05.2023	12.05.2023	62.98	34.58	14.02	21.87	-	-	-	-	-	-	-	-	-	-	-	-
5.	15.05.2023	16.05.2023	65.77	35.83	15.47	22.89	-	-	-	-	-	-	-	-	-	-	-	-
6.	18.05.2023	19.05.2023	61.48	33.33	13.70	21.75	-	-	-	-	-	-	-	-	-	-	-	-
7.	22.05.2023	23.05.2023	64.69	35.41	14.71	22.64	-	-	-	-	-	-	-	-	-	-	-	-
8.	25.05.2023	26.05.2023	67.76	36.24	15.28	24.32	-	-	-	-	-	-	-	-	-	-	-	-
9.	29.05.2023	30.05.2023	70.67	37.91	16.06	25.43	-	-	-	-	-	-	-	-	-	-	-	-
			<b>AVERAGE</b>	66.27	35.87	15.08	23.54	-	-	-	-	-	-	-	-	-	-	-

Analysis By

*Shiyal K B*  
Shiyal Kishor



Approved By

*P*  
Pankil Patel

.....END.....



# Go Green Mechanisms Pvt.Ltd.

Reporting Date: - 05.06.2023

## AMBIENT AIR QUALITY ANALYSIS REPORT

Company Name		Kutch Copper Limited											
Sample Type		On Site 24 Hourly Monitoring Results											
Sample Type		AMBIENT AIR QUALITY MONITORING											
Location Name		Mota Kandagra Village											
Sr. No.	Parameters	PM (<10)	PM (<2.5)	SO <sub>2</sub>	NO <sub>2</sub>	O <sub>3</sub>	NH <sub>3</sub>	CO	Benzene	B@P	Pb	Ni	As
		µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	mg/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>
Test Method		IS 5182-Part23	GGMPL/SOP/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
NAAQ Standards		100	60	80	80	100	400	4	5	1	1	20	5
Sampling Start Date	Sampling End Date												
1.	01.05.2023	69.98	36.66	15.62	25.18	-	-	-	-	-	-	-	-
2.	04.05.2023	64.76	34.16	14.22	20.60	-	-	-	-	-	-	-	-
3.	08.05.2023	66.62	35.83	15.38	24.16	14.83	17.51	0.29	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)





# Go Green Mechanisms Pvt.Ltd.

4.	11.05.2023	12.05.2023	65.21	34.58	12.97	21.87	-	-	-	-	-	-	-	-	-	-	-	-
5.	15.05.2023	16.05.2023	69.20	36.24	15.48	24.89	-	-	-	-	-	-	-	-	-	-	-	-
6.	18.05.2023	19.05.2023	66.36	34.99	14.61	23.15	-	-	-	-	-	-	-	-	-	-	-	-
7.	22.05.2023	23.05.2023	63.86	34.16	13.75	22.32	-	-	-	-	-	-	-	-	-	-	-	-
8.	25.05.2023	26.05.2023	68.09	35.83	15.02	24.42	-	-	-	-	-	-	-	-	-	-	-	-
9.	29.05.2023	30.05.2023	64.44	33.74	13.22	21.61	-	-	-	-	-	-	-	-	-	-	-	-
<b>AVERAGE</b>			<b>66.72</b>	<b>35.13</b>	<b>14.47</b>	<b>23.14</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

Analysis By

*Shivaj K B*  
Shivaj Kishor

Approved By

*Pankil Patel*  
Pankil Patel



END

# **Ambient Noise Report**

Reporting Date:-05.06.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Moti Bhujpar Village		
Sampling Date			01.05.2023		
Sampling Instrument		Sound Level Meter		Ldn	49.8
Lmax (Day)		55.4		Lmax (Night)	49.2
Lmin (Day)		45.9		Lmin (Night)	44.3
Leq (Day)		50.7		Leq (Night)	46.9
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
1.	06:00 - 07:00	48.3	dB (A) Leq	IS 9989	75
2.	07:00 - 08:00	49.2	dB (A) Leq	IS 9989	75
3.	08:00 - 09:00	50.2	dB (A) Leq	IS 9989	75
4.	09:00 - 10:00	50.4	dB (A) Leq	IS 9989	75
5.	10:00 - 11:00	52.2	dB (A) Leq	IS 9989	75
6.	11:00 - 12:00	50.8	dB (A) Leq	IS 9989	75
7.	12:00 - 13:00	52.7	dB (A) Leq	IS 9989	75
8.	13:00 - 14:00	48.0	dB (A) Leq	IS 9989	75
9.	14:00 - 15:00	47.1	dB (A) Leq	IS 9989	75
10.	15:00 - 16:00	46.6	dB (A) Leq	IS 9989	75
11.	16:00 - 17:00	54.4	dB (A) Leq	IS 9989	75
12.	17:00 - 18:00	52.4	dB (A) Leq	IS 9989	75







Reporting Date:-05.06.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Moti Bhujpar Village		
Sampling Date			01.05.2023		
Sampling Instrument		Sound Level Meter		Ldn	49.8
Lmax (Day)		55.4		Lmax (Night)	49.2
Lmin (Day)		45.9		Lmin (Night)	44.3
Leq (Day)		50.7		Leq (Night)	46.9
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
13.	18:00 - 19:00	53.5	dB (A) Leq	IS 9989	75
14.	19:00 - 20:00	48.3	dB (A) Leq	IS 9989	75
15.	20:00 - 21:00	50.2	dB (A) Leq	IS 9989	75
16.	21:00 - 22:00	47.1	dB (A) Leq	IS 9989	75
17.	22:00 - 23:00	46.0	dB (A) Leq	IS 9989	70
18.	23:00 - 12:00	48.4	dB (A) Leq	IS 9989	70
19.	12:00 - 01:00	48.6	dB (A) Leq	IS 9989	70
20.	01:00 - 02:00	47.2	dB (A) Leq	IS 9989	70
21.	02:00 - 03:00	45.8	dB (A) Leq	IS 9989	70
22.	03:00 - 04:00	45.4	dB (A) Leq	IS 9989	70
23.	04:00 - 05:00	46.8	dB (A) Leq	IS 9989	70
24.	05:00 - 06:00	45.6	dB (A) Leq	IS 9989	70

Analysis By  
*Shiyal Kishor*  
Shiyal Kishor

Approved By  
*Pankil Patel*  
Pankil Patel

END



Reporting Date:-05.06.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Zarapara Village		
Sampling Date			04.05.2023		
Sampling Instrument		Sound Level Meter		Ldn	49.4
Lmax (Day)		55.1		Lmax (Night)	47.3
Lmin (Day)		45.6		Lmin (Night)	42.2
Leq (Day)		50.6		Leq (Night)	44.8
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
1.	06:00 - 07:00	46.8	dB (A) Leq	IS 9989	75
2.	07:00 - 08:00	47.2	dB (A) Leq	IS 9989	75
3.	08:00 - 09:00	47.8	dB (A) Leq	IS 9989	75
4.	09:00 - 10:00	48.2	dB (A) Leq	IS 9989	75
5.	10:00 - 11:00	49.5	dB (A) Leq	IS 9989	75
6.	11:00 - 12:00	51.2	dB (A) Leq	IS 9989	75
7.	12:00 - 13:00	52.9	dB (A) Leq	IS 9989	75
8.	13:00 - 14:00	51.4	dB (A) Leq	IS 9989	75
9.	14:00 - 15:00	52.9	dB (A) Leq	IS 9989	75
10.	15:00 - 16:00	52.8	dB (A) Leq	IS 9989	75
11.	16:00 - 17:00	51.9	dB (A) Leq	IS 9989	75
12.	17:00 - 18:00	53.0	dB (A) Leq	IS 9989	75





# Go Green Mechanisms Pvt.Ltd.

Reporting Date:-05.06.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Zarapara Village		
Sampling Date			04.05.2023		
Sampling Instrument		Sound Level Meter		Ldn	49.4
Lmax (Day)		55.1		Lmax (Night)	47.3
Lmin (Day)		45.6		Lmin (Night)	42.2
Leq (Day)		50.6		Leq (Night)	44.8
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
13.	18:00 - 19:00	52.7	dB (A) Leq	IS 9989	75
14.	19:00 - 20:00	50.2	dB (A) Leq	IS 9989	75
15.	20:00 - 21:00	47.3	dB (A) Leq	IS 9989	75
16.	21:00 - 22:00	47.9	dB (A) Leq	IS 9989	75
17.	22:00 - 23:00	45.7	dB (A) Leq	IS 9989	70
18.	23:00 - 12:00	45.0	dB (A) Leq	IS 9989	70
19.	12:00 - 01:00	46.1	dB (A) Leq	IS 9989	70
20.	01:00 - 02:00	43.9	dB (A) Leq	IS 9989	70
21.	02:00 - 03:00	44.2	dB (A) Leq	IS 9989	70
22.	03:00 - 04:00	45.7	dB (A) Leq	IS 9989	70
23.	04:00 - 05:00	43.0	dB (A) Leq	IS 9989	70
24.	05:00 - 06:00	44.3	dB (A) Leq	IS 9989	70

Analysis By  
*Shiyal K.B.*  
Shiyal Kishor

Approved By  
*Pankil Patel*  
Pankil Patel

END



Reporting Date:-05.06.2023

## AMBIENT NOISE MONITORING REPORT

Company Name		Kutch Copper Limited			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Shiracha Village		
Sampling Date			08.05.2023		
Sampling Instrument		Sound Level Meter		Ldn	51.8
Lmax (Day)		57.6	Lmax (Night)		52.3
Lmin (Day)		44.8	Lmin (Night)		41.7
Leq (Day)		52.8	Leq (Night)		44.0
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
1.	06:00 - 07:00	45.9	dB (A) Leq	IS 9989	65
2.	07:00 - 08:00	47.2	dB (A) Leq	IS 9989	65
3.	08:00 - 09:00	49.3	dB (A) Leq	IS 9989	65
4.	09:00 - 10:00	53.2	dB (A) Leq	IS 9989	65
5.	10:00 - 11:00	54.9	dB (A) Leq	IS 9989	65
6.	11:00 - 12:00	51.8	dB (A) Leq	IS 9989	65
7.	12:00 - 13:00	55.2	dB (A) Leq	IS 9989	65
8.	13:00 - 14:00	53.8	dB (A) Leq	IS 9989	65
9.	14:00 - 15:00	54.9	dB (A) Leq	IS 9989	65
10.	15:00 - 16:00	56.1	dB (A) Leq	IS 9989	65
11.	16:00 - 17:00	55.7	dB (A) Leq	IS 9989	65
12.	17:00 - 18:00	53.8	dB (A) Leq	IS 9989	65





Reporting Date:-05.06.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>	<b>Kutch Copper Limited</b>
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### On Site 24 Hourly Monitoring Results

Sample Type	Ambient Noise Monitoring				
Location	Shiracha Village				
Sampling Date	08.05.2023				
Sampling Instrument	Sound Level Meter	Ldn	51.3		
Lmax (Day)	57.6	Lmax (Day)	52.3		
Lmin (Day)	44.8	Lmin (Day)	41.7		
Leq (Day)	52.8	Leq (Day)	44.0		
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
13.	18:00 - 19:00	51.5	dB (A) Leq	IS 9989	65
14.	19:00 - 20:00	50.3	dB (A) Leq	IS 9989	65
15.	20:00 - 21:00	46.5	dB (A) Leq	IS 9989	65
16.	21:00 - 22:00	45.2	dB (A) Leq	IS 9989	65
17.	22:00 - 23:00	46.1	dB (A) Leq	IS 9989	55
18.	23:00 - 12:00	43.8	dB (A) Leq	IS 9989	55
19.	12:00 - 01:00	42.6	dB (A) Leq	IS 9989	55
20.	01:00 - 02:00	43.0	dB (A) Leq	IS 9989	55
21.	02:00 - 03:00	44.3	dB (A) Leq	IS 9989	55
22.	03:00 - 04:00	45.0	dB (A) Leq	IS 9989	55
23.	04:00 - 05:00	42.8	dB (A) Leq	IS 9989	55
24.	05:00 - 06:00	43.3	dB (A) Leq	IS 9989	55

Analysis By  
*Shiyal Kishor*  
Shiyal Kishor

Approved By  
*Pankil Patel*  
Pankil Patel

END



# Go Green Mechanisms Pvt.Ltd.

Reporting Date:-05.06.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Mota Kandagara Village		
Sampling Date			11.05.2023		
Sampling Instrument		Sound Level Meter		Ldn	52.6
Lmax (Day)		59.3		Lmax (Night)	49.9
Lmin (Day)		44.7		Lmin (Night)	42.6
Leq (Day)		54.1		Leq (Night)	45.8
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
1.	06:00 - 07:00	50.7	dB (A) Leq	IS 9989	75
2.	07:00 - 08:00	48.6	dB (A) Leq	IS 9989	75
3.	08:00 - 09:00	52.3	dB (A) Leq	IS 9989	75
4.	09:00 - 10:00	54.8	dB (A) Leq	IS 9989	75
5.	10:00 - 11:00	58.7	dB (A) Leq	IS 9989	75
6.	11:00 - 12:00	56.7	dB (A) Leq	IS 9989	75
7.	12:00 - 13:00	54.8	dB (A) Leq	IS 9989	75
8.	13:00 - 14:00	52.9	dB (A) Leq	IS 9989	75
9.	14:00 - 15:00	51.0	dB (A) Leq	IS 9989	75
10.	15:00 - 16:00	54.8	dB (A) Leq	IS 9989	75
11.	16:00 - 17:00	55.4	dB (A) Leq	IS 9989	75
12.	17:00 - 18:00	57.2	dB (A) Leq	IS 9989	75





# Go Green Mechanisms Pvt.Ltd.

Reporting Date:-05.06.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Mota Kandagra Village		
Sampling Date			11.05.2023		
Sampling Instrument		Sound Level Meter	Ldn	52.6	
Lmax (Day)		59.3	Lmax (Night)	49.9	
Lmin (Day)		44.7	Lmin (Night)	42.6	
Leq (Day)		54.1	Leq (Night)	45.8	
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
13.	18:00 - 19:00	53.9	dB (A) Leq	IS 9989	75
14.	19:00 - 20:00	50.7	dB (A) Leq	IS 9989	75
15.	20:00 - 21:00	47.2	dB (A) Leq	IS 9989	75
16.	21:00 - 22:00	45.2	dB (A) Leq	IS 9989	75
17.	22:00 - 23:00	46.2	dB (A) Leq	IS 9989	70
18.	23:00 - 12:00	44.8	dB (A) Leq	IS 9989	70
19.	12:00 - 01:00	44.2	dB (A) Leq	IS 9989	70
20.	01:00 - 02:00	43.8	dB (A) Leq	IS 9989	70
21.	02:00 - 03:00	45.0	dB (A) Leq	IS 9989	70
22.	03:00 - 04:00	44.6	dB (A) Leq	IS 9989	70
23.	04:00 - 05:00	46.3	dB (A) Leq	IS 9989	70
24.	05:00 - 06:00	48.8	dB (A) Leq	IS 9989	70

Analysis By

Shiyal Kishor



Approved By

Pankil Patel

END



Reporting Date:-05.06.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Moti Bhujpar Village		
Sampling Date			15.05.2023		
Sampling Instrument		Sound Level Meter		Ldn	52.4
Lmax (Day)		59.6		Lmax (Night)	51.3
Lmin (Day)		49.8		Lmin (Night)	40.9
Leq (Day)		54.0		Leq (Night)	43.6
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
1.	06:00 - 07:00	51.2	dB (A) Leq	IS 9989	75
2.	07:00 - 08:00	53.4	dB (A) Leq	IS 9989	75
3.	08:00 - 09:00	50.8	dB (A) Leq	IS 9989	75
4.	09:00 - 10:00	52.8	dB (A) Leq	IS 9989	75
5.	10:00 - 11:00	53.5	dB (A) Leq	IS 9989	75
6.	11:00 - 12:00	54.3	dB (A) Leq	IS 9989	75
7.	12:00 - 13:00	58.4	dB (A) Leq	IS 9989	75
8.	13:00 - 14:00	55.3	dB (A) Leq	IS 9989	75
9.	14:00 - 15:00	57.6	dB (A) Leq	IS 9989	75
10.	15:00 - 16:00	53.6	dB (A) Leq	IS 9989	75
11.	16:00 - 17:00	54.8	dB (A) Leq	IS 9989	75
12.	17:00 - 18:00	56.1	dB (A) Leq	IS 9989	75






Reporting Date:- 05.06.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Moti Bhujpar Village		
Sampling Date			15.05.2023		
Sampling Instrument		Sound Level Meter	Ldn	52.4	
Lmax (Day)		59.6	Lmax (Night)	51.3	
Lmin (Day)		49.8	Lmin (Night)	40.9	
Leq (Day)		54.0	Leq (Night)	43.6	
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
13.	18:00 - 19:00	50.2	dB (A) Leq	IS 9989	75
14.	19:00 - 20:00	49.3	dB (A) Leq	IS 9989	75
15.	20:00 - 21:00	47.5	dB (A) Leq	IS 9989	75
16.	21:00 - 22:00	46.3	dB (A) Leq	IS 9989	75
17.	22:00 - 23:00	45.8	dB (A) Leq	IS 9989	70
18.	23:00 - 12:00	43.2	dB (A) Leq	IS 9989	70
19.	12:00 - 01:00	43.9	dB (A) Leq	IS 9989	70
20.	01:00 - 02:00	42.8	dB (A) Leq	IS 9989	70
21.	02:00 - 03:00	44.0	dB (A) Leq	IS 9989	70
22.	03:00 - 04:00	43.6	dB (A) Leq	IS 9989	70
23.	04:00 - 05:00	42.1	dB (A) Leq	IS 9989	70
24.	05:00 - 06:00	41.9	dB (A) Leq	IS 9989	70

Analysis By  
*Shiyal K.B.*  
 Shiyal Kishor

Approved By  
  
 Pankil Patel

END



Reporting Date:-05.06.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Mota Kandagara Village		
Sampling Date			18.05.2023		
Sampling Instrument		Sound Level Meter		Ldn	55.1
Lmax (Day)		60.2		Lmax (Night)	52.2
Lmin (Day)		49.9		Lmin (Night)	40.1
Leq (Day)		56.6		Leq (Night)	47.5
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
1.	06:00 - 07:00	52.3	dB (A) Leq	IS 9989	75
2.	07:00 - 08:00	54.6	dB (A) Leq	IS 9989	75
3.	08:00 - 09:00	54.8	dB (A) Leq	IS 9989	75
4.	09:00 - 10:00	56.2	dB (A) Leq	IS 9989	75
5.	10:00 - 11:00	55.8	dB (A) Leq	IS 9989	75
6.	11:00 - 12:00	56.9	dB (A) Leq	IS 9989	75
7.	12:00 - 13:00	59.2	dB (A) Leq	IS 9989	75
8.	13:00 - 14:00	58.3	dB (A) Leq	IS 9989	75
9.	14:00 - 15:00	59.6	dB (A) Leq	IS 9989	75
10.	15:00 - 16:00	57.1	dB (A) Leq	IS 9989	75
11.	16:00 - 17:00	58.8	dB (A) Leq	IS 9989	75
12.	17:00 - 18:00	57.9	dB (A) Leq	IS 9989	75





# Go Green Mechanisms Pvt.Ltd.

Reporting Date:-05.06.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Mota Kandagara Village		
Sampling Date			18.05.2023		
Sampling Instrument		Sound Level Meter		Ldn	55.1
Lmax (Day)		60.2		Lmax (Night)	52.2
Lmin (Day)		49.9		Lmin (Night)	40.1
Leq (Day)		56.6		Leq (Night)	47.5
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
13.	18:00 - 19:00	56.3	dB (A) Leq	IS 9989	75
14.	19:00 - 20:00	54.1	dB (A) Leq	IS 9989	75
15.	20:00 - 21:00	53.9	dB (A) Leq	IS 9989	75
16.	21:00 - 22:00	50.2	dB (A) Leq	IS 9989	75
17.	22:00 - 23:00	51.9	dB (A) Leq	IS 9989	70
18.	23:00 - 12:00	49.5	dB (A) Leq	IS 9989	70
19.	12:00 - 01:00	47.2	dB (A) Leq	IS 9989	70
20.	01:00 - 02:00	48.0	dB (A) Leq	IS 9989	70
21.	02:00 - 03:00	46.1	dB (A) Leq	IS 9989	70
22.	03:00 - 04:00	43.8	dB (A) Leq	IS 9989	70
23.	04:00 - 05:00	41.7	dB (A) Leq	IS 9989	70
24.	05:00 - 06:00	40.9	dB (A) Leq	IS 9989	70

Analysis By  
*Shiyal Kishor*  
Shiyal Kishor



Approved By  
*Pankil Patel*  
Pankil Patel

Report Issued to:

**Kutch Copper Limited**

**At & PO: Mundra, Kutch 370421  
Gujarat.**

ENVIRONMENTAL MONTHLY MONITORING REPORT

MONTH OF JUNE'23



Go Green Mechanisms Pvt. Ltd.



Contact: 7069072008/10

Email: [lab@gogreenmechanisms.com](mailto:lab@gogreenmechanisms.com)

**Ref: GGMPL2023/OT49C dated 15.07.2023**

**To,**  
**Kutch Copper Limited**  
At & Po: Mundra, Kutch 370421 Gujarat

**Subject: Submission of Monthly Report for the Kutch Copper Limited**

Respected Sir,

This is to inform you that we, hereby are submitting the Monitoring Report for the Month of June 2023.

Below given is the Sample Quantity along with Sample type for your reference.

Sr. No.	Description	Total Number of Reports/Samples
1.	Ambient Air Reports	32
3.	Ambient Noise Reports	06
5.	Ground Water Reports	04
6.	Soil Report	01

Thanks and Regards



For Go Green Mechanisms Pvt Ltd



# **Ground Water Report**



# Go Green Mechanisms Pvt.Ltd.

Reporting Date: - 06.07.2023

## WATER ANALYSIS REPORT

Company Name		Kutch Copper Limited							
Sample Type		Ground Water							
Sample Quantity		3.5 L							
Date of Sampling		12.06.2023							
Analysis Period		13.06.2023 - 19.06.2023							
Sl. No.	Parameter	Unit	Location				Test Method	IS 10500:2012	
			Shiracha Village	Zarpara Village	MotiBhujpar Village	MotaKanda gra Village		AL	PL
1.	pH@25 °C	-	7.56	7.57	7.58	7.64	IS 3025-Part11	6.5-8.5	No relaxation
2.	Turbidity	NTU	BQL (QL=0.1)	BQL (QL=0.1)	BQL (QL=0.1)	BQL (QL=0.1)	APHA 23 <sup>rd</sup> Edn(2130 B)	1	5
3.	Total Dissolved Solids	mg/L	221.0	401.0	613.0	593.0	APHA23rd Edn(2540 C)	500	2000
4.	Total Hardness as CaCO <sub>3</sub>	mg/L	120.0	183.0	366.0	273.0	APHA23rd Edn(2340 C)	200	600
5.	Alkalinity as CaCO <sub>3</sub>	mg/L	79.00	136.00	278.00	251.00	APHA23rd Edn (2230B)	200	600
6.	Calcium as Ca	mg/L	25.65	41.28	110.62	64.53	APHA23rdEdn (3500Ca B)	75	200
7.	Chloride	mg/L	58.98	93.47	101.97	135.46	IS 3025-Part23	250	1000
8.	Sulphate	mg/L	29.52	92.73	140.21	95.16	APHA23rdEdn (4500SO <sub>4</sub> E)	200	400
9.	Nitrate	mg/L	1.02	BQL(QL=0.5)	1.91	1.40	APHA23rdEdn (4500NO <sub>3</sub> B)	45	No relaxation
10.	Iron	mg/L	BQL(QL=0.05)	BQL(QL=0.05)	BQL(QL=0.05)	BQL(QL=0.05)	APHA 23rdEdn (3120 B)	0.3	No relaxation
11.	Fluoride	mg/L	BQL (QL=0.1)	0.29	0.35	0.25	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)	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)	BQL(QL=0.02)	APHA 23rdEdn (3120 B)	5	15
14.	Magnesium (Mg)	mg/L	13.61	19.44	21.87	27.22	APHA23rdEdn (3500MgB)	30	100
15.	Residual Chlorine	mg/L	BQL (QL=0.05)	BQL (QL=0.05)	BQL (QL=0.05)	BQL (QL=0.05)	APHA23rdEdn (4500 Cl B)	0.2	1.0
16.	Colour	CU	BQL (QL=1)	BQL (QL=1)	BQL (QL=1)	BQL (QL=1)	IS 3025- Part 4	5	15
17.	Odour	-	Agreeable	Agreeable	Agreeable	Agreeable	IS 3025 - Part 5	Agreeable	Agreeable
18.	Temperature	°C	26.4	26.9	25.9	26.1	APHA23rdEdn (2550B)	NS	NS
19.	Taste	-	Agreeable	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)	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)	BQL (QL=0.025)	GGMPL/SOP/W/ 43	0.05	No relaxation
22.	Aluminium (Al)	mg/L	BQL (QL=0.02)	BQL (QL=0.02)	BQL (QL=0.02)	BQL (QL=0.02)	APHA23rdEdn (3120 B)	0.03	0.2
23.	Arsenic (As)	mg/L	BQL (QL=0.005)	BQL (QL=0.005)	BQL (QL=0.005)	BQL (QL=0.005)	APHA23rdEdn (3120 B)	0.01	0.05
24.	Boron (B)	mg/L	BQL (QL=0.05)	BQL (QL=0.05)	BQL (QL=0.05)	BQL (QL=0.05)	APHA23rdEdn (3120 B)	0.5	1.0
25.	Cadmium (Cd)	mg/L	BQL (QL=0.002)	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)	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)	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)	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)	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)	BQL (QL=0.005)	APHA23rdEdn (3120 B)	0.01	No relaxation







# Go Green Mechanisms Pvt.Ltd.

31.	Anionic Surface Active Agents	mg/L	BQL (QL=0.05)	BQL (QL=0.05)	BQL (QL=0.05)	BQL (QL=0.05)	APHA23rdEdn (5540 C)	0.2	1.0
32.	E.Coli	MPN/100ml	Absent	Absent	Absent	Absent	IS 1622	-	Absent
33.	Total Coliform	MPN/100ml	Absent	Absent	Absent	Absent	IS 1622	-	Absent

BQL - Below Quantification Limit

Analysis By

*Shiyul K.B.*  
Shiyul Kishor



Approved By

*P.*  
Pankil Patel

.....END.....

# **Ambient Air Report**



# Go Green Mechanisms Pvt.Ltd.

Reporting Date: - 06.07.2023

## AMBIENT AIR QUALITY ANALYSIS REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>											
		<b>On Site 24 Hourly Monitoring Results</b>											
<b>Sample Type</b>		<b>AMBIENT AIR QUALITY MONITORING</b>											
<b>Location Name</b>		<b>Mota Kandagra Village</b>											
Parameters		PM (<10)	PM (<2.5)	SO <sub>2</sub>	NO <sub>2</sub>	O <sub>3</sub>	NH <sub>3</sub>	CO	Benzene	B@P	Pb	Ni	As
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
Test Method		IS 5182-Part23	GGMPL/SOP/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
NAAQ Standards		100	60	80	80	100	400	4	5	1	1	20	6
Sampling Start Date	Sampling End Date												
1.	01.06.2023	69.53	36.24	14.92	25.13	-	-	-	-	-	-	-	-
2.	06.06.2023	66.42	34.58	13.94	23.75	-	-	-	-	-	-	-	-
3.	08.06.2023	61.27	31.66	13.04	22.83	-	-	-	-	-	-	-	-





# Go Green Mechanisms Pvt.Ltd.

4.	12.06.2023	13.06.2023	65.64	34.16	13.98	22.92	-	-	-	-	-	-	-	-	-	-	-	-	-	BQL (QL=1)	
5.	19.06.2023	20.06.2023	69.50	36.24	14.88	23.75	13.99	16.67	0.27	-	-	-	-	-	-	-	-	-	-	BQL (QL=5)	
6.	22.06.2023	23.06.2023	64.26	32.08	13.62	22.34	-	-	-	-	-	-	-	-	-	-	-	-	-	BQL (QL=0.001)	
7.	26.06.2023	27.06.2023	60.44	31.24	12.06	20.99	-	-	-	-	-	-	-	-	-	-	-	-	-	BQL (QL=0.5)	
8.	29.06.2023	30.06.2023	59.81	32.49	11.70	24.03	-	-	-	-	-	-	-	-	-	-	-	-	-	BQL (QL=2.5)	
			<b>AVERAGE</b>	64.61	33.59	13.52	22.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Analysis By

*Shiyal K.B.*  
Shiyal Kishor



Approved By

*Pankil Patel*  
Pankil Patel

.....END.....



# Go Green Mechanisms Pvt.Ltd.

Reporting Date: - 06.07.2023

## AMBIENT AIR QUALITY ANALYSIS REPORT

Company Name		Kutch Copper Limited											
		On Site 24 Hourly Monitoring Results											
Sample Type		AMBIENT AIR QUALITY MONITORING											
Location Name		Shiracha Village											
Sr. No.	Parameters	PM (<10)	PM (<2.5)	SO <sub>2</sub>	NO <sub>2</sub>	O <sub>3</sub>	NH <sub>3</sub>	CO	Benzene	B@P	Pb	Ni	As
		µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	mg/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>
Test Method		IS 5182-Part23	GGMPL/SO 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
NAAQ Standards		100	60	80	80	100	400	4	5	1	1	20	6
Sampling Start Date	Sampling End Date												
1.	01.06.2023	65.32	33.74	13.40	22.37	-	-	-	-	-	-	-	-
2.	06.06.2023	61.09	31.66	12.59	20.13	-	-	-	-	-	-	-	-
3.	08.06.2023	66.18	34.58	13.67	22.83	-	-	-	-	-	-	-	-







# Go Green Mechanisms Pvt.Ltd.

Reporting Date: - 06.07.2023

## AMBIENT AIR QUALITY ANALYSIS REPORT

Company Name		Kutch Copper Limited											
Sample Type		On Site 24 Hourly Monitoring Results											
Sample Type		AMBIENT AIR QUALITY MONITORING											
Location Name		Zarapara Village											
Sr. No.	Parameters	PM (<10)	PM (<2.5)	SO <sub>2</sub>	NO <sub>2</sub>	O <sub>3</sub>	NH <sub>3</sub>	CO	Benzene	B@P	Pb	Ni	As
	Unit	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	mg/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>
	Test Method	IS 5182-Part23	GGMPL/SOP/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
	NAAQ Standards	100	60	80	80	100	400	4	5	1	1	20	6
	Sampling Start Date	Sampling End Date											
1.	01.06.2023	02.06.2023	65.97	34.16	13.98	22.58	-	-	-	-	-	-	-
2.	06.06.2023	07.06.2023	68.66	36.24	14.44	24.06	-	-	-	-	-	-	-
3.	08.06.2023	09.06.2023	59.59	33.74	13.76	22.37	-	-	-	-	-	-	-





# Go Green Mechanisms Pvt.Ltd.

4.	12.06.2023	13.06.2023	60.79	31.66	13.62	21.60	-	-	-	-	-	-	-	-	-	-	-	-	BQL (QL=1)
5.	19.06.2023	20.06.2023	64.16	34.16	14.11	23.32	16.85	14.37	0.37	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)					
6.	22.06.2023	23.06.2023	62.44	31.66	12.99	22.65	-	-	-	-	-	-	-	-	-	-	-	-	-
7.	26.06.2023	27.06.2023	66.53	34.58	13.94	22.58	-	-	-	-	-	-	-	-	-	-	-	-	-
8.	29.06.2023	30.06.2023	61.62	32.08	13.67	21.85	-	-	-	-	-	-	-	-	-	-	-	-	-
			<b>AVERAGE</b>	63.72	33.53	13.81	22.63	-	-	-	-	-	-	-	-	-	-	-	-

Analysis By

*Shiyal K.B.*  
Shiyal Kishor



Approved By

*P*  
Pankil Patel

.....END.....





# Go Green Mechanisms Pvt.Ltd.

Reporting Date: -06.07.2023

## AMBIENT AIR QUALITY ANALYSIS REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>										
		<b>On Site 24 Hourly Monitoring Results</b>										
<b>Sample Type</b>		<b>AMBIENT AIR QUALITY MONITORING</b>										
<b>Location Name</b>		<b>Moti Bhujpar Village</b>										
Parameters	PM (<10)	PM (<2.5)	SO <sub>2</sub>	NO <sub>2</sub>	O <sub>3</sub>	NH <sub>3</sub>	CO	Benzene	B@P	Pb	Ni	As
Unit	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	mg/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>
Test Method	IS 5182-Part23	GGMPL/SOP/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
NAAQ Standards	100	60	80	80	100	400	4	5	1	1	20	6
Sr. No.	Sampling Start Date	Sampling End Date										
1.	01.06.2023	02.06.2023	59.55	29.16	12.55	17.92	-	-	-	-	-	-
2.	06.06.2023	07.06.2023	62.12	30.83	13.76	20.16	-	-	-	-	-	-
3.	08.06.2023	09.06.2023	63.61	33.74	14.87	22.09	-	-	-	-	-	-





# **Ambient Noise Report**

Reporting Date:-06.07.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Moti Bhujpar Village		
Sampling Date			01.06.2023		
Sampling Instrument		Sound Level Meter		Ldn	48.2
Lmax (Day)		53.7		Lmax (Night)	43.9
Lmin (Day)		41.9		Lmin (Night)	40.0
Leq (Day)		49.6		Leq (Night)	42.1
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
1.	06:00 - 07:00	47.3	dB (A) Leq	IS 9989	75
2.	07:00 - 08:00	48.2	dB (A) Leq	IS 9989	75
3.	08:00 - 09:00	49.3	dB (A) Leq	IS 9989	75
4.	09:00 - 10:00	53.6	dB (A) Leq	IS 9989	75
5.	10:00 - 11:00	51.4	dB (A) Leq	IS 9989	75
6.	11:00 - 12:00	50.8	dB (A) Leq	IS 9989	75
7.	12:00 - 13:00	53.7	dB (A) Leq	IS 9989	75
8.	13:00 - 14:00	51.6	dB (A) Leq	IS 9989	75
9.	14:00 - 15:00	52.8	dB (A) Leq	IS 9989	75
10.	15:00 - 16:00	46.4	dB (A) Leq	IS 9989	75
11.	16:00 - 17:00	45.5	dB (A) Leq	IS 9989	75
12.	17:00 - 18:00	42.8	dB (A) Leq	IS 9989	75



Reporting Date:-06.07.2023

## AMBIENT NOISE MONITORING REPORT

**Company Name**

**Kutch Copper Limited**

### On Site 24 Hourly Monitoring Results

Sample Type		Ambient Noise Monitoring			
Location		Moti Bhujpar Village			
Sampling Date		01.06.2023			
Sampling Instrument	Sound Level Meter	Ldn	48.2		
Lmax (Day)	53.7	Lmax (Night)	43.9		
Lmin (Day)	41.9	Lmin (Night)	40.0		
Leq (Day)	49.6	Leq (Night)	42.1		
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
13.	18:00 - 19:00	42.2	dB (A) Leq	IS 9989	75
14.	19:00 - 20:00	41.9	dB (A) Leq	IS 9989	75
15.	20:00 - 21:00	46.3	dB (A) Leq	IS 9989	75
16.	21:00 - 22:00	45.0	dB (A) Leq	IS 9989	75
17.	22:00 - 23:00	43.9	dB (A) Leq	IS 9989	70
18.	23:00 - 12:00	43.1	dB (A) Leq	IS 9989	70
19.	12:00 - 01:00	42.9	dB (A) Leq	IS 9989	70
20.	01:00 - 02:00	40.8	dB (A) Leq	IS 9989	70
21.	02:00 - 03:00	41.7	dB (A) Leq	IS 9989	70
22.	03:00 - 04:00	42.2	dB (A) Leq	IS 9989	70
23.	04:00 - 05:00	40.9	dB (A) Leq	IS 9989	70
24.	05:00 - 06:00	40.0	dB (A) Leq	IS 9989	70

Analysis By

*Shiyal K.B.*  
Shiyal Kishor

Approved By

*Pankil Patel*  
Pankil Patel

END

Reporting Date:-06.07.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Zarapara Village		
Sampling Date			06.06.2023		
Sampling Instrument		Sound Level Meter	Ldn	50.4	
Lmax (Day)		54.9	Lmax (Night)	48.6	
Lmin (Day)		44.7	Lmin (Night)	39.6	
Leq (Day)		51.9	Leq (Night)	43.8	
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
1.	06:00 - 07:00	49.7	dB (A) Leq	IS 9989	75
2.	07:00 - 08:00	48.2	dB (A) Leq	IS 9989	75
3.	08:00 - 09:00	51.8	dB (A) Leq	IS 9989	75
4.	09:00 - 10:00	53.9	dB (A) Leq	IS 9989	75
5.	10:00 - 11:00	52.7	dB (A) Leq	IS 9989	75
6.	11:00 - 12:00	50.9	dB (A) Leq	IS 9989	75
7.	12:00 - 13:00	53.9	dB (A) Leq	IS 9989	75
8.	13:00 - 14:00	54.1	dB (A) Leq	IS 9989	75
9.	14:00 - 15:00	53.6	dB (A) Leq	IS 9989	75
10.	15:00 - 16:00	54.9	dB (A) Leq	IS 9989	75
11.	16:00 - 17:00	51.8	dB (A) Leq	IS 9989	75
12.	17:00 - 18:00	50.2	dB (A) Leq	IS 9989	75



Reporting Date:-06.07.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Zarapara Village		
Sampling Date			06.06.2023		
Sampling Instrument		Sound Level Meter	Ldn	50.4	
Lmax (Day)		54.9	Lmax (Night)	48.6	
Lmin (Day)		44.7	Lmin (Night)	39.6	
Leq (Day)		51.9	Leq (Night)	43.8	
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
13.	18:00 - 19:00	50.2	dB (A) Leq	IS 9989	75
14.	19:00 - 20:00	47.3	dB (A) Leq	IS 9989	75
15.	20:00 - 21:00	44.7	dB (A) Leq	IS 9989	75
16.	21:00 - 22:00	46.3	dB (A) Leq	IS 9989	75
17.	22:00 - 23:00	48.6	dB (A) Leq	IS 9989	70
18.	23:00 - 12:00	45.9	dB (A) Leq	IS 9989	70
19.	12:00 - 01:00	41.2	dB (A) Leq	IS 9989	70
20.	01:00 - 02:00	40.5	dB (A) Leq	IS 9989	70
21.	02:00 - 03:00	41.6	dB (A) Leq	IS 9989	70
22.	03:00 - 04:00	42.5	dB (A) Leq	IS 9989	70
23.	04:00 - 05:00	41.8	dB (A) Leq	IS 9989	70
24.	05:00 - 06:00	39.6	dB (A) Leq	IS 9989	70

Analysis By  
*Shiyal K.B.*  
Shiyal Kishor

Approved By  
*P*  
Pankil Patel



.....  
END  
.....

**Reporting Date:-06.07.2023**

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Shiracha Village		
Sampling Date			08.06.2023		
Sampling Instrument		Sound Level Meter	Ldn	50.1	
Lmax (Day)		56.3	Lmax (Night)	47.5	
Lmin (Day)		43.5	Lmin (Night)	40.1	
Leq (Day)		51.5	Leq (Night)	43.7	
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
1.	06:00 - 07:00	43.5	dB (A) Leq	IS 9989	65
2.	07:00 - 08:00	45.2	dB (A) Leq	IS 9989	65
3.	08:00 - 09:00	44.1	dB (A) Leq	IS 9989	65
4.	09:00 - 10:00	49.8	dB (A) Leq	IS 9989	65
5.	10:00 - 11:00	50.2	dB (A) Leq	IS 9989	65
6.	11:00 - 12:00	52.7	dB (A) Leq	IS 9989	65
7.	12:00 - 13:00	55.1	dB (A) Leq	IS 9989	65
8.	13:00 - 14:00	56.3	dB (A) Leq	IS 9989	65
9.	14:00 - 15:00	53.9	dB (A) Leq	IS 9989	65
10.	15:00 - 16:00	52.8	dB (A) Leq	IS 9989	65
11.	16:00 - 17:00	54.2	dB (A) Leq	IS 9989	65
12.	17:00 - 18:00	50.9	dB (A) Leq	IS 9989	65

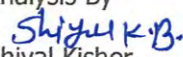




Reporting Date:-06.07.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Shiracha Village		
Sampling Date			08.06.2023		
Sampling Instrument		Sound Level Meter		Ldn	50.1
Lmax (Day)		56.3		Lmax (Day)	47.5
Lmin (Day)		43.5		Lmin (Day)	40.1
Leq (Day)		51.5		Leq (Day)	43.7
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
13.	18:00 - 19:00	49.2	dB (A) Leq	IS 9989	65
14.	19:00 - 20:00	45.8	dB (A) Leq	IS 9989	65
15.	20:00 - 21:00	47.3	dB (A) Leq	IS 9989	65
16.	21:00 - 22:00	44.2	dB (A) Leq	IS 9989	65
17.	22:00 - 23:00	46.1	dB (A) Leq	IS 9989	55
18.	23:00 - 12:00	47.5	dB (A) Leq	IS 9989	55
19.	12:00 - 01:00	43.0	dB (A) Leq	IS 9989	55
20.	01:00 - 02:00	42.8	dB (A) Leq	IS 9989	55
21.	02:00 - 03:00	42.1	dB (A) Leq	IS 9989	55
22.	03:00 - 04:00	40.9	dB (A) Leq	IS 9989	55
23.	04:00 - 05:00	41.5	dB (A) Leq	IS 9989	55
24.	05:00 - 06:00	40.1	dB (A) Leq	IS 9989	55

Analysis By  
  
 Shiyal Kishor



Approved By  
  
 Pankil Patel

.....END.....

Reporting Date:-06.07.2023

## AMBIENT NOISE MONITORING REPORT

**Company Name**

**Kutch Copper Limited**

### On Site 24 Hourly Monitoring Results

Sample Type		Ambient Noise Monitoring			
Location		Zarapara Village			
Sampling Date		12.06.2023			
Sampling Instrument	Sound Level Meter	Ldn	50.7		
Lmax (Day)	57.4	Lmax (Night)	47.5		
Lmin (Day)	46.8	Lmin (Night)	39.2		
Leq (Day)	52.3	Leq (Night)	42.3		
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
1.	06:00 - 07:00	48.9	dB (A) Leq	IS 9989	75
2.	07:00 - 08:00	47.1	dB (A) Leq	IS 9989	75
3.	08:00 - 09:00	50.5	dB (A) Leq	IS 9989	75
4.	09:00 - 10:00	51.2	dB (A) Leq	IS 9989	75
5.	10:00 - 11:00	50.7	dB (A) Leq	IS 9989	75
6.	11:00 - 12:00	51.9	dB (A) Leq	IS 9989	75
7.	12:00 - 13:00	56.1	dB (A) Leq	IS 9989	75
8.	13:00 - 14:00	54.4	dB (A) Leq	IS 9989	75
9.	14:00 - 15:00	55.1	dB (A) Leq	IS 9989	75
10.	15:00 - 16:00	53.7	dB (A) Leq	IS 9989	75
11.	16:00 - 17:00	54.6	dB (A) Leq	IS 9989	75
12.	17:00 - 18:00	53.9	dB (A) Leq	IS 9989	75



Reporting Date:-06.07.2023

## AMBIENT NOISE MONITORING REPORT

**Company Name**

**Kutch Copper Limited**

### On Site 24 Hourly Monitoring Results

Sample Type		Ambient Noise Monitoring			
Location		Zarapara Village			
Sampling Date		12.06.2023			
Sampling Instrument	Sound Level Meter	Ldn	50.7		
Lmax (Day)	57.4	Lmax (Night)	47.5		
Lmin (Day)	46.8	Lmin (Night)	39.2		
Leq (Day)	52.3	Leq (Night)	42.3		
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
13.	18:00 - 19:00	50.2	dB (A) Leq	IS 9989	75
14.	19:00 - 20:00	49.8	dB (A) Leq	IS 9989	75
15.	20:00 - 21:00	45.7	dB (A) Leq	IS 9989	75
16.	21:00 - 22:00	46.1	dB (A) Leq	IS 9989	75
17.	22:00 - 23:00	44.9	dB (A) Leq	IS 9989	70
18.	23:00 - 12:00	42.1	dB (A) Leq	IS 9989	70
19.	12:00 - 01:00	43.9	dB (A) Leq	IS 9989	70
20.	01:00 - 02:00	40.2	dB (A) Leq	IS 9989	70
21.	02:00 - 03:00	41.8	dB (A) Leq	IS 9989	70
22.	03:00 - 04:00	40.7	dB (A) Leq	IS 9989	70
23.	04:00 - 05:00	42.0	dB (A) Leq	IS 9989	70
24.	05:00 - 06:00	40.1	dB (A) Leq	IS 9989	70

Analysis By

*Shiyal K.B.*  
Shiyal Kishor

Approved By

*P*  
Pankil Patel

END

Reporting Date:-06.07.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Mota Kandagara Village		
Sampling Date			19.06.2023		
Sampling Instrument		Sound Level Meter		Ldn	53.1
Lmax (Day)		59.2		Lmax (Night)	49.0
Lmin (Day)		47.9		Lmin (Night)	43.8
Leq (Day)		54.6		Leq (Night)	46.4
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
13.	18:00 - 19:00	53.8	dB (A) Leq	IS 9989	75
14.	19:00 - 20:00	49.6	dB (A) Leq	IS 9989	75
15.	20:00 - 21:00	51.2	dB (A) Leq	IS 9989	75
16.	21:00 - 22:00	47.9	dB (A) Leq	IS 9989	75
17.	22:00 - 23:00	45.2	dB (A) Leq	IS 9989	70
18.	23:00 - 12:00	49.0	dB (A) Leq	IS 9989	70
19.	12:00 - 01:00	45.6	dB (A) Leq	IS 9989	70
20.	01:00 - 02:00	47.4	dB (A) Leq	IS 9989	70
21.	02:00 - 03:00	46.2	dB (A) Leq	IS 9989	70
22.	03:00 - 04:00	44.1	dB (A) Leq	IS 9989	70
23.	04:00 - 05:00	43.8	dB (A) Leq	IS 9989	70
24.	05:00 - 06:00	47.6	dB (A) Leq	IS 9989	70

Analysis By  
*Shiyal K.B.*  
Shiyal Kishor



Approved By  
*Pankil Patel*  
Pankil Patel

END

Reporting Date:-06.07.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Mota Kandagara Village		
Sampling Date			19.06.2023		
Sampling Instrument		Sound Level Meter		Ldn	53.1
Lmax (Day)		59.2		Lmax (Night)	49.0
Lmin (Day)		47.9		Lmin (Night)	43.8
Leq (Day)		54.6		Leq (Night)	46.4
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
1.	06:00 - 07:00	50.6	dB (A) Leq	IS 9989	75
2.	07:00 - 08:00	48.9	dB (A) Leq	IS 9989	75
3.	08:00 - 09:00	51.7	dB (A) Leq	IS 9989	75
4.	09:00 - 10:00	53.7	dB (A) Leq	IS 9989	75
5.	10:00 - 11:00	58.6	dB (A) Leq	IS 9989	75
6.	11:00 - 12:00	55.3	dB (A) Leq	IS 9989	75
7.	12:00 - 13:00	59.2	dB (A) Leq	IS 9989	75
8.	13:00 - 14:00	53.5	dB (A) Leq	IS 9989	75
9.	14:00 - 15:00	52.1	dB (A) Leq	IS 9989	75
10.	15:00 - 16:00	56.8	dB (A) Leq	IS 9989	75
11.	16:00 - 17:00	54.3	dB (A) Leq	IS 9989	75
12.	17:00 - 18:00	56.5	dB (A) Leq	IS 9989	75



Reporting Date:-06.07.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Shiracha Village		
Sampling Date			22.06.2023		
Sampling Instrument		Sound Level Meter	Ldn	50.8	
Lmax (Day)		56.9	Lmax (Night)	48.0	
Lmin (Day)		44.3	Lmin (Night)	43.8	
Leq (Day)		52.0	Leq (Night)	45.8	
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
1.	06:00 - 07:00	47.2	dB (A) Leq	IS 9989	65
2.	07:00 - 08:00	48.9	dB (A) Leq	IS 9989	65
3.	08:00 - 09:00	46.2	dB (A) Leq	IS 9989	65
4.	09:00 - 10:00	49.0	dB (A) Leq	IS 9989	65
5.	10:00 - 11:00	53.7	dB (A) Leq	IS 9989	65
6.	11:00 - 12:00	51.6	dB (A) Leq	IS 9989	65
7.	12:00 - 13:00	54.8	dB (A) Leq	IS 9989	65
8.	13:00 - 14:00	53.0	dB (A) Leq	IS 9989	65
9.	14:00 - 15:00	50.1	dB (A) Leq	IS 9989	65
10.	15:00 - 16:00	49.6	dB (A) Leq	IS 9989	65
11.	16:00 - 17:00	55.8	dB (A) Leq	IS 9989	65
12.	17:00 - 18:00	56.9	dB (A) Leq	IS 9989	65

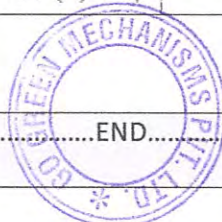


Reporting Date:- 06.07.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Shiracha Village		
Sampling Date			22.06.2023		
Sampling Instrument		Sound Level Meter	Ldn	50.8	
Lmax (Day)		56.9	Lmax (Night)	48.0	
Lmin (Day)		44.3	Lmin (Night)	43.8	
Leq (Day)		52.0	Leq (Night)	45.8	
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
13.	18:00 - 19:00	52.7	dB (A) Leq	IS 9989	65
14.	19:00 - 20:00	49.3	dB (A) Leq	IS 9989	65
15.	20:00 - 21:00	47.8	dB (A) Leq	IS 9989	65
16.	21:00 - 22:00	45.7	dB (A) Leq	IS 9989	65
17.	22:00 - 23:00	44.3	dB (A) Leq	IS 9989	55
18.	23:00 - 12:00	46.8	dB (A) Leq	IS 9989	55
19.	12:00 - 01:00	45.2	dB (A) Leq	IS 9989	55
20.	01:00 - 02:00	48.0	dB (A) Leq	IS 9989	55
21.	02:00 - 03:00	43.8	dB (A) Leq	IS 9989	55
22.	03:00 - 04:00	44.4	dB (A) Leq	IS 9989	55
23.	04:00 - 05:00	45.3	dB (A) Leq	IS 9989	55
24.	05:00 - 06:00	47.0	dB (A) Leq	IS 9989	55

Analysis By  
*Shiyal K.B.*  
Shiyal Kishor



Approved By  
*Pankil Patel*  
Pankil Patel

.....  
END  
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# Soil Report



## GO Green Mechanisms Pvt. Ltd.

## Analysis Results for the Month of June-2023

Company Name		Kutch Copper Limited	Reporting Date : 06.07.2023
Sample Type		Soil	
Sample Quantity		2 Kg	
Date of Sampling		19.06.2023	
Analysis Period		21.06.2023-26.06.2023	
SL. No.	PARAMETER	UNIT	Location Name
			Shiracha Village
1	Molybdenum	mg/kg	1.9512
2	Calcium as Ca	%	0.1841
3	Magnesium as Mg	%	0.1415
4	Zinc as Zn	%	0.0007
5	Manganese as Mn	%	0.0016
6	Potassium as K	%	0.0095
7	Iron as Fe	%	0.0026
8	Boron as B	%	0.0003
9	Chloride as Cl	%	0.0340
10	Nitrogen as N	%	0.0179
11	Soluble Sulphate	%	0.0028
12	Phosphorus as P	%	0.0005

BQL =Below Quantification Limit

Analysed By:

Shiyal Kishor

Approved By:

Pankil Patel

END



Report Issued to:

**Kutch Copper Limited**

**At & PO: Mundra, Kutch 370421  
Gujarat.**

ENVIRONMENTAL MONTHLY MONITORING REPORT

MONTH OF JULY'23



**Go Green Mechanisms Pvt. Ltd.**



Contact: 7069072008/10

Email: [lab@gogreenmechanisms.com](mailto:lab@gogreenmechanisms.com)

**Ref: GGMPL2023/OT04C dated 16.08.2023**

**To,**  
**Kutch Copper Limited**  
At & Po: Mundra, Kutch 370421 Gujarat

**Subject: Submission of Monthly Report for the Kutch Copper Limited**

Respected Sir,

This is to inform you that we, hereby are submitting the Monitoring Report for the Month of July 2023.

Below given is the Sample Quantity along with Sample type for your reference.

Sr. No.	Description	Total Number of Reports/Samples
1.	Ambient Air Reports	32
3.	Ambient Noise Reports	06
4.	Ground Water Reports	03
5.	Surface Water Report	01

Thanks and Regards



For Go Green Mechanisms Pvt Ltd



# **Ground Water Report**



# Go Green Mechanisms Pvt.Ltd.

Reporting Date: - 03.08.2023

## WATER ANALYSIS REPORT

Company Name		Kutch Copper Limited							
Sample Type	Water								
Sample Quantity	3.5 L								
Date of Sampling	13.07.2023								
Analysis Period	15.07.2023 - 21.07.2023								
Sl. No.	Parameter	Unit	Location				Test Method	IS 10500:2012	
			Shiracha Village (GW)	MotiBhujpar Village (GW)	Near Plant gate (GW)	Zarpara Village (SW)		AL	PL
1.	pH@25 °C	-	8.32	6.95	6.76	7.42	IS 3025-Part11	6.5-8.5	No relaxation
2.	Turbidity	NTU	BQL (QL=0.1)	BQL (QL=0.1)	BQL (QL=0.1)	BQL (QL=0.1)	APHA 23 <sup>rd</sup> Edn(2130 B)	1	5
3.	Total Dissolved Solids	mg/L	394.0	780.0	466.0	267.0	APHA23rd Edn(2540 C)	500	2000
4.	Total Hardness as CaCO <sub>3</sub>	mg/L	164.0	382.0	152.0	124.0	APHA23rd Edn(2340 C)	200	600
5.	Alkalinity as CaCO <sub>3</sub>	mg/L	120.00	280.00	144.00	98.00	APHA23rd Edn (2230B)	200	600
6.	Calcium as Ca	mg/L	36.87	76.95	39.28	24.85	APHA23rdEdn (3500Ca B)	75	200
7.	Chloride	mg/L	125.96	179.94	157.45	67.98	IS 3025-Part23	250	1000
8.	Sulphate	mg/L	42.63	120.18	39.38	33.09	APHA23rdEdn (4500SO <sub>4</sub> E)	200	400
9.	Nitrate	mg/L	1.52	2.12	1.46	0.58	APHA23rdEdn (4500NO <sub>3</sub> B)	45	No relaxation
10.	Iron	mg/L	BQL (QL=0.05)	BQL (QL=0.05)	BQL (QL=0.05)	BQL (QL=0.05)	APHA 23rdEdn (3120 B)	0.3	No relaxation
11.	Fluoride	mg/L	0.56	0.83	0.34	0.42	APHA 23rdEdn (4500 F D)	1	1.5
12.	Hexavalent Chromium as Cr <sub>6+</sub>	mg/L	BQL (QL=0.01)	BQL (QL=0.01)	BQL (QL=0.01)	BQL (QL=0.01)	APHA 23rdEdn (3500Cr B)	NS	NS



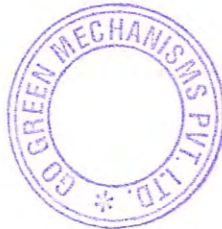
13.	Zinc (Zn)	mg/L	BQL (QL=0.02)	BQL (QL=0.02)	BQL (QL=0.02)	BQL (QL=0.02)	APHA 23rdEdn (3120 B)	5	15
14.	Magnesium (Mg)	mg/L	17.50	46.17	13.12	15.07	APHA23rdEdn (3500MgB)	30	100
15.	Residual Chlorine	mg/L	BQL (QL=0.05)	BQL (QL=0.05)	BQL (QL=0.05)	BQL (QL=0.05)	APHA23rdEdn (4500 Cl B)	0.2	1.0
16.	Colour	CU	BQL (QL=1)	BQL (QL=1)	BQL (QL=1)	BQL (QL=1)	IS 3025- Part 4	5	15
17.	Odour	-	Agreeable	Agreeable	Agreeable	Agreeable	IS 3025 - Part 5	Agreeable	Agreeable
18.	Temperature	°C	25.9	25.8	25.6	25.7	APHA23rdEdn (2550B)	NS	NS
19.	Taste	-	Agreeable	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)	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)	BQL (QL=0.025)	GGMPL/SOP/W/ 43	0.05	No relaxation
22.	Aluminium (Al)	mg/L	BQL (QL=0.02)	BQL (QL=0.02)	BQL (QL=0.02)	BQL (QL=0.02)	APHA23rdEdn (3120 B)	0.03	0.2
23.	Arsenic (As)	mg/L	BQL (QL=0.005)	BQL (QL=0.005)	BQL (QL=0.005)	BQL (QL=0.005)	APHA23rdEdn (3120 B)	0.01	0.05
24.	Boron (B)	mg/L	BQL (QL=0.05)	BQL (QL=0.05)	BQL (QL=0.05)	BQL (QL=0.05)	APHA23rdEdn (3120 B)	0.5	1.0
25.	Cadmium (Cd)	mg/L	BQL (QL=0.002)	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)	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)	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)	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)	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)	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)	BQL (QL=0.05)	APHA23rdEdn (5540 C)	0.2	1.0
32.	E.Coli	MPN/100ml	Absent	Absent	Absent	Absent	IS 1622	-	Absent
33.	Total Coliform	MPN/100ml	Absent	Absent	Absent	Absent	IS 1622	-	Absent

BQL - Below Quantification Limit

Analysis By  
*Kinjal*  
Kinjal Damor



Approved By  
*Pankil*  
Pankil Patel

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# **Ambient Air Report**





# Go Green Mechanisms Pvt.Ltd.

Reporting Date: - 03.08.2023

## AMBIENT AIR QUALITY ANALYSIS REPORT

**Company Name** Kutch Copper Limited

**On Site 24 Hourly Monitoring Results**

**Sample Type** AMBIENT AIR QUALITY MONITORING

**Location Name** Near Gate No.2

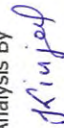
Sr. No.	Parameters	PM (<10)	PM (<2.5)	SO <sub>2</sub>	NO <sub>2</sub>	O <sub>3</sub>	NH <sub>3</sub>	CO	Benzene	B@P	Pb	Ni	As
		µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	mg/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>
		IS 5182-Part23	GGMPL/SOP/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
		100	60	80	80	100	400	4	5	1	1	20	6
		64.85	33.74	12.31	20.17	-	-	-	-	-	-	-	-
		60.48	31.24	11.56	19.08	12.06	14.13	0.25	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)
		57.15	28.33	10.59	17.69	-	-	-	-	-	-	-	-





# Go Green Mechanisms Pvt.Ltd.

4.	13.07.2023	14.07.2023	61.87	32.08	11.48	18.26	-	-	-	-	-	-	-	-	-	-	-
5.	17.07.2023	18.07.2023	64.87	33.74	12.27	20.45	-	-	-	-	-	-	-	-	-	-	-
6.	20.07.2023	21.07.2023	60.18	30.83	11.09	19.36	-	-	-	-	-	-	-	-	-	-	-
7.	24.07.2023	25.07.2023	56.09	27.08	12.24	18.17	-	-	-	-	-	-	-	-	-	-	-
8.	27.07.2023	28.07.2023	57.58	28.33	11.48	19.36	-	-	-	-	-	-	-	-	-	-	-
			<b>AVERAGE</b>	60.38	30.67	11.63	19.07	-	-	-	-	-	-	-	-	-	-

Analysis By  
  
 Kinjal Damor



Approved By  
  
 Pankil Patel

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# Go Green Mechanisms Pvt.Ltd.

Reporting Date: - 03.08.2023

## AMBIENT AIR QUALITY ANALYSIS REPORT

Company Name		Kutch Copper Limited											
		On Site 24 Hourly Monitoring Results											
Sample Type		AMBIENT AIR QUALITY MONITORING											
Location Name		Zarapara Village											
Sr. No.	Parameters	PM (<10)	PM (<2.5)	SO <sub>2</sub>	NO <sub>2</sub>	O <sub>3</sub>	NH <sub>3</sub>	CO	Benzene	B@P	Pb	Ni	As
	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
	Test Method	IS 5182-Part23	GGMPL/SOP/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
	NAAQ Standards	100	60	80	80	100	400	4	5	1	1	20	6
	Sampling Start Date	Sampling End Date											
1.	03.07.2023	04.07.2023	60.14	30.83	10.80	18.90	-	-	-	-	-	-	-
2.	06.07.2023	07.07.2023	63.09	33.33	11.44	19.08	12.71	0.34	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)
3.	10.07.2023	11.07.2023	54.99	25.83	9.82	17.45	-	-	-	-	-	-	-





# Go Green Mechanisms Pvt.Ltd.

4.	13.07.2023	14.07.2023	56.54	26.66	10.23	18.81	-	-	-	-	-	-	-	-	-	-	-
5.	17.07.2023	18.07.2023	59.18	29.99	11.54	17.69	-	-	-	-	-	-	-	-	-	-	-
6.	20.07.2023	21.07.2023	57.77	28.33	10.49	19.08	-	-	-	-	-	-	-	-	-	-	-
7.	24.07.2023	25.07.2023	61.33	31.66	11.76	18.26	-	-	-	-	-	-	-	-	-	-	-
8.	27.07.2023	28.07.2023	56.15	26.24	10.84	17.20	-	-	-	-	-	-	-	-	-	-	-
			<b>AVERAGE</b>	58.65	29.11	18.31	-	-	-	-	-	-	-	-	-	-	-

Analysis By  
  
 Kinjal Damor



Approved By  
  
 Pankil Patel

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# Go Green Mechanisms Pvt.Ltd.

Reporting Date: - 03.08.2023

## AMBIENT AIR QUALITY ANALYSIS REPORT

Company Name		Kutch Copper Limited												
Sample Type		On Site 24 Hourly Monitoring Results												
Location Name		Shiracha Village												
Sr. No.	Parameters	PM (<10)	PM (<2.5)	SO <sub>2</sub>	NO <sub>2</sub>	O <sub>3</sub>	NH <sub>3</sub>	CO	Benzene	B@P	Pb	Ni	As	
Unit	Test Method	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	ng/m3	µg/m3	ng/m3	ng/m3	
NAAQ Standards	Sampling Start Date	IS 5182-Part23	GGMPL/SO 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	
Sampling End Date	Sampling Start Date	100	60	80	80	100	400	4	5	1	1	20	6	
1.	03.07.2023	59.24	29.58	11.05	18.42	-	-	-	-	-	-	-	-	
2.	06.07.2023	57.56	27.49	10.52	17.45	13.30	11.30	0.29	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)	
3.	10.07.2023	62.31	31.24	11.88	19.08	-	-	-	-	-	-	-	-	





# Go Green Mechanisms Pvt.Ltd.

4.	13.07.2023	14.07.2023	55.51	26.24	9.83	17.99	-	-	-	-	-	-	-	-
5.	17.07.2023	18.07.2023	60.43	29.16	11.12	18.26	-	-	-	-	-	-	-	-
6.	20.07.2023	21.07.2023	62.86	32.49	12.59	18.17	-	-	-	-	-	-	-	-
7.	24.07.2023	25.07.2023	58.85	28.74	10.80	17.45	-	-	-	-	-	-	-	-
8.	27.07.2023	28.07.2023	57.79	27.91	11.26	18.17	-	-	-	-	-	-	-	-
		<b>AVERAGE</b>	59.12	28.74	10.94	18.11	-	-	-	-	-	-	-	-

Analysis By  
  
 Kinjal Damor



Approved By  
  
 Pankil Patel

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# Go Green Mechanisms Pvt.Ltd.

Reporting Date: -03.08.2023

## AMBIENT AIR QUALITY ANALYSIS REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>												
		<b>On Site 24 Hourly Monitoring Results</b>												
<b>Sample Type</b>		<b>AMBIENT AIR QUALITY MONITORING</b>												
<b>Location Name</b>		<b>Moti Bhujpar Village</b>												
Sr. No.	Parameters	PM (<10)	PM (<2.5)	SO <sub>2</sub>	NO <sub>2</sub>	O <sub>3</sub>	NH <sub>3</sub>	CO	Benzene	B@P	Pb	Ni	As	
	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	
	Test Method	IS 5182-Part23	GGMPL/SOP/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	
	NAAQ Standards	100	60	80	80	100	400	4	5	1	1	20	6	
	Sampling Start Date	Sampling End Date												
1.	03.07.2023	54.73	25.41	8.71	15.27	-	-	-	-	-	-	-	-	
2.	06.07.2023	57.58	27.08	9.76	18.17	11.45	9.89	0.22	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)	
3.	10.07.2023	58.35	28.74	10.87	19.14	-	-	-	-	-	-	-	-	





# Go Green Mechanisms Pvt.Ltd.

4.	13.07.2023	14.07.2023	59.54	29.16	10.45	18.42	-	-	-	-	-	-	-	-	-	-	-
5.	17.07.2023	18.07.2023	57.76	27.91	9.83	17.72	-	-	-	-	-	-	-	-	-	-	-
6.	20.07.2023	21.07.2023	56.81	26.66	10.10	18.66	-	-	-	-	-	-	-	-	-	-	-
7.	24.07.2023	25.07.2023	54.48	24.58	9.41	17.20	-	-	-	-	-	-	-	-	-	-	-
8.	27.07.2023	28.07.2023	58.01	28.33	10.23	18.54	-	-	-	-	-	-	-	-	-	-	-
			<b>AVERAGE</b>	27.23	9.92	17.89	-	-	-	-	-	-	-	-	-	-	-



Analysis By  
  
 Kinjal Damor

Approved By  
  
 Pankil Patel

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# **Ambient Noise Report**

Reporting Date:-03.08.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Moti Bhujpar Village		
Sampling Date			03.07.2023		
Sampling Instrument		Sound Level Meter		Ldn	51.7
Lmax (Day)		57.2		Lmax (Night)	49.4
Lmin (Day)		45.6		Lmin (Night)	43.8
Leq (Day)		53.0		Leq (Night)	46.5
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
1.	06:00 - 07:00	48.2	dB (A) Leq	IS 9989	75
2.	07:00 - 08:00	50.7	dB (A) Leq	IS 9989	75
3.	08:00 - 09:00	52.3	dB (A) Leq	IS 9989	75
4.	09:00 - 10:00	55.6	dB (A) Leq	IS 9989	75
5.	10:00 - 11:00	51.0	dB (A) Leq	IS 9989	75
6.	11:00 - 12:00	52.7	dB (A) Leq	IS 9989	75
7.	12:00 - 13:00	57.2	dB (A) Leq	IS 9989	75
8.	13:00 - 14:00	53.4	dB (A) Leq	IS 9989	75
9.	14:00 - 15:00	50.9	dB (A) Leq	IS 9989	75
10.	15:00 - 16:00	54.5	dB (A) Leq	IS 9989	75
11.	16:00 - 17:00	56.3	dB (A) Leq	IS 9989	75
12.	17:00 - 18:00	52.0	dB (A) Leq	IS 9989	75



Reporting Date:-03.08.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Moti Bhujpar Village		
Sampling Date			03.07.2023		
Sampling Instrument		Sound Level Meter		Ldn	51.7
Lmax (Day)		57.2		Lmax (Night)	49.4
Lmin (Day)		45.6		Lmin (Night)	43.8
Leq (Day)		53.0		Leq (Night)	46.5
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
13.	18:00 - 19:00	53.7	dB (A) Leq	IS 9989	75
14.	19:00 - 20:00	50.0	dB (A) Leq	IS 9989	75
15.	20:00 - 21:00	47.2	dB (A) Leq	IS 9989	75
16.	21:00 - 22:00	45.6	dB (A) Leq	IS 9989	75
17.	22:00 - 23:00	48.4	dB (A) Leq	IS 9989	70
18.	23:00 - 12:00	46.1	dB (A) Leq	IS 9989	70
19.	12:00 - 01:00	49.4	dB (A) Leq	IS 9989	70
20.	01:00 - 02:00	45.3	dB (A) Leq	IS 9989	70
21.	02:00 - 03:00	43.8	dB (A) Leq	IS 9989	70
22.	03:00 - 04:00	45.0	dB (A) Leq	IS 9989	70
23.	04:00 - 05:00	46.1	dB (A) Leq	IS 9989	70
24.	05:00 - 06:00	44.8	dB (A) Leq	IS 9989	70

Analysis By  
*Kinjal*  
Kinjal Damor

Approved By  
*Pankil*  
Pankil Patel

END

Reporting Date:-03.08.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Zarapara Village		
Sampling Date			10.07.2023		
Sampling Instrument		Sound Level Meter		Ldn	51.3
Lmax (Day)		57.2		Lmax (Night)	47.3
Lmin (Day)		46.5		Lmin (Night)	43.9
Leq (Day)		52.6		Leq (Night)	45.5
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
1.	06:00 - 07:00	48.2	dB (A) Leq	IS 9989	75
2.	07:00 - 08:00	46.5	dB (A) Leq	IS 9989	75
3.	08:00 - 09:00	51.2	dB (A) Leq	IS 9989	75
4.	09:00 - 10:00	56.8	dB (A) Leq	IS 9989	75
5.	10:00 - 11:00	52.9	dB (A) Leq	IS 9989	75
6.	11:00 - 12:00	55.7	dB (A) Leq	IS 9989	75
7.	12:00 - 13:00	50.8	dB (A) Leq	IS 9989	75
8.	13:00 - 14:00	52.3	dB (A) Leq	IS 9989	75
9.	14:00 - 15:00	49.4	dB (A) Leq	IS 9989	75
10.	15:00 - 16:00	49.9	dB (A) Leq	IS 9989	75
11.	16:00 - 17:00	57.2	dB (A) Leq	IS 9989	75
12.	17:00 - 18:00	53.0	dB (A) Leq	IS 9989	75



Reporting Date:-03.08.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>	<b>Kutch Copper Limited</b>
---------------------	-----------------------------

### On Site 24 Hourly Monitoring Results

Sample Type		Ambient Noise Monitoring			
Location		Zarapara Village			
Sampling Date		10.07.2023			
Sampling Instrument	Sound Level Meter	Ldn	51.3		
Lmax (Day)	57.2	Lmax (Night)	47.3		
Lmin (Day)	46.5	Lmin (Night)	43.9		
Leq (Day)	52.6	Leq (Night)	45.5		
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
13.	18:00 - 19:00	53.2	dB (A) Leq	IS 9989	75
14.	19:00 - 20:00	50.7	dB (A) Leq	IS 9989	75
15.	20:00 - 21:00	46.8	dB (A) Leq	IS 9989	75
16.	21:00 - 22:00	48.0	dB (A) Leq	IS 9989	75
17.	22:00 - 23:00	47.3	dB (A) Leq	IS 9989	70
18.	23:00 - 12:00	45.1	dB (A) Leq	IS 9989	70
19.	12:00 - 01:00	44.6	dB (A) Leq	IS 9989	70
20.	01:00 - 02:00	45.5	dB (A) Leq	IS 9989	70
21.	02:00 - 03:00	43.9	dB (A) Leq	IS 9989	70
22.	03:00 - 04:00	46.0	dB (A) Leq	IS 9989	70
23.	04:00 - 05:00	44.4	dB (A) Leq	IS 9989	70
24.	05:00 - 06:00	46.2	dB (A) Leq	IS 9989	70

Analysis By

*Kinjal Damor*  
Kinjal Damor

Approved By

*Pankil Patel*  
Pankil Patel



END

Reporting Date:-03.08.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Shiracha Village		
Sampling Date			13.07.2023		
Sampling Instrument		Sound Level Meter		Ldn	49.9
Lmax (Day)		56.0		Lmax (Night)	46.8
Lmin (Day)		45.2		Lmin (Night)	42.9
Leq (Day)		51.2		Leq (Night)	45.0
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
1.	06:00 - 07:00	48.2	dB (A) Leq	IS 9989	65
2.	07:00 - 08:00	47.0	dB (A) Leq	IS 9989	65
3.	08:00 - 09:00	51.6	dB (A) Leq	IS 9989	65
4.	09:00 - 10:00	48.9	dB (A) Leq	IS 9989	65
5.	10:00 - 11:00	55.7	dB (A) Leq	IS 9989	65
6.	11:00 - 12:00	52.3	dB (A) Leq	IS 9989	65
7.	12:00 - 13:00	49.8	dB (A) Leq	IS 9989	65
8.	13:00 - 14:00	47.0	dB (A) Leq	IS 9989	65
9.	14:00 - 15:00	49.5	dB (A) Leq	IS 9989	65
10.	15:00 - 16:00	53.4	dB (A) Leq	IS 9989	65
11.	16:00 - 17:00	56.0	dB (A) Leq	IS 9989	65
12.	17:00 - 18:00	50.1	dB (A) Leq	IS 9989	65



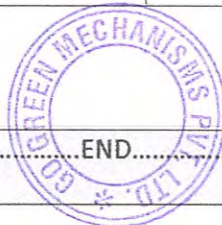
Reporting Date:- 03.08.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Shiracha Village		
Sampling Date			13.07.2023		
Sampling Instrument		Sound Level Meter		Ldn	49.9
Lmax (Day)		56.0		Lmax (Night)	46.8
Lmin (Day)		45.2		Lmin (Night)	42.9
Leq (Day)		51.2		Leq (Night)	45.0
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
13.	18:00 - 19:00	51.6	dB (A) Leq	IS 9989	65
14.	19:00 - 20:00	46.4	dB (A) Leq	IS 9989	65
15.	20:00 - 21:00	47.2	dB (A) Leq	IS 9989	65
16.	21:00 - 22:00	45.2	dB (A) Leq	IS 9989	65
17.	22:00 - 23:00	44.0	dB (A) Leq	IS 9989	55
18.	23:00 - 12:00	46.8	dB (A) Leq	IS 9989	55
19.	12:00 - 01:00	45.2	dB (A) Leq	IS 9989	55
20.	01:00 - 02:00	42.9	dB (A) Leq	IS 9989	55
21.	02:00 - 03:00	46.0	dB (A) Leq	IS 9989	55
22.	03:00 - 04:00	44.3	dB (A) Leq	IS 9989	55
23.	04:00 - 05:00	43.8	dB (A) Leq	IS 9989	55
24.	05:00 - 06:00	45.7	dB (A) Leq	IS 9989	55

Analysis By  
*gkinjal*

Kinjal Damor



Approved By

*P*

Pankil Patel

END

Reporting Date:-03.08.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Nr. Main Gate 2		
Sampling Date			06.07.2023		
Sampling Instrument		Sound Level Meter		Ldn	52.5
Lmax (Day)		58.6		Lmax (Night)	49.0
Lmin (Day)		46.8		Lmin (Night)	43.8
Leq (Day)		53.9		Leq (Night)	46.4
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
1.	06:00 - 07:00	58.8	dB (A) Leq	IS 9989	75
2.	07:00 - 08:00	59.6	dB (A) Leq	IS 9989	75
3.	08:00 - 09:00	60.2	dB (A) Leq	IS 9989	75
4.	09:00 - 10:00	62.3	dB (A) Leq	IS 9989	75
5.	10:00 - 11:00	64.6	dB (A) Leq	IS 9989	75
6.	11:00 - 12:00	65.8	dB (A) Leq	IS 9989	75
7.	12:00 - 13:00	63.4	dB (A) Leq	IS 9989	75
8.	13:00 - 14:00	61.5	dB (A) Leq	IS 9989	75
9.	14:00 - 15:00	62.2	dB (A) Leq	IS 9989	75
10.	15:00 - 16:00	61.1	dB (A) Leq	IS 9989	75
11.	16:00 - 17:00	63.8	dB (A) Leq	IS 9989	75
12.	17:00 - 18:00	62.4	dB (A) Leq	IS 9989	75





Reporting Date:-03.08.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Nr. Main Gate 2		
Sampling Date			06.07.2023		
Sampling Instrument		Sound Level Meter		Ldn	52.5
Lmax (Day)		58.6		Lmax (Night)	49.0
Lmin (Day)		46.8		Lmin (Night)	43.8
Leq (Day)		53.9		Leq (Night)	46.4
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
13.	18:00 - 19:00	65.3	dB (A) Leq	IS 9989	75
14.	19:00 - 20:00	61.4	dB (A) Leq	IS 9989	75
15.	20:00 - 21:00	59.9	dB (A) Leq	IS 9989	75
16.	21:00 - 22:00	57.7	dB (A) Leq	IS 9989	75
17.	22:00 - 23:00	54.8	dB (A) Leq	IS 9989	70
18.	23:00 - 12:00	53.5	dB (A) Leq	IS 9989	70
19.	12:00 - 01:00	52.2	dB (A) Leq	IS 9989	70
20.	01:00 - 02:00	50.1	dB (A) Leq	IS 9989	70
21.	02:00 - 03:00	51.5	dB (A) Leq	IS 9989	70
22.	03:00 - 04:00	52.7	dB (A) Leq	IS 9989	70
23.	04:00 - 05:00	54.3	dB (A) Leq	IS 9989	70
24.	05:00 - 06:00	55.6	dB (A) Leq	IS 9989	70

Analysis By  
*Kinjal Damor*  
Kinjal Damor



Approved By  
*Pankil Patel*  
Pankil Patel

Reporting Date:-03.08.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Nr. Main Gate		
Sampling Date			17.07.2023		
Sampling Instrument		Sound Level Meter		Ldn	59.6
Lmax (Day)		57.4		Lmax (Night)	47.5
Lmin (Day)		46.8		Lmin (Night)	39.2
Leq (Day)		61.1		Leq (Night)	51.7
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
1.	06:00 - 07:00	55.8	dB (A) Leq	IS 9989	75
2.	07:00 - 08:00	57.6	dB (A) Leq	IS 9989	75
3.	08:00 - 09:00	69.2	dB (A) Leq	IS 9989	75
4.	09:00 - 10:00	60.3	dB (A) Leq	IS 9989	75
5.	10:00 - 11:00	62.6	dB (A) Leq	IS 9989	75
6.	11:00 - 12:00	63.8	dB (A) Leq	IS 9989	75
7.	12:00 - 13:00	60.1	dB (A) Leq	IS 9989	75
8.	13:00 - 14:00	59.5	dB (A) Leq	IS 9989	75
9.	14:00 - 15:00	57.2	dB (A) Leq	IS 9989	75
10.	15:00 - 16:00	61.1	dB (A) Leq	IS 9989	75
11.	16:00 - 17:00	59.8	dB (A) Leq	IS 9989	75
12.	17:00 - 18:00	57.4	dB (A) Leq	IS 9989	75



Reporting Date:-03.08.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Nr. Main Gate		
Sampling Date			17.07.2023		
Sampling Instrument		Sound Level Meter		Ldn	59.6
Lmax (Day)		57.4		Lmax (Night)	47.5
Lmin (Day)		46.8		Lmin (Night)	39.2
Leq (Day)		61.1		Leq (Night)	51.7
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
13.	18:00 - 19:00	55.3	dB (A) Leq	IS 9989	75
14.	19:00 - 20:00	54.4	dB (A) Leq	IS 9989	75
15.	20:00 - 21:00	51.9	dB (A) Leq	IS 9989	75
16.	21:00 - 22:00	52.7	dB (A) Leq	IS 9989	75
17.	22:00 - 23:00	53.8	dB (A) Leq	IS 9989	70
18.	23:00 - 12:00	52.5	dB (A) Leq	IS 9989	70
19.	12:00 - 01:00	51.2	dB (A) Leq	IS 9989	70
20.	01:00 - 02:00	48.5	dB (A) Leq	IS 9989	70
21.	02:00 - 03:00	49.5	dB (A) Leq	IS 9989	70
22.	03:00 - 04:00	50.7	dB (A) Leq	IS 9989	70
23.	04:00 - 05:00	51.3	dB (A) Leq	IS 9989	70
24.	05:00 - 06:00	53.6	dB (A) Leq	IS 9989	70

Analysis By

*Kinjal*  
Kinjal Damor



Approved By

*P*  
Pankil Patel

END

Reporting Date:-03.08.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Nr. Project Building		
Sampling Date			20.07.2023		
Sampling Instrument		Sound Level Meter		Ldn	58.6
Lmax (Day)		65.1		Lmax (Day)	52.9
Lmin (Day)		54.2		Lmin (Day)	47.1
Leq (Day)		60.1		Leq (Day)	50.9
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
1.	06:00 - 07:00	53.5	dB (A) Leq	IS 9989	75
2.	07:00 - 08:00	54.2	dB (A) Leq	IS 9989	75
3.	08:00 - 09:00	56.1	dB (A) Leq	IS 9989	75
4.	09:00 - 10:00	57.8	dB (A) Leq	IS 9989	75
5.	10:00 - 11:00	59.5	dB (A) Leq	IS 9989	75
6.	11:00 - 12:00	60.7	dB (A) Leq	IS 9989	75
7.	12:00 - 13:00	58.9	dB (A) Leq	IS 9989	75
8.	13:00 - 14:00	59.1	dB (A) Leq	IS 9989	75
9.	14:00 - 15:00	58.6	dB (A) Leq	IS 9989	75
10.	15:00 - 16:00	57.3	dB (A) Leq	IS 9989	75
11.	16:00 - 17:00	59.5	dB (A) Leq	IS 9989	75
12.	17:00 - 18:00	61.4	dB (A) Leq	IS 9989	75



Reporting Date:-03.08.2023

## AMBIENT NOISE MONITORING REPORT

**Company Name**

**Kutch Copper Limited**

### On Site 24 Hourly Monitoring Results

Sample Type			Ambient Noise Monitoring		
Location			Nr. Project Building		
Sampling Date			20.07.2023		
Sampling Instrument	Sound Level Meter		Ldn	58.6	
Lmax (Day)	65.1	Lmax (Day)	52.9		
Lmin (Day)	54.2	Lmin (Day)	47.1		
Leq (Day)	60.1	Leq (Day)	50.9		
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
13.	18:00 - 19:00	63.7	dB (A) Leq	IS 9989	75
14.	19:00 - 20:00	65.1	dB (A) Leq	IS 9989	75
15.	20:00 - 21:00	62.3	dB (A) Leq	IS 9989	75
16.	21:00 - 22:00	57.7	dB (A) Leq	IS 9989	75
17.	22:00 - 23:00	52.9	dB (A) Leq	IS 9989	70
18.	23:00 - 12:00	50.7	dB (A) Leq	IS 9989	70
19.	12:00 - 01:00	51.2	dB (A) Leq	IS 9989	70
20.	01:00 - 02:00	47.1	dB (A) Leq	IS 9989	70
21.	02:00 - 03:00	48.2	dB (A) Leq	IS 9989	70
22.	03:00 - 04:00	50.7	dB (A) Leq	IS 9989	70
23.	04:00 - 05:00	51.3	dB (A) Leq	IS 9989	70
24.	05:00 - 06:00	52.4	dB (A) Leq	IS 9989	70

Analysis By  
*Kirjal*  
Kirjal Damor

Approved By  
*P*  
Pankil Patel

END

Report Issued to:

**Kutch Copper Limited**

**At & PO: Mundra, Kutch 370421  
Gujarat.**

ENVIRONMENTAL MONTHLY MONITORING REPORT

MONTH OF AUG'23



Go Green Mechanisms Pvt. Ltd.



Contact: 7069072008/10

Email: [lab@gogreenmechanisms.com](mailto:lab@gogreenmechanisms.com)

**Ref: GGMP2023/OT92C dated 16.09.2023**

**To,**  
**Kutch Copper Limited**  
At & Po: Mundra, Kutch 370421 Gujarat

**Subject: Submission of Monthly Report for the Kutch Copper Limited**

Respected Sir,

This is to inform you that we, hereby are submitting the Monitoring Report for the Month of August 2023.

Below given is the Sample Quantity along with Sample type for your reference.

Sr. No.	Description	Total Number of Reports/Samples
1.	Ambient Air Reports	36
3.	Ambient Noise Reports	06
4.	Ground Water Reports	03
5.	Surface Water Report	01

Thanks and Regards



For Go Green Mechanisms Pvt Ltd



# **Ground Water Report**



Reporting Date: - 08.09.2023

## WATER ANALYSIS REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>							
Sample Type		Water							
Sample Quantity		3.5 L							
Date of Sampling		03.08.2023							
Analysis Period		05.08.2023 - 10.08.2023							
Sl. No.	Parameter	Unit	Location				Test Method	IS 10500:2012	
			Shiracha Village (GW)	MotiBhujpar Village (GW)	Near Plant gate (GW)	Zarpara Village (SW)		AL	PL
1.	pH@25 °C	-	8.07	6.73	6.19	7.37	IS 3025-Part11	6.5-8.5	No relaxation
2.	Turbidity	NTU	BQL (QL=0.1)	BQL (QL=0.1)	BQL (QL=0.1)	BQL (QL=0.1)	APHA 23 <sup>rd</sup> Edn(2130 B)	1	5
3.	Total Dissolved Solids	mg/L	426.0	814.0	489.0	298.0	APHA23rd Edn(2540 C)	500	2000
4.	Total Hardness as CaCO <sub>3</sub>	mg/L	178.0	392.0	168.0	136.0	APHA23rd Edn(2340 C)	200	600
5.	Alkalinity as CaCO <sub>3</sub>	mg/L	124.00	284.00	148.00	106.00	APHA23rd Edn (2230B)	200	600
6.	Calcium as Ca	mg/L	39.28	79.36	41.68	27.25	APHA23rdEdn (3500Ca B)	75	200
7.	Chloride	mg/L	129.96	182.44	159.95	79.98	IS 3025-Part23	250	1000
8.	Sulphate	mg/L	44.78	122.42	41.08	36.15	APHA23rdEdn (4500SO <sub>4</sub> E)	200	400
9.	Nitrate	mg/L	1.43	2.24	1.52	0.62	APHA23rdEdn (4500NO <sub>3</sub> B)	45	No relaxation
10.	Iron	mg/L	BQL (QL=0.05)	BQL (QL=0.05)	BQL (QL=0.05)	BQL (QL=0.05)	APHA 23rdEdn (3120 B)	0.3	No relaxation
11.	Fluoride	mg/L	0.59	0.89	0.38	0.45	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)	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)	BQL (QL=0.02)	APHA 23rdEdn (3120 B)	5	15
14.	Magnesium (Mg)	mg/L	19.44	47.14	15.55	16.52	APHA23rdEdn (3500MgB)	30	100
15.	Residual Chlorine	mg/L	BQL (QL=0.05)	BQL (QL=0.05)	BQL (QL=0.05)	BQL (QL=0.05)	APHA23rdEdn (4500 Cl B)	0.2	1.0
16.	Colour	CU	BQL (QL=1)	BQL (QL=1)	BQL (QL=1)	BQL (QL=1)	IS 3025- Part 4	5	15
17.	Odour	-	Agreeable	Agreeable	Agreeable	Agreeable	IS 3025 - Part 5	Agreeable	Agreeable
18.	Temperature	°C	26.2	25.9	26.0	26.1	APHA23rdEdn (2550B)	NS	NS
19.	Taste	-	Agreeable	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)	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)	BQL (QL=0.025)	GGMPL/SOP/W/ 43	0.05	No relaxation
22.	Aluminium (Al)	mg/L	BQL (QL=0.02)	BQL (QL=0.02)	BQL (QL=0.02)	BQL (QL=0.02)	APHA23rdEdn (3120 B)	0.03	0.2
23.	Arsenic (As)	mg/L	BQL (QL=0.005)	BQL (QL=0.005)	BQL (QL=0.005)	BQL (QL=0.005)	APHA23rdEdn (3120 B)	0.01	0.05
24.	Boron (B)	mg/L	BQL (QL=0.05)	BQL (QL=0.05)	BQL (QL=0.05)	BQL (QL=0.05)	APHA23rdEdn (3120 B)	0.5	1.0
25.	Cadmium (Cd)	mg/L	BQL (QL=0.002)	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)	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)	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)	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)	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)	BQL (QL=0.005)	APHA23rdEdn (3120 B)	0.01	No relaxation





# Go Green Mechanisms Pvt.Ltd.

31.	Anionic Surface Active Agents	mg/L	BQL (QL=0.05)	BQL (QL=0.05)	BQL (QL=0.05)	BQL (QL=0.05)	APHA23rdEdn (5540 C)	0.2	1.0
32.	E.Coli	MPN/100ml	Absent	Absent	Absent	Absent	IS 1622	-	Absent
33.	Total Coliform	MPN/100ml	Absent	Absent	Absent	Absent	IS 1622	-	Absent

BQL - Below Quantification Limit

Analysis By  
*Kinjal*  
Kinjal Damor



Approved By  
*Pankil*  
Pankil Patel

.....END.....

# **Ambient Air Report**



# Go Green Mechanisms Pvt.Ltd.

Reporting Date: - 08.09.2023

## AMBIENT AIR QUALITY ANALYSIS REPORT

Company Name		Kutch Copper Limited												
Sample Type		On Site 24 Hourly Monitoring Results												
Location Name		Near Gate No.2												
Sr. No.	Parameters	PM (<10)	PM (<2.5)	SO <sub>2</sub>	NO <sub>2</sub>	O <sub>3</sub>	NH <sub>3</sub>	CO	Benzene	B@P	Pb	Ni	As	
		µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	mg/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>
Test Method		IS 5182-Part23	GGMPL/SOP/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	
NAAQ Standards		100	60	80	80	100	400	4	5	1	1	20	6	
Sampling Start Date	Sampling End Date													
1.	03.08.2023	66.23	35.83	13.28	22.29	-	-	-	-	-	-	-	-	
2.	07.08.2023	62.73	33.74	12.27	21.05	-	-	-	-	-	-	-	-	
3.	10.08.2023	60.43	30.83	11.79	19.22	14.14	15.81	0.28	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)	





# Go Green Mechanisms Pvt.Ltd.

4.	14.08.2023	15.08.2023	63.67	34.58	13.80	21.17	-	-	-	-	-	-	-	-	-	-	-
5.	17.08.2023	18.08.2023	61.38	32.91	11.44	18.94	-	-	-	-	-	-	-	-	-	-	-
6.	21.08.2023	22.08.2023	56.98	28.74	10.29	17.58	-	-	-	-	-	-	-	-	-	-	-
7.	24.08.2023	25.08.2023	59.34	29.99	13.41	21.73	-	-	-	-	-	-	-	-	-	-	-
8.	28.08.2023	29.08.2023	60.23	30.83	12.62	22.01	-	-	-	-	-	-	-	-	-	-	-
9.	31.08.2023	01.09.2023	58.47	26.66	10.65	18.11	-	-	-	-	-	-	-	-	-	-	-
		<b>AVERAGE</b>	61.05	31.57	12.17	20.23	-	-	-	-	-	-	-	-	-	-	-



Analysis By  
*Kinjal Damor*  
 Kinjal Damor

Approved By  
*Pankil Patel*  
 Pankil Patel

.....END.....



# Go Green Mechanisms Pvt.Ltd.

Reporting Date: - 08.09.2023

## AMBIENT AIR QUALITY ANALYSIS REPORT

Company Name		Kutch Copper Limited												
Sample Type		On Site 24 Hourly Monitoring Results												
Location Name		Zarapara Village												
Sr. No.	Parameters	PM (<10)	PM (<2.5)	SO <sub>2</sub>	NO <sub>2</sub>	O <sub>3</sub>	NH <sub>3</sub>	CO	Benzene	B@P	Pb	Ni	As	
Unit	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	mg/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>	
Test Method	IS 5182-Part23	GGMPL/SOP/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	100	400	4	5	1	1	1	20	6	
Sampling Start Date	Sampling End Date													
1.	03.08.2023	56.55	27.91	8.68	16.84	-	-	-	-	-	-	-	-	
2.	07.08.2023	60.54	30.41	9.75	17.33	-	-	-	-	-	-	-	-	
3.	10.08.2023	57.09	27.08	10.90	19.22	15.40	14.37	0.37	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)	





# Go Green Mechanisms Pvt.Ltd.

4.	14.08.2023	15.08.2023	59.55	28.74	11.49	20.31	-	-	-	-	-	-	-	-	-	-	-
5.	17.08.2023	18.08.2023	55.63	27.49	9.68	15.35	-	-	-	-	-	-	-	-	-	-	-
6.	21.08.2023	22.08.2023	60.18	30.83	11.36	17.83	-	-	-	-	-	-	-	-	-	-	-
7.	24.08.2023	25.08.2023	57.96	29.58	9.78	16.59	-	-	-	-	-	-	-	-	-	-	-
8.	28.08.2023	29.08.2023	53.29	25.00	8.70	15.60	-	-	-	-	-	-	-	-	-	-	-
9.	31.08.2023	01.09.2023	55.53	26.66	9.05	17.27	-	-	-	-	-	-	-	-	-	-	-
		<b>AVERAGE</b>	57.37	28.19	9.93	17.37	-	-	-	-	-	-	-	-	-	-	-

Analysis By

*Kinjal*  
Kinjal Damor



Approved By

*Pankil Patel*  
Pankil Patel

END





# Go Green Mechanisms Pvt.Ltd.

Reporting Date: - 08.09.2023

## AMBIENT AIR QUALITY ANALYSIS REPORT

Company Name		Kutch Copper Limited												
Sample Type		On Site 24 Hourly Monitoring Results												
Location Name		AMBIENT AIR QUALITY MONITORING Shiracha Village												
Sr. No.	Parameters	PM (<10)	PM (<2.5)	SO <sub>2</sub>	NO <sub>2</sub>	O <sub>3</sub>	NH <sub>3</sub>	CO	Benzene	B@P	Pb	Ni	As	
		µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	mg/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>
Test Method		IS 5182-Part23	GGMPL/SO 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	
NAAQ Standards		100	60	80	80	100	400	4	5	1	1	20	6	
Sampling Start Date	Sampling End Date													
1.	03.08.2023	62.38	31.66	13.27	20.34	-	-	-	-	-	-	-	-	
2.	07.08.2023	59.48	29.58	12.18	19.22	-	-	-	-	-	-	-	-	
3.	10.08.2023	57.44	29.99	9.73	17.83	14.77	12.93	0.32	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)	





# Go Green Mechanisms Pvt.Ltd.

4.	14.08.2023	15.08.2023	58.42	28.33	11.14	19.32	-	-	-	-	-	-	-	-
5.	17.08.2023	18.08.2023	54.51	27.91	9.83	16.71	-	-	-	-	-	-	-	-
6.	21.08.2023	22.08.2023	58.99	30.83	10.97	16.44	-	-	-	-	-	-	-	-
7.	24.08.2023	25.08.2023	61.72	31.66	12.62	19.50	-	-	-	-	-	-	-	-
8.	28.08.2023	29.08.2023	60.27	29.58	13.41	20.62	-	-	-	-	-	-	-	-
9.	31.08.2023	01.09.2023	59.16	30.83	12.58	18.94	-	-	-	-	-	-	-	-
		<b>AVERAGE</b>	59.15	30.04	11.75	18.77	-	-	-	-	-	-	-	-

Analysis By  
  
 Kinjal Damor



Approved By  
  
 Pankil Patel

.....END.....



# Go Green Mechanisms Pvt.Ltd.

Reporting Date: -08.09.2023

## AMBIENT AIR QUALITY ANALYSIS REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>											
<b>Sample Type</b>		<b>On Site 24 Hourly Monitoring Results</b>											
<b>Location Name</b>		<b>AMBIENT AIR QUALITY MONITORING</b>											
<b>Location Name</b>		<b>Moti Bhujpar Village</b>											
St. No.	Parameters	PM (<10)	PM (<2.5)	SO <sub>2</sub>	NO <sub>2</sub>	O <sub>3</sub>	NH <sub>3</sub>	CO	Benzene	B@P	Pb	Ni	As
	Unit	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	mg/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>
Test Method	IS 5182-Part23	IS 5182-Part2	IS 5182-Part 6	IS 5182-Part 9	GGMPL/SOP/AA/60	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
	100	60	80	80	100	400	4	5	1	1	20	6	
NAAQ Standards		56.03	27.49	9.68	17.33	-	-	-	-	-	-	-	-
Sampling Start Date	03.08.2023	08.06.2023	11.08.2023	04.08.2023	08.06.2023	11.08.2023	04.08.2023	08.06.2023	11.08.2023	04.08.2023	08.06.2023	11.08.2023	04.08.2023
Sampling End Date	07.08.2023	10.08.2023	03.08.2023	07.08.2023	10.08.2023	03.08.2023	07.08.2023	10.08.2023	03.08.2023	07.08.2023	10.08.2023	03.08.2023	07.08.2023
		59.54	30.41	12.11	21.30	13.20	11.49	0.25	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)





# Go Green Mechanisms Pvt.Ltd.

4.	14.08.2023	15.08.2023	61.49	31.56	11.76	20.06	-	-	-	-	-	-	-	-
5.	17.08.2023	18.08.2023	60.25	29.99	10.38	19.07	-	-	-	-	-	-	-	-
6.	21.08.2023	22.08.2023	59.22	28.33	11.76	20.31	-	-	-	-	-	-	-	-
7.	24.08.2023	25.08.2023	57.22	26.24	10.83	19.32	-	-	-	-	-	-	-	-
8.	28.08.2023	29.08.2023	59.96	30.41	11.49	20.55	-	-	-	-	-	-	-	-
9.	31.08.2023	01.09.2023	58.69	28.30	10.13	17.09	-	-	-	-	-	-	-	-
<b>AVERAGE</b>			58.98	29.11	10.99	19.48	-	-	-	-	-	-	-	-



Analysis By  
*Kinjal*  
Kinjal Damor

Approved By  
*Pankil*  
Pankil Patel

END.....

# **Ambient Noise Report**

Reporting Date:-08.09.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Moti Bhujpar Village		
Sampling Date			14.08.2023		
Sampling Instrument		Sound Level Meter		Ldn	51.4
Lmax (Day)		58.0		Lmax (Night)	45.6
Lmin (Day)		45.1		Lmin (Night)	41.8
Leq (Day)		52.9		Leq (Night)	43.6
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
1.	06:00 - 07:00	47.5	dB (A) Leq	IS 9989	75
2.	07:00 - 08:00	51.2	dB (A) Leq	IS 9989	75
3.	08:00 - 09:00	52.3	dB (A) Leq	IS 9989	75
4.	09:00 - 10:00	48.9	dB (A) Leq	IS 9989	75
5.	10:00 - 11:00	53.2	dB (A) Leq	IS 9989	75
6.	11:00 - 12:00	56.7	dB (A) Leq	IS 9989	75
7.	12:00 - 13:00	53.0	dB (A) Leq	IS 9989	75
8.	13:00 - 14:00	50.4	dB (A) Leq	IS 9989	75
9.	14:00 - 15:00	49.8	dB (A) Leq	IS 9989	75
10.	15:00 - 16:00	56.6	dB (A) Leq	IS 9989	75
11.	16:00 - 17:00	58.0	dB (A) Leq	IS 9989	75
12.	17:00 - 18:00	54.5	dB (A) Leq	IS 9989	75



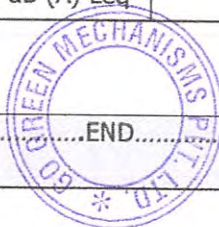
Reporting Date:-08.09.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Moti Bhujpar Village		
Sampling Date			14.08.2023		
Sampling Instrument		Sound Level Meter		Ldn	51.4
Lmax (Day)		58.0		Lmax (Night)	45.6
Lmin (Day)		45.1		Lmin (Night)	41.8
Leq (Day)		52.9		Leq (Night)	43.6
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
13.	18:00 - 19:00	48.9	dB (A) Leq	IS 9989	75
14.	19:00 - 20:00	46.2	dB (A) Leq	IS 9989	75
15.	20:00 - 21:00	49.0	dB (A) Leq	IS 9989	75
16.	21:00 - 22:00	45.1	dB (A) Leq	IS 9989	75
17.	22:00 - 23:00	43.2	dB (A) Leq	IS 9989	70
18.	23:00 - 12:00	42.8	dB (A) Leq	IS 9989	70
19.	12:00 - 01:00	44.0	dB (A) Leq	IS 9989	70
20.	01:00 - 02:00	44.5	dB (A) Leq	IS 9989	70
21.	02:00 - 03:00	41.8	dB (A) Leq	IS 9989	70
22.	03:00 - 04:00	43.4	dB (A) Leq	IS 9989	70
23.	04:00 - 05:00	42.7	dB (A) Leq	IS 9989	70
24.	05:00 - 06:00	45.6	dB (A) Leq	IS 9989	70

Analysis By  
*Kinjal*  
Kinjal Damor

Approved By  
*Pankil*  
Pankil Patel



END

Reporting Date:-08.09.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Zarapara Village		
Sampling Date			17.08.2023		
Sampling Instrument		Sound Level Meter		Ldn	51.5
Lmax (Day)		58.2		Lmax (Night)	46.0
Lmin (Day)		44.1		Lmin (Night)	41.7
Leq (Day)		53.0		Leq (Night)	43.9
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
1.	06:00 - 07:00	48.7	dB (A) Leq	IS 9989	75
2.	07:00 - 08:00	50.2	dB (A) Leq	IS 9989	75
3.	08:00 - 09:00	51.3	dB (A) Leq	IS 9989	75
4.	09:00 - 10:00	56.9	dB (A) Leq	IS 9989	75
5.	10:00 - 11:00	53.0	dB (A) Leq	IS 9989	75
6.	11:00 - 12:00	55.4	dB (A) Leq	IS 9989	75
7.	12:00 - 13:00	52.3	dB (A) Leq	IS 9989	75
8.	13:00 - 14:00	49.0	dB (A) Leq	IS 9989	75
9.	14:00 - 15:00	53.0	dB (A) Leq	IS 9989	75
10.	15:00 - 16:00	50.8	dB (A) Leq	IS 9989	75
11.	16:00 - 17:00	58.2	dB (A) Leq	IS 9989	75
12.	17:00 - 18:00	55.9	dB (A) Leq	IS 9989	75





Reporting Date:-08.09.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>	<b>Kutch Copper Limited</b>
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### On Site 24 Hourly Monitoring Results

Sample Type		Ambient Noise Monitoring			
Location		Zarapara Village			
Sampling Date		17.08.2023			
Sampling Instrument	Sound Level Meter	Ldn	51.5		
Lmax (Day)	58.2	Lmax (Night)	46.0		
Lmin (Day)	44.1	Lmin (Night)	41.7		
Leq (Day)	53.0	Leq (Night)	43.9		
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
13.	18:00 - 19:00	49.2	dB (A) Leq	IS 9989	75
14.	19:00 - 20:00	46.7	dB (A) Leq	IS 9989	75
15.	20:00 - 21:00	47.5	dB (A) Leq	IS 9989	75
16.	21:00 - 22:00	44.1	dB (A) Leq	IS 9989	75
17.	22:00 - 23:00	46.0	dB (A) Leq	IS 9989	70
18.	23:00 - 12:00	43.2	dB (A) Leq	IS 9989	70
19.	12:00 - 01:00	44.8	dB (A) Leq	IS 9989	70
20.	01:00 - 02:00	42.9	dB (A) Leq	IS 9989	70
21.	02:00 - 03:00	42.2	dB (A) Leq	IS 9989	70
22.	03:00 - 04:00	45.0	dB (A) Leq	IS 9989	70
23.	04:00 - 05:00	41.7	dB (A) Leq	IS 9989	70
24.	05:00 - 06:00	43.6	dB (A) Leq	IS 9989	70

Analysis By

*Kinjal Damor*  
Kinjal Damor



Approved By

*Pankil Patel*  
Pankil Patel

END

Reporting Date:-08.09.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Shiracha Village		
Sampling Date			21.08.2023		
Sampling Instrument		Sound Level Meter		Ldn	51.9
Lmax (Day)		57.2		Lmax (Night)	47.2
Lmin (Day)		45.8		Lmin (Night)	40.8
Leq (Day)		53.4		Leq (Night)	44.2
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
1.	06:00 - 07:00	50.8	dB (A) Leq	IS 9989	65
2.	07:00 - 08:00	48.7	dB (A) Leq	IS 9989	65
3.	08:00 - 09:00	53.2	dB (A) Leq	IS 9989	65
4.	09:00 - 10:00	51.0	dB (A) Leq	IS 9989	65
5.	10:00 - 11:00	56.5	dB (A) Leq	IS 9989	65
6.	11:00 - 12:00	50.9	dB (A) Leq	IS 9989	65
7.	12:00 - 13:00	53.4	dB (A) Leq	IS 9989	65
8.	13:00 - 14:00	57.2	dB (A) Leq	IS 9989	65
9.	14:00 - 15:00	53.9	dB (A) Leq	IS 9989	65
10.	15:00 - 16:00	55.2	dB (A) Leq	IS 9989	65
11.	16:00 - 17:00	57.0	dB (A) Leq	IS 9989	65
12.	17:00 - 18:00	53.8	dB (A) Leq	IS 9989	65

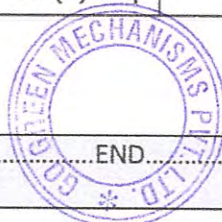


Reporting Date:- 08.09.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Shiracha Village		
Sampling Date			21.08.2023		
Sampling Instrument		Sound Level Meter		Ldn	51.9
Lmax (Day)		57.2		Lmax (Night)	47.2
Lmin (Day)		45.8		Lmin (Night)	40.8
Leq (Day)		53.4		Leq (Night)	44.2
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
13.	18:00 - 19:00	48.9	dB (A) Leq	IS 9989	65
14.	19:00 - 20:00	51.7	dB (A) Leq	IS 9989	65
15.	20:00 - 21:00	49.2	dB (A) Leq	IS 9989	65
16.	21:00 - 22:00	45.8	dB (A) Leq	IS 9989	65
17.	22:00 - 23:00	47.2	dB (A) Leq	IS 9989	55
18.	23:00 - 12:00	44.0	dB (A) Leq	IS 9989	55
19.	12:00 - 01:00	42.9	dB (A) Leq	IS 9989	55
20.	01:00 - 02:00	45.2	dB (A) Leq	IS 9989	55
21.	02:00 - 03:00	43.0	dB (A) Leq	IS 9989	55
22.	03:00 - 04:00	41.0	dB (A) Leq	IS 9989	55
23.	04:00 - 05:00	40.8	dB (A) Leq	IS 9989	55
24.	05:00 - 06:00	45.7	dB (A) Leq	IS 9989	55

Analysis By  
*Kinjal Damor*  
Kinjal Damor



Approved By  
*Pankil Patel*  
Pankil Patel

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END.....

Reporting Date:-08.09.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Nr.Gate No.2		
Sampling Date			24.08.2023		
Sampling Instrument		Sound Level Meter		Ldn	54.6
Lmax (Day)		64.0		Lmax (Night)	49.7
Lmin (Day)		48.0		Lmin (Night)	43.2
Leq (Day)		56.2		Leq (Night)	46.6
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
1.	06:00 - 07:00	53.6	dB (A) Leq	IS 9989	75
2.	07:00 - 08:00	56.8	dB (A) Leq	IS 9989	75
3.	08:00 - 09:00	50.0	dB (A) Leq	IS 9989	75
4.	09:00 - 10:00	58.3	dB (A) Leq	IS 9989	75
5.	10:00 - 11:00	55.2	dB (A) Leq	IS 9989	75
6.	11:00 - 12:00	57.1	dB (A) Leq	IS 9989	75
7.	12:00 - 13:00	54.8	dB (A) Leq	IS 9989	75
8.	13:00 - 14:00	61.0	dB (A) Leq	IS 9989	75
9.	14:00 - 15:00	57.4	dB (A) Leq	IS 9989	75
10.	15:00 - 16:00	55.8	dB (A) Leq	IS 9989	75
11.	16:00 - 17:00	59.0	dB (A) Leq	IS 9989	75
12.	17:00 - 18:00	56.5	dB (A) Leq	IS 9989	75





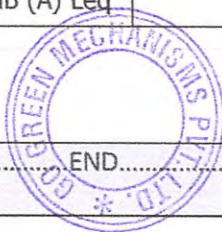
# Go Green Mechanisms Pvt.Ltd.

Reporting Date:-08.09.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Nr.Gate No.2		
Sampling Date			24.08.2023		
Sampling Instrument		Sound Level Meter		Ldn	54.6
Lmax (Day)		64.0		Lmax (Night)	49.7
Lmin (Day)		48.0		Lmin (Night)	43.2
Leq (Day)		56.2		Leq (Night)	46.6
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
13.	18:00 - 19:00	53.4	dB (A) Leq	IS 9989	75
14.	19:00 - 20:00	50.8	dB (A) Leq	IS 9989	75
15.	20:00 - 21:00	51.3	dB (A) Leq	IS 9989	75
16.	21:00 - 22:00	48.0	dB (A) Leq	IS 9989	75
17.	22:00 - 23:00	45.9	dB (A) Leq	IS 9989	70
18.	23:00 - 12:00	49.7	dB (A) Leq	IS 9989	70
19.	12:00 - 01:00	44.6	dB (A) Leq	IS 9989	70
20.	01:00 - 02:00	47.2	dB (A) Leq	IS 9989	70
21.	02:00 - 03:00	43.9	dB (A) Leq	IS 9989	70
22.	03:00 - 04:00	48.5	dB (A) Leq	IS 9989	70
23.	04:00 - 05:00	43.2	dB (A) Leq	IS 9989	70
24.	05:00 - 06:00	45.8	dB (A) Leq	IS 9989	70

Analysis By  
*Kinjal*  
Kinjal Damor



Approved By  
*Pankil*  
Pankil Patel

END

Reporting Date:-08.09.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Nr. Main Gate		
Sampling Date			28.08.2023		
Sampling Instrument		Sound Level Meter		Ldn	54.5
Lmax (Day)		60.3		Lmax (Night)	48.2
Lmin (Day)		49.6		Lmin (Night)	42.3
Leq (Day)		56.0		Leq (Night)	45.6
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
1.	06:00 - 07:00	51.2	dB (A) Leq	IS 9989	75
2.	07:00 - 08:00	53.8	dB (A) Leq	IS 9989	75
3.	08:00 - 09:00	59.6	dB (A) Leq	IS 9989	75
4.	09:00 - 10:00	55.3	dB (A) Leq	IS 9989	75
5.	10:00 - 11:00	60.3	dB (A) Leq	IS 9989	75
6.	11:00 - 12:00	54.2	dB (A) Leq	IS 9989	75
7.	12:00 - 13:00	57.3	dB (A) Leq	IS 9989	75
8.	13:00 - 14:00	54.5	dB (A) Leq	IS 9989	75
9.	14:00 - 15:00	52.0	dB (A) Leq	IS 9989	75
10.	15:00 - 16:00	55.2	dB (A) Leq	IS 9989	75
11.	16:00 - 17:00	58.7	dB (A) Leq	IS 9989	75
12.	17:00 - 18:00	57.2	dB (A) Leq	IS 9989	75





# Go Green Mechanisms Pvt.Ltd.

Reporting Date:-08.09.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Nr. Main Gate		
Sampling Date			28.08.2023		
Sampling Instrument		Sound Level Meter		Ldn	54.5
Lmax (Day)		60.3		Lmax (Night)	48.2
Lmin (Day)		49.6		Lmin (Night)	42.3
Leq (Day)		56.0		Leq (Night)	45.6
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
13.	18:00 - 19:00	52.8	dB (A) Leq	IS 9989	75
14.	19:00 - 20:00	49.6	dB (A) Leq	IS 9989	75
15.	20:00 - 21:00	53.9	dB (A) Leq	IS 9989	75
16.	21:00 - 22:00	55.7	dB (A) Leq	IS 9989	75
17.	22:00 - 23:00	48.2	dB (A) Leq	IS 9989	70
18.	23:00 - 12:00	44.3	dB (A) Leq	IS 9989	70
19.	12:00 - 01:00	46.7	dB (A) Leq	IS 9989	70
20.	01:00 - 02:00	43.0	dB (A) Leq	IS 9989	70
21.	02:00 - 03:00	46.2	dB (A) Leq	IS 9989	70
22.	03:00 - 04:00	42.3	dB (A) Leq	IS 9989	70
23.	04:00 - 05:00	45.0	dB (A) Leq	IS 9989	70
24.	05:00 - 06:00	46.3	dB (A) Leq	IS 9989	70

Analysis By

Kinjal Damor

Approved By

Pankil Patel

END

**Reporting Date:-08.09.2023**

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Nr. Project Building		
Sampling Date			31.08.2023		
Sampling Instrument		Sound Level Meter		Ldn	54.8
Lmax (Day)		61.2		Lmax (Day)	50.5
Lmin (Day)		49.6		Lmin (Day)	44.4
Leq (Day)		56.3		Leq (Day)	47.1
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
1.	06:00 - 07:00	55.8	dB (A) Leq	IS 9989	75
2.	07:00 - 08:00	58.7	dB (A) Leq	IS 9989	75
3.	08:00 - 09:00	61.2	dB (A) Leq	IS 9989	75
4.	09:00 - 10:00	54.7	dB (A) Leq	IS 9989	75
5.	10:00 - 11:00	56.9	dB (A) Leq	IS 9989	75
6.	11:00 - 12:00	53.9	dB (A) Leq	IS 9989	75
7.	12:00 - 13:00	59.0	dB (A) Leq	IS 9989	75
8.	13:00 - 14:00	55.4	dB (A) Leq	IS 9989	75
9.	14:00 - 15:00	52.8	dB (A) Leq	IS 9989	75
10.	15:00 - 16:00	55.1	dB (A) Leq	IS 9989	75
11.	16:00 - 17:00	58.6	dB (A) Leq	IS 9989	75
12.	17:00 - 18:00	56.2	dB (A) Leq	IS 9989	75



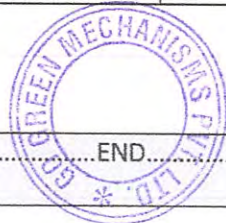


Reporting Date:-08.09.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Nr. Project Building		
Sampling Date			31.08.2023		
Sampling Instrument		Sound Level Meter	Ldn	54.8	
Lmax (Day)		61.2	Lmax (Day)	50.5	
Lmin (Day)		49.6	Lmin (Day)	44.4	
Leq (Day)		56.3	Leq (Day)	47.1	
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
13.	18:00 - 19:00	53.7	dB (A) Leq	IS 9989	75
14.	19:00 - 20:00	50.8	dB (A) Leq	IS 9989	75
15.	20:00 - 21:00	51.3	dB (A) Leq	IS 9989	75
16.	21:00 - 22:00	49.6	dB (A) Leq	IS 9989	75
17.	22:00 - 23:00	47.2	dB (A) Leq	IS 9989	70
18.	23:00 - 12:00	50.5	dB (A) Leq	IS 9989	70
19.	12:00 - 01:00	45.9	dB (A) Leq	IS 9989	70
20.	01:00 - 02:00	47.0	dB (A) Leq	IS 9989	70
21.	02:00 - 03:00	44.4	dB (A) Leq	IS 9989	70
22.	03:00 - 04:00	45.0	dB (A) Leq	IS 9989	70
23.	04:00 - 05:00	47.5	dB (A) Leq	IS 9989	70
24.	05:00 - 06:00	46.0	dB (A) Leq	IS 9989	70

Analysis By  
*Kinjal Damor*  
Kinjal Damor



Approved By  
*Pankil Patel*  
Pankil Patel

.....  
END  
.....

Report Issued to:

**Kutch Copper Limited**

**At & PO: Mundra, Kutch 370421  
Gujarat.**

**ENVIRONMENTAL MONTHLY MONITORING REPORT  
MONTH OF SEP'23**



**Go Green Mechanisms Pvt. Ltd.**



Contact: 7069072008/10

Email: [lab@gogreenmechanisms.com](mailto:lab@gogreenmechanisms.com)

**Ref: GGMPL2023/OT104C dated 11.10.2023**

**To,**  
**Kutch Copper Limited**  
At & Po: Mundra, Kutch 370421 Gujarat

**Subject: Submission of Monthly Report for the Kutch Copper Limited**

Respected Sir,

This is to inform you that we, hereby are submitting the Monitoring Report for the Month of September 2023.

Below given is the Sample Quantity along with Sample type for your reference.

Sr. No.	Description	Total Number of Reports/Samples
1.	Ambient Air Reports	32
3.	Ambient Noise Reports	06
4.	Ground Water Reports	03
5.	Surface Water Report	01

Thanks and Regards



For Go Green Mechanisms Pvt Ltd



# **Ground Water Report**

Reporting Date: - 06.10.2023

## WATER ANALYSIS REPORT

Company Name		Kutch Copper Limited							
Sample Type	Water								
Sample Quantity	3.5 L								
Date of Sampling	18.09.2023								
Analysis Period	19.09.2023 - 25.09.2023								
Sl. No.	Parameter	Unit	Location				Test Method	IS 10500:2012	
			Shiracha Village (GW)	MotiBhujpar Village (GW)	Near Plant gate (GW)	Zarpara Village (SW)		AL	PL
1.	pH@25 °C	-	8.18	6.86	6.24	7.43	IS 3025-Part11	6.5-8.5	No relaxation
2.	Turbidity	NTU	BQL (QL=0.1)	BQL (QL=0.1)	BQL (QL=0.1)	BQL (QL=0.1)	APHA 23 <sup>rd</sup> Edn(2130 B)	1	5
3.	Total Dissolved Solids	mg/L	459.0	767.0	465.0	259.0	APHA23 <sup>rd</sup> Edn(2540 C)	500	2000
4.	Total Hardness as CaCO <sub>3</sub>	mg/L	196.0	380.0	160.0	132.0	APHA23 <sup>rd</sup> Edn(2340 C)	200	600
5.	Alkalinity as CaCO <sub>3</sub>	mg/L	115.00	280.00	144.00	101.00	APHA23 <sup>rd</sup> Edn (2230B)	200	600
6.	Calcium as Ca	mg/L	42.48	77.76	40.08	26.45	APHA23 <sup>rd</sup> Edn (3500Ca B)	75	200
7.	Chloride	mg/L	133.96	45.20	155.95	72.98	IS 3025-Part23	250	1000
8.	Sulphate	mg/L	59.88	118.56	40.22	34.53	APHA23 <sup>rd</sup> Edn (4500SO <sub>4</sub> E)	200	400
9.	Nitrate	mg/L	1.79	2.21	1.47	0.55	APHA23 <sup>rd</sup> Edn (4500NO <sub>3</sub> B)	45	No relaxation
10.	Iron	mg/L	BQL (QL=0.05)	BQL (QL=0.05)	BQL (QL=0.05)	BQL (QL=0.05)	APHA 23 <sup>rd</sup> Edn (3120 B)	0.3	No relaxation
11.	Fluoride	mg/L	0.78	0.85	0.39	0.42	APHA 23 <sup>rd</sup> Edn (4500 F D)	1	1.5
12.	Hexavalent Chromium as Cr <sub>6+</sub>	mg/L	BQL (QL=0.01)	BQL (QL=0.01)	BQL (QL=0.01)	BQL (QL=0.01)	APHA 23 <sup>rd</sup> Edn (3500Cr B)	NS	NS

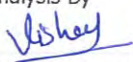


13.	Zinc (Zn)	mg/L	BQL (QL=0.02)	BQL (QL=0.02)	BQL (QL=0.02)	BQL (QL=0.02)	APHA 23rdEdn (3120 B)	5	15
14.	Magnesium (Mg)	mg/L	21.87	45.20	14.58	16.04	APHA23rdEdn (3500MgB)	30	100
15.	Residual Chlorine	mg/L	BQL (QL=0.05)	BQL (QL=0.05)	BQL (QL=0.05)	BQL (QL=0.05)	APHA23rdEdn (4500 Cl B)	0.2	1.0
16.	Colour	CU	BQL (QL=1)	BQL (QL=1)	BQL (QL=1)	BQL (QL=1)	IS 3025- Part 4	5	15
17.	Odour	-	Agreeable	Agreeable	Agreeable	Agreeable	IS 3025 - Part 5	Agreeable	Agreeable
18.	Temperature	°C	26.8	26.2	26.3	26.6	APHA23rdEdn (2550B)	NS	NS
19.	Taste	-	Agreeable	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)	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)	BQL (QL=0.025)	GGMPL/SOP/W/ 43	0.05	No relaxation
22.	Aluminium (Al)	mg/L	BQL (QL=0.02)	BQL (QL=0.02)	BQL (QL=0.02)	BQL (QL=0.02)	APHA23rdEdn (3120 B)	0.03	0.2
23.	Arsenic (As)	mg/L	BQL (QL=0.005)	BQL (QL=0.005)	BQL (QL=0.005)	BQL (QL=0.005)	APHA23rdEdn (3120 B)	0.01	0.05
24.	Boron (B)	mg/L	BQL (QL=0.05)	BQL (QL=0.05)	BQL (QL=0.05)	BQL (QL=0.05)	APHA23rdEdn (3120 B)	0.5	1.0
25.	Cadmium (Cd)	mg/L	BQL (QL=0.002)	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)	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)	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)	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)	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)	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)	BQL (QL=0.05)	APHA23rdEdn (5540 C)	0.2	1.0
32.	E.Coli	MPN/100ml	Absent	Absent	Absent	Absent	IS 1622	-	Absent
33.	Total Coliform	MPN/100ml	Absent	Absent	Absent	Absent	IS 1622	-	Absent

BQL - Below Quantification Limit

Analysis By  
  
 Vishal Makwana



Approved By  
  
 Pankil Patel

.....END.....

# **Ambient Air Report**





# Go Green Mechanisms Pvt.Ltd.

Reporting Date: -06.10.2023

## AMBIENT AIR QUALITY ANALYSIS REPORT

Company Name		Kutch Copper Limited												
		On Site 24 Hourly Monitoring Results												
Sample Type		AMBIENT AIR QUALITY MONITORING												
Location Name		Moti Bhujpar Village												
Parameters	Unit	PM (<10)	PM (<2.5)	SO <sub>2</sub>	NO <sub>2</sub>	O <sub>3</sub>	NH <sub>3</sub>	CO	Benzene	B@P	Pb	Ni	As	
Test Method		IS 5182-Part23	GGMPL/SOP/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	
NAAQ Standards		100	60	80	80	100	400	4	5	1	1	20	6	
Sampling Start Date	Sampling End Date													
1.	04.09.2023	58.37	29.16	11.41	19.31	-	-	-	-	-	-	-	-	
2.	08.09.2023	61.96	31.24	12.14	22.49	-	-	-	-	-	-	-	-	
3.	11.09.2023	56.21	28.33	10.44	19.55	-	-	-	-	-	-	-	-	





# Go Green Mechanisms Pvt.Ltd.

4.	14.09.2023	15.09.2023	63.20	33.33	12.48	21.75	-	-	-	-	-	-	-	-	-	-	-	-
5.	18.09.2023	19.09.2023	62.64	31.66	9.27	18.09	-	-	-	-	-	-	-	-	-	-	-	-
6.	21.09.2023	22.09.2023	61.02	29.16	11.29	20.53	13.17	11.59	0.33	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)	-	-	-	-
7.	25.09.2023	26.09.2023	55.16	25.41	9.68	18.82	-	-	-	-	-	-	-	-	-	-	-	-
8.	28.09.2023	29.09.2023	60.49	27.49	12.83	22.55	-	-	-	-	-	-	-	-	-	-	-	-
<b>AVERAGE</b>			59.88	29.47	11.19	20.39	-	-	-	-	-	-	-	-	-	-	-	-

Analysis By

*Vishal*

Vishal Mkawana

Approved By

*Pankil*

Pankil Patel



END.....



# Go Green Mechanisms Pvt.Ltd.

Reporting Date: - 06.10.2023

## AMBIENT AIR QUALITY ANALYSIS REPORT

Company Name		Kutch Copper Limited											
Sample Type		On Site 24 Hourly Monitoring Results											
Sample Type		AMBIENT AIR QUALITY MONITORING											
Location Name		Zarapara Village											
Sr. No.	Parameters	PM (<10)	PM (<2.5)	SO <sub>2</sub>	NO <sub>2</sub>	O <sub>3</sub>	NH <sub>3</sub>	CO	Benzene	B@P	Pb	Ni	AS
		µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	mg/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>
Test Method	NAAQ Standards	IS 5182-Part23	GGMPL/SOP/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
		100	60	80	80	100	400	4	5	1	1	20	6
Sampling Start Date	Sampling End Date												
		1.	04.09.2023	58.05	29.16	10.37	18.33	-	-	-	-	-	-
2.	08.09.2023	62.27	32.08	11.74	19.25	-	-	-	-	-	-	-	-
3.	11.09.2023	59.38	29.16	9.74	18.97	-	-	-	-	-	-	-	-





# Go Green Mechanisms Pvt.Ltd.

4.	14.09.2023	15.09.2023	57.64	27.91	11.44	22.55	-	-	-	-	-	-	-	-	-
5.	18.09.2023	19.09.2023	58.92	29.16	10.64	17.05	-	-	-	-	-	-	-	-	-
6.	21.09.2023	22.09.2023	57.29	28.33	9.92	18.70	15.37	13.04	0.38	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)	
7.	25.09.2023	26.09.2023	56.20	27.49	11.06	17.84	-	-	-	-	-	-	-	-	
8.	28.09.2023	29.09.2023	58.74	28.33	10.40	16.62	-	-	-	-	-	-	-	-	
			<b>AVERAGE</b>	28.95	10.67	18.66	-	-	-	-	-	-	-	-	

Analysis By

*Vishal*  
Vishal Makwana



Approved By

*Pankil*  
Pankil Patel

.....END.....



# Go Green Mechanisms Pvt.Ltd.

Reporting Date: - 06.10.2023

## AMBIENT AIR QUALITY ANALYSIS REPORT

Company Name		Kutch Copper Limited												
Sample Type		On Site 24 Hourly Monitoring Results												
Location Name		Shiracha Village												
Sr. No.	Parameters	PM (<10)	PM (<2.5)	SO <sub>2</sub>	NO <sub>2</sub>	O <sub>3</sub>	NH <sub>3</sub>	CO	Benzene	B@P	Pb	Ni	As	
		µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	mg/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>
Test Method		IS 5182-Part23	GGMPL/SO 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	
NAAQ Standards		100	60	80	80	100	400	4	5	1	1	20	6	
Sampling Start Date	Sampling End Date													
1.	04.09.2023	05.09.2023	64.38	33.74	11.24	22.82	-	-	-	-	-	-	-	
2.	08.09.2023	09.09.2023	57.48	27.49	14.04	20.90	-	-	-	-	-	-	-	
3.	11.09.2023	12.09.2023	60.27	31.66	10.43	19.52	-	-	-	-	-	-	-	







# Go Green Mechanisms Pvt.Ltd.

Reporting Date: - 06.10.2023

## AMBIENT AIR QUALITY ANALYSIS REPORT


Company Name		Kutch Copper Limited												
Sample Type		On Site 24 Hourly Monitoring Results												
Location Name		Near Gate No.2												
Sr. No.	Parameters	PM (<10)	PM (<2.5)	SO <sub>2</sub>	NO <sub>2</sub>	O <sub>3</sub>	NH <sub>3</sub>	CO	Benzene	B@P	Pb	Ni	As	
		µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	mg/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>
Test Method		IS 5182-Part23	GGMPL/SOP/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	
NAAQ Standards		100	60	80	80	100	400	4	5	1	1	20	6	
Sampling Start Date	Sampling End Date													
1.	04.09.2023	64.37	33.74	12.53	20.29	-	-	-	-	-	-	-	-	
2.	08.09.2023	65.84	34.16	14.14	23.37	-	-	-	-	-	-	-	-	
3.	11.09.2023	63.52	32.08	13.74	21.45	-	-	-	-	-	-	-	-	





# Go Green Mechanisms Pvt.Ltd.

4.	14.09.2023	15.09.2023	61.83	32.91	11.91	19.31	-	-	-	-	-	-	-	-	-	-	-
5.	18.09.2023	19.09.2023	63.86	34.16	12.48	20.35	-	-	-	-	-	-	-	-	-	-	-
6.	21.09.2023	22.09.2023	58.83	30.41	11.87	19.52	16.31	17.39	0.37	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)	-	-	-
7.	25.09.2023	26.09.2023	62.51	31.24	12.92	22.82	-	-	-	-	-	-	-	-	-	-	-
8.	28.09.2023	29.09.2023	63.22	32.08	14.53	23.65	-	-	-	-	-	-	-	-	-	-	-
			<b>AVERAGE</b>	63.00	32.60	13.01	21.34	-	-	-	-	-	-	-	-	-	-

Analysis By  
  
 Vishal Makwana



Approved By  
  
 Pankil Patel

.....END.....



# **Ambient Noise Report**

Reporting Date:-06.10.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Moti Bhujpar Village		
Sampling Date			11.09.2023		
Sampling Instrument		Sound Level Meter		Ldn	50.1
Lmax (Day)		56.2		Lmax (Night)	44.6
Lmin (Day)		44.8		Lmin (Night)	40.5
Leq (Day)		51.6		Leq (Night)	42.5
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
1.	06:00 - 07:00	48.7	dB (A) Leq	IS 9989	75
2.	07:00 - 08:00	46.6	dB (A) Leq	IS 9989	75
3.	08:00 - 09:00	53.8	dB (A) Leq	IS 9989	75
4.	09:00 - 10:00	56.2	dB (A) Leq	IS 9989	75
5.	10:00 - 11:00	52.5	dB (A) Leq	IS 9989	75
6.	11:00 - 12:00	55.5	dB (A) Leq	IS 9989	75
7.	12:00 - 13:00	52.9	dB (A) Leq	IS 9989	75
8.	13:00 - 14:00	50.7	dB (A) Leq	IS 9989	75
9.	14:00 - 15:00	47.2	dB (A) Leq	IS 9989	75
10.	15:00 - 16:00	48.6	dB (A) Leq	IS 9989	75
11.	16:00 - 17:00	51.3	dB (A) Leq	IS 9989	75
12.	17:00 - 18:00	54.2	dB (A) Leq	IS 9989	75



Reporting Date:-06.10.2023

## AMBIENT NOISE MONITORING REPORT

**Company Name**

**Kutch Copper Limited**

### On Site 24 Hourly Monitoring Results

Sample Type		Ambient Noise Monitoring			
Location		Moti Bhujpar Village			
Sampling Date		11.09.2023			
Sampling Instrument	Sound Level Meter	Ldn	50.1		
Lmax (Day)	56.2	Lmax (Night)	44.6		
Lmin (Day)	44.8	Lmin (Night)	40.5		
Leq (Day)	51.6	Leq (Night)	42.5		
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
13.	18:00 - 19:00	47.2	dB (A) Leq	IS 9989	75
14.	19:00 - 20:00	45.3	dB (A) Leq	IS 9989	75
15.	20:00 - 21:00	47.0	dB (A) Leq	IS 9989	75
16.	21:00 - 22:00	44.8	dB (A) Leq	IS 9989	75
17.	22:00 - 23:00	42.5	dB (A) Leq	IS 9989	70
18.	23:00 - 12:00	44.0	dB (A) Leq	IS 9989	70
19.	12:00 - 01:00	44.6	dB (A) Leq	IS 9989	70
20.	01:00 - 02:00	40.8	dB (A) Leq	IS 9989	70
21.	02:00 - 03:00	41.2	dB (A) Leq	IS 9989	70
22.	03:00 - 04:00	40.5	dB (A) Leq	IS 9989	70
23.	04:00 - 05:00	42.7	dB (A) Leq	IS 9989	70
24.	05:00 - 06:00	42.0	dB (A) Leq	IS 9989	70

Analysis By  
*Vishal*  
Vishal Makwana

Approved By  
*Pankil*  
Pankil Patel

END

Reporting Date:-06.10.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Nr.Gate No.2		
Sampling Date			21.09.2023		
Sampling Instrument		Sound Level Meter		Ldn	51.8
Lmax (Day)		58.4		Lmax (Night)	46.9
Lmin (Day)		45.2		Lmin (Night)	40.7
Leq (Day)		53.4		Leq (Night)	43.8
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
1.	06:00 - 07:00	51.5	dB (A) Leq	IS 9989	75
2.	07:00 - 08:00	52.7	dB (A) Leq	IS 9989	75
3.	08:00 - 09:00	56.3	dB (A) Leq	IS 9989	75
4.	09:00 - 10:00	55.2	dB (A) Leq	IS 9989	75
5.	10:00 - 11:00	58.4	dB (A) Leq	IS 9989	75
6.	11:00 - 12:00	54.0	dB (A) Leq	IS 9989	75
7.	12:00 - 13:00	52.3	dB (A) Leq	IS 9989	75
8.	13:00 - 14:00	49.6	dB (A) Leq	IS 9989	75
9.	14:00 - 15:00	49.2	dB (A) Leq	IS 9989	75
10.	15:00 - 16:00	48.4	dB (A) Leq	IS 9989	75
11.	16:00 - 17:00	54.2	dB (A) Leq	IS 9989	75
12.	17:00 - 18:00	56.7	dB (A) Leq	IS 9989	75



Reporting Date:-06.10.2023

## AMBIENT NOISE MONITORING REPORT

**Company Name**

**Kutch Copper Limited**

### On Site 24 Hourly Monitoring Results

Sample Type		Ambient Noise Monitoring			
Location		Nr.Gate No.2			
Sampling Date		21.09.2023			
Sampling Instrument	Sound Level Meter	Ldn	51.8		
Lmax (Day)	58.4	Lmax (Night)	46.9		
Lmin (Day)	45.2	Lmin (Night)	40.7		
Leq (Day)	53.4	Leq (Night)	43.8		
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
13.	18:00 - 19:00	48.6	dB (A) Leq	IS 9989	75
14.	19:00 - 20:00	45.2	dB (A) Leq	IS 9989	75
15.	20:00 - 21:00	50.2	dB (A) Leq	IS 9989	75
16.	21:00 - 22:00	49.7	dB (A) Leq	IS 9989	75
17.	22:00 - 23:00	43.9	dB (A) Leq	IS 9989	70
18.	23:00 - 12:00	42.4	dB (A) Leq	IS 9989	70
19.	12:00 - 01:00	43.8	dB (A) Leq	IS 9989	70
20.	01:00 - 02:00	42.5	dB (A) Leq	IS 9989	70
21.	02:00 - 03:00	40.7	dB (A) Leq	IS 9989	70
22.	03:00 - 04:00	43.0	dB (A) Leq	IS 9989	70
23.	04:00 - 05:00	44.1	dB (A) Leq	IS 9989	70
24.	05:00 - 06:00	46.9	dB (A) Leq	IS 9989	70

Analysis By  
*Vishal Makwana*  
Vishal Makwana



Approved By  
*Pankil Patel*  
Pankil Patel

.....END.....

Reporting Date:-06.10.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Zarapara Village		
Sampling Date			14.09.2023		
Sampling Instrument	Sound Level Meter		Ldn	51.2	
Lmax (Day)	57.2	Lmax (Night)		44.7	
Lmin (Day)	43.8	Lmin (Night)		40.5	
Leq (Day)	52.7	Leq (Night)		42.9	
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
1.	06:00 - 07:00	48.6	dB (A) Leq	IS 9989	75
2.	07:00 - 08:00	50.2	dB (A) Leq	IS 9989	75
3.	08:00 - 09:00	56.2	dB (A) Leq	IS 9989	75
4.	09:00 - 10:00	52.7	dB (A) Leq	IS 9989	75
5.	10:00 - 11:00	54.5	dB (A) Leq	IS 9989	75
6.	11:00 - 12:00	50.9	dB (A) Leq	IS 9989	75
7.	12:00 - 13:00	57.2	dB (A) Leq	IS 9989	75
8.	13:00 - 14:00	49.8	dB (A) Leq	IS 9989	75
9.	14:00 - 15:00	49.2	dB (A) Leq	IS 9989	75
10.	15:00 - 16:00	52.7	dB (A) Leq	IS 9989	75
11.	16:00 - 17:00	56.4	dB (A) Leq	IS 9989	75
12.	17:00 - 18:00	53.5	dB (A) Leq	IS 9989	75



Reporting Date:-06.10.2023

## AMBIENT NOISE MONITORING REPORT

**Company Name**

**Kutch Copper Limited**

### On Site 24 Hourly Monitoring Results

Sample Type		Ambient Noise Monitoring			
Location		Zarapara Village			
Sampling Date		14.09.2023			
Sampling Instrument	Sound Level Meter	Ldn	51.2		
Lmax (Day)	57.2	Lmax (Night)	44.7		
Lmin (Day)	43.8	Lmin (Night)	40.5		
Leq (Day)	52.7	Leq (Night)	42.9		
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
13.	18:00 - 19:00	50.6	dB (A) Leq	3.8	75
14.	19:00 - 20:00	48.6	dB (A) Leq	IS 9989	75
15.	20:00 - 21:00	45.0	dB (A) Leq	IS 9989	75
16.	21:00 - 22:00	43.8	dB (A) Leq	IS 9989	75
17.	22:00 - 23:00	42.7	dB (A) Leq	IS 9989	70
18.	23:00 - 12:00	44.5	dB (A) Leq	IS 9989	70
19.	12:00 - 01:00	41.6	dB (A) Leq	IS 9989	70
20.	01:00 - 02:00	40.5	dB (A) Leq	IS 9989	70
21.	02:00 - 03:00	43.0	dB (A) Leq	IS 9989	70
22.	03:00 - 04:00	42.6	dB (A) Leq	IS 9989	70
23.	04:00 - 05:00	41.9	dB (A) Leq	IS 9989	70
24.	05:00 - 06:00	44.7	dB (A) Leq	IS 9989	70

Analysis By

*Vishal*

Vishal Makwana

Approved By

*Pankil*

Pankil Patel

END

Reporting Date:-06.10.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Shiracha Village		
Sampling Date			18.09.2023		
Sampling Instrument		Sound Level Meter		Ldn	51.7
Lmax (Day)		58.9		Lmax (Night)	46.2
Lmin (Day)		44.2		Lmin (Night)	39.5
Leq (Day)		53.3		Leq (Night)	43.2
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
1.	06:00 - 07:00	46.9	dB (A) Leq	IS 9989	65
2.	07:00 - 08:00	48.2	dB (A) Leq	IS 9989	65
3.	08:00 - 09:00	49.7	dB (A) Leq	IS 9989	65
4.	09:00 - 10:00	47.2	dB (A) Leq	IS 9989	65
5.	10:00 - 11:00	56.5	dB (A) Leq	IS 9989	65
6.	11:00 - 12:00	54.2	dB (A) Leq	IS 9989	65
7.	12:00 - 13:00	51.8	dB (A) Leq	IS 9989	65
8.	13:00 - 14:00	55.4	dB (A) Leq	IS 9989	65
9.	14:00 - 15:00	53.2	dB (A) Leq	IS 9989	65
10.	15:00 - 16:00	58.9	dB (A) Leq	IS 9989	65
11.	16:00 - 17:00	53.7	dB (A) Leq	IS 9989	65
12.	17:00 - 18:00	56.1	dB (A) Leq	IS 9989	65





Reporting Date:- 06.10.2023

## AMBIENT NOISE MONITORING REPORT


**Company Name**

**Kutch Copper Limited**

### On Site 24 Hourly Monitoring Results

Sample Type		Ambient Noise Monitoring			
Location		Shiracha Village			
Sampling Date		18.09.2023			
Sampling Instrument	Sound Level Meter	Ldn	51.7		
Lmax (Day)	58.9	Lmax (Night)	46.2		
Lmin (Day)	44.2	Lmin (Night)	39.5		
Leq (Day)	53.3	Leq (Night)	43.2		
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
13.	18:00 - 19:00	52.8	dB (A) Leq	IS 9989	65
14.	19:00 - 20:00	47.0	dB (A) Leq	IS 9989	65
15.	20:00 - 21:00	45.3	dB (A) Leq	IS 9989	65
16.	21:00 - 22:00	44.2	dB (A) Leq	IS 9989	65
17.	22:00 - 23:00	45.0	dB (A) Leq	IS 9989	55
18.	23:00 - 12:00	42.9	dB (A) Leq	IS 9989	55
19.	12:00 - 01:00	43.0	dB (A) Leq	IS 9989	55
20.	01:00 - 02:00	41.1	dB (A) Leq	IS 9989	55
21.	02:00 - 03:00	42.6	dB (A) Leq	IS 9989	55
22.	03:00 - 04:00	39.5	dB (A) Leq	IS 9989	55
23.	04:00 - 05:00	41.7	dB (A) Leq	IS 9989	55
24.	05:00 - 06:00	46.2	dB (A) Leq	IS 9989	55

Analysis By

  
Vishal Makwana

Approved By

  
Pankil Patel

.....END.....

Reporting Date:-06.10.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Nr. Main Gate		
Sampling Date			28.09.2023		
Sampling Instrument		Sound Level Meter		Ldn	52.0
Lmax (Day)		59.2		Lmax (Night)	43.1
Lmin (Day)		44.6		Lmin (Night)	39.7
Leq (Day)		53.6		Leq (Night)	41.5
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
1.	06:00 - 07:00	50.7	dB (A) Leq	IS 9989	75
2.	07:00 - 08:00	47.0	dB (A) Leq	IS 9989	75
3.	08:00 - 09:00	59.2	dB (A) Leq	IS 9989	75
4.	09:00 - 10:00	53.0	dB (A) Leq	IS 9989	75
5.	10:00 - 11:00	56.8	dB (A) Leq	IS 9989	75
6.	11:00 - 12:00	52.9	dB (A) Leq	IS 9989	75
7.	12:00 - 13:00	49.7	dB (A) Leq	IS 9989	75
8.	13:00 - 14:00	49.4	dB (A) Leq	IS 9989	75
9.	14:00 - 15:00	51.5	dB (A) Leq	IS 9989	75
10.	15:00 - 16:00	56.2	dB (A) Leq	IS 9989	75
11.	16:00 - 17:00	54.0	dB (A) Leq	IS 9989	75
12.	17:00 - 18:00	57.2	dB (A) Leq	IS 9989	75



Reporting Date:-06.10.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Nr. Main Gate		
Sampling Date			28.09.2023		
Sampling Instrument		Sound Level Meter	Ldn	52.0	
Lmax (Day)		59.2	Lmax (Night)	43.1	
Lmin (Day)		44.6	Lmin (Night)	39.7	
Leq (Day)		53.6	Leq (Night)	41.5	
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
13.	18:00 - 19:00	52.8	dB (A) Leq	IS 9989	75
14.	19:00 - 20:00	46.2	dB (A) Leq	IS 9989	75
15.	20:00 - 21:00	47.3	dB (A) Leq	IS 9989	75
16.	21:00 - 22:00	44.6	dB (A) Leq	IS 9989	75
17.	22:00 - 23:00	43.1	dB (A) Leq	IS 9989	70
18.	23:00 - 12:00	41.8	dB (A) Leq	IS 9989	70
19.	12:00 - 01:00	42.7	dB (A) Leq	IS 9989	70
20.	01:00 - 02:00	40.5	dB (A) Leq	IS 9989	70
21.	02:00 - 03:00	39.7	dB (A) Leq	IS 9989	70
22.	03:00 - 04:00	39.9	dB (A) Leq	IS 9989	70
23.	04:00 - 05:00	40.6	dB (A) Leq	IS 9989	70
24.	05:00 - 06:00	42.5	dB (A) Leq	IS 9989	70

Analysis By



Vishal Makwana

Approved By



Pankil Patel

END

Reporting Date:-06.10.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Nr. Project Building		
Sampling Date			25.09.2023		
Sampling Instrument		Sound Level Meter		Ldn	51.5
Lmax (Day)		58.7		Lmax (Day)	45.1
Lmin (Day)		45.2		Lmin (Day)	41.3
Leq (Day)		53.0		Leq (Day)	43.6
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
1.	06:00 - 07:00	54.2	dB (A) Leq	IS 9989	75
2.	07:00 - 08:00	51.6	dB (A) Leq	IS 9989	75
3.	08:00 - 09:00	55.7	dB (A) Leq	IS 9989	75
4.	09:00 - 10:00	50.9	dB (A) Leq	IS 9989	75
5.	10:00 - 11:00	58.7	dB (A) Leq	IS 9989	75
6.	11:00 - 12:00	55.2	dB (A) Leq	IS 9989	75
7.	12:00 - 13:00	53.3	dB (A) Leq	IS 9989	75
8.	13:00 - 14:00	48.6	dB (A) Leq	IS 9989	75
9.	14:00 - 15:00	50.9	dB (A) Leq	IS 9989	75
10.	15:00 - 16:00	53.0	dB (A) Leq	IS 9989	75
11.	16:00 - 17:00	51.6	dB (A) Leq	IS 9989	75
12.	17:00 - 18:00	54.2	dB (A) Leq	IS 9989	75



Reporting Date:-06.10.2023

## AMBIENT NOISE MONITORING REPORT

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
<b>On Site 24 Hourly Monitoring Results</b>					
Sample Type			Ambient Noise Monitoring		
Location			Nr. Project Building		
Sampling Date			25.09.2023		
Sampling Instrument		Sound Level Meter		Ldn	51.5
Lmax (Day)		58.7		Lmax (Day)	45.1
Lmin (Day)		45.2		Lmin (Day)	41.3
Leq (Day)		53.0		Leq (Day)	43.6
Sr. No.	Time	Hourly Leq	Unit	Test Method	Norms
13.	18:00 - 19:00	49.2	dB (A) Leq	IS 9989	75
14.	19:00 - 20:00	48.7	dB (A) Leq	IS 9989	75
15.	20:00 - 21:00	45.2	dB (A) Leq	IS 9989	75
16.	21:00 - 22:00	46.7	dB (A) Leq	IS 9989	75
17.	22:00 - 23:00	44.0	dB (A) Leq	IS 9989	70
18.	23:00 - 12:00	42.3	dB (A) Leq	IS 9989	70
19.	12:00 - 01:00	43.9	dB (A) Leq	IS 9989	70
20.	01:00 - 02:00	42.6	dB (A) Leq	IS 9989	70
21.	02:00 - 03:00	45.0	dB (A) Leq	IS 9989	70
22.	03:00 - 04:00	41.3	dB (A) Leq	IS 9989	70
23.	04:00 - 05:00	43.0	dB (A) Leq	IS 9989	70
24.	05:00 - 06:00	45.1	dB (A) Leq	IS 9989	70

Analysis By  
*Vishal*  
Vishal Makwana

Approved By  
*Pankil*  
Pankil Patel



.....END.....