

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

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

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

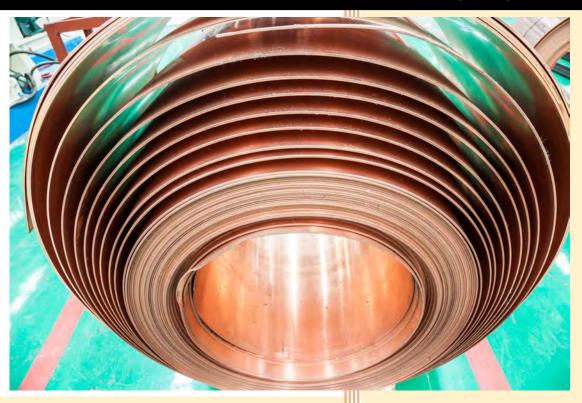
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### For Period:

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

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

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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).

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

SI.	Conditions of EC	Compliance Status				
No.		Compliance States				
(:)	Statutory Compliance	As a sale to TO and subsequent amond and a sale				
(i)	The project proponent shall obtain forest clearance under the provisions of Forest	As per the EC and subsequent amendments granted there is no forest land involved in				
	(Conservation) Act, 1986, in case of the	the project area.				
	diversion of forest land for non- forest purpose	the project area.				
	involved in the project.					
(ii)	The project proponent shall prepare a Site-	Site Specific Conservation Plan & Wildlife				
(")	Specific Conservation Plan & Wildlife	Management Plan had been prepared and				
	Management Plan and approved by the Chief	submitted for approval of the Chief Wildlife				
	Wildlife Warden.	Warden, Bhuj, Gujarat for further				
	The recommendations of the approved Site-	suggestion & implementation.				
	Specific Conservation Plan/ Wildlife	acggestion o imprementation				
	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.					
(iii)	The project proponent shall obtain Consent to	a. Consent to Establish has been obtained				
	Establish/Operate under the provisions of Air	from GPCB vide letter dt; 19.09.2021.				
	(Prevention & Control of Pollution) Act, 1981	b. Consent to Operate will be obtained				
	and the (Water Prevention & Control of	prior to the commencement of the plant				
	Pollution) Act, 1974 from the concerned State	operation.				
	Pollution Control Board/ Committee.					
(iv)	The project proponent shall obtain the	No, Ground water is proposed for the				
	necessary permission from the Central Ground	project.				
	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.					
(v)	The project proponent shall obtain	·				
	authorization under the Hazardous and other	commencement of the plant operation				
	Waste Management Rule, 2016 as amended from time to time.	activity.				
II	Air quality monitoring and preservation					
(i)	The project proponent shall install 24X7	Compliance assured, prior to the				
	continuous emission monitoring system at	commencement of the plant operation				
	process stacks to monitor stack emission with	activity.				
	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					

SI. No.	Conditions of EC	Compliance Status
100.	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.

SI. No.	Conditions of EC	Compliance Status				
140.		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.	·				
Ш	Water quality monitoring and preservation					
(i)	The project proponent shall install 24X7 continuous effluent monitoring system with respect to standards prescribed in Environmental (Protection) Rules 1986 vide G.S.R 742 (E) dated 30th August 1990 and further amended vide G.S.R 46 (E) dated 3rd February 2006 (Aluminium); S.O. 3305 (E) dated 7th 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	commencement of the plant operation				
(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.				

SI. 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.
IV	Noise monitoring and prevention	
(i)	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	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.
V	Energy Conservation measures	
(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.
VI	Waste management	
(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.

CI	1.0 MTPA (One Million Tons Per Affidin) Greenfield Copper Reffilery Project					
SI. No.	Conditions of EC	Compliance Status				
(iii)	to biogas for further use. of the plant operation activity.					
(iv)	to biogas for further use.	Compliance assured, post commencement of the plant operation activity.				
VII	Green Belt					
(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.	ree project takes off. Plantation/green be es. development is started in available area. tire  HG Will be complied post stabilisation of the				
VIII	Public hearing and Human health issues					
(i)	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	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)	·					
(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.				
IX	Corporate Environment Responsibility					
(i)	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st 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 01st May 2018.				

SI.	Conditions of FO	Compliance Status		
No.	Conditions of EC	· ·		
(ii)	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements / deviation / violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest/ wildlife norms / conditions and/or shareholders / stakeholders. The copy of the board resolution in this regard shall be submitted to the MoEFCC as a part of six-	Adani group has well laid Environmental, Health & Safety policy in place.  We have established Environment Management Department with Senior Management at Corporate level.		
(iii)	monthly report.  A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the 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		
×	Miscellaneous			
(i)	The project proponent shall make public the environmental clearance granted for their project along with 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.	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: -		

SI. No.	Conditions of EC	Compliance Status
NO.		Kutch vide letter AEL/Copper/ EC/2020/ May-1 dated 11/05/2020. The EC Copies has also been submitted to following offices through post. i. The Mamlatdar Office, Mundra Kutch ii. Regional Office Kutch (East), GPCB, Gandhidham. iii. The Taluka Development Office, Mundra-Kutch iv. District Industries Centre, Bhuj-Kutch v. The District Collector, Bhuj-Kutch vi. The District Development Office, Bhuj-Kutch EC amendment & transfer letter has been uploaded on the company's website:
(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.	https://www.adanienterprises.com  Being Complied  Half yearly EC Compliance status report being submitted to MoEF&CC, CPCB & GPCB. The same is being uploaded on company's website  https://www.adanienterprises.com
(iv)	The project proponent shall monitor the criteria pollutant level namely; $PM_{10}$ , $SO_2$ , $NO_x$ (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same as a convenient location for disclosure to the public and put on the website of the company.	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.	Being Complied. Half yearly EC Compliance status report is being submitted to MoEF&CC, CPCB & GPCB on regular basis.
(vi)	The project proponent shall submit environmental statement for each financial year in Form- V to the concerned State Pollution Control Board as prescribed under the Environmental (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	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

SI. 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, interalia 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.		

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

SI. No.	Conditions of EC	Compliance Status			
(xvi)	Any appeal against this EC shall lie with the	Noted.			
	National Green Tribunal, if preferred, within a	There is an Appeal in National Green			
	period of 30 days as prescribed under Section	Tribunal against the project vide Appeal			
	16 of the National Green Tribunal Act, 2020.	No. 35/2020 (WZ).			

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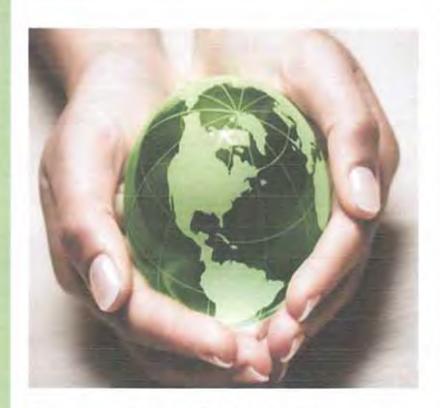
Report Issued to:

**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

### 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

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For Go Green Mechanisms Pvt Ltd



### Ground Water Report



Reporting Date: - 02.05.2023

### WATER ANALYSIS REPORT

Company Name			e Kutch	Copper	Limited				
Samp	le Type	Ground W	/ater						
Sample Quantity 3.5 L									
Date o	of Sampling	27.04.202	23						
Analys	sis Period	28:04:202	23 - 02.05.2023						
				Loc	ation			IS 10500:2012	
SI. No.	Parameter	Unit	Shiracha Village	Zarpara Village	MotiBhujpar Village	MotaKanda gra Village	Test Method	AL	PL
1.	рН@25 ℃		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 Sollds	mg/L	212.0	396.0	610.0	597.0	APHA23rd Edn(2540 C)	500	2000
4.	Total Hardness as CaCO3	mg/L	108.0	171.0	354.0	269.0	APHA23rd Edn(2340 C)	200	600
5.	Atkalinity as CaCO3	mg/L	76,00	133,00	274.00	247.00	APHA23rd Edit (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	JS 3025-Part23	250	1000
8.	Sulphate	mg/L	26,88	90.10	136.75	92.53	APHA23rdEdn (4500SO4E)	200	400
9.	Nitrate	mg/L	0.99	BQL(QL=0.5)	2.65	1.37	APHA23rdEdn (4500NO <sub>2</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)	8QL (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	12	Agreeable	Agreeable	Agreeable	Agreeable	1S 3025 - Part 5	Agreeable	Agreeable
18.	Temperature	°C	27.6	27.4	27.3	27.5	APHA23rdEdn (2550B)	NS	NS
19.	Taste	13	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 (8)	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
Skitzy K.B.
Shiyal Kishor



Approved By
Pankil Patel

### Soil Report



Reporting Date:-02.05.2023

### **SOIL ANALYSIS REPORT**

Con	npany Name	Kutch Cop	per Limited	
Sample	Туре	Soil		
Sample	Quantity	2 kg		
Date of	Sampling	27.04.2023		
Analysis	s Period	28.04.2023-02.05	.2023	
				Location
SI. No.	Parameter	Unit	Test Method	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





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

BQL - Below Quantification Limit

Analysis By

Shipuk.B.

Shiyal Kishor



Approved By

R

Pankil Patel

**END** 

### Ambient Air Report



Reporting Date: - 02.05.2023

# AMBIENT AIR QUALITY ANALYSIS REPORT

Samp		company Manne	Mac	March copper city	ב	штеа	0							
Samp				Ou	On Site 24 H	Hour	ly Mon	ourly Monitoring Results	esults					
	Sample Type		AMBI	AMBIENT AIR QUALITY MONITORING	QUAL	TY MC	ONITO	SING						
Locat	Location Name		Mota	Mota Kandagra Village	Villa	ge								
	Parameters		PM (<10)	PM (<2.5)	SO2	NO2	40	NH3	8	Benzene	ВФР	Pb	Z	As
3	Unit		tig/m3	pg/m3	ра/шз	ра/шз	hg/m3	pg/m3	тө/т3	гш/бл	ng/m3	£m/bri	ng/m3	ng/m3
Sr. No.	Test Method		IS 5182- Part23	GGMPL/SOP/ AA/60	15 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 10-3.4	Method IO-3.4
2	NAAQ Standards		100	09	80	80	100	400	4	5	1	1	20	9
	Sampling Start Date	Sampling End Date												
1	03.04.2023	04.04.2023	67.38	36.66	13.92	21.36	v		ù	*	1		4)	è
2.	06.04.2023	07.04,2023	63,45	32.91	12.37	23,29			ì	4				i
3,	10.04.2023	11.04.2023	66.82	35.83	15.25	24.05			ý.	7	4			- 1

Page No 1 of 2



5) (QL=1)	1	T	4.	,	ī
(QL=5)	1	t	¥	(*)	1
BQL (QL=0.001)	i.	1	*		
BQL (QL=0.5)	- (	Ī.	4		r
BQL (QL=2.5)	1	Ť	ų.	3	ı
0.31	1	1)	1	,	E
16.81	j.	1			-
14,35	1	į.			
21.93	23.04	22.53	24.78	22.53	22.94
13.84	15.34	13.87	15.25	13.51	14.17
33.74	36.66	34.58	33.33	32.49	34.52
64.73	67.49	90:59	65.18	64.10	65.53
14.04.2023	18.04.2023	21.04.2023	25.04.2023	28.04.2023	AVERAGE
13.04.2023	17.04.2023	20.04.2023	24.04.2023	27.04.2023	
4,	.5.	.9	7.	8.	

Analysis By Shiyeu K-8. Shiyal Kishor

Approved By

R
Pankil Patel

END

Page No 2 of 2



Reporting Date: - 02.05.2023

## AMBIENT AIR QUALITY ANALYSIS REPORT

Sample Type   AMBIENT AIR QUALITY MONITORING   AMBIENT AIR QUALITY MONITORING   AMBIENT AIR QUALITY MONITORING   Ambiences   Ambiences	S	Company Name	ame	Kutc	Kutch Copper Limited	er Li	mite	T							
AMBIENT AIR QUALITYY MONITORING   AMBIENT AIR QUALITY MONITORING   AMBIENT AIR					On S	Site 24		y Mon	toring R	esults					
Pation Name         Zarapara VIIIage         No.         O,         NH,         CO         Benzene         B@P         PD           Parameters         PM (<10)         PM (<2.5)         SO;         NO;         O,         NH,         CO         Benzene         B@P         PD           Unit         Light         Light </th <th>San</th> <th>ple Type</th> <th></th> <th>AMBII</th> <th>ENT AIR</th> <th>QUAL</th> <th>ITY MC</th> <th>NITOR</th> <th>SING</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	San	ple Type		AMBII	ENT AIR	QUAL	ITY MC	NITOR	SING						
Parameters   PM (<10)   PM (<2.5)   SO;   NO;   O;   NH;   CO   Benzene   B@P   PD	Loca	ation Name		Zarap	ara Villag	ae.									
Unit         ug/m3         µg/m3		Parameters		PM (<10)	PM (<2.5)	SO	NO	03	NH.	8	Benzene	B@b	P.D	Z	As
Test Method         Test Method         IS 5182- and and and standards         IS 5182- and		Unit		£m/bd	pg/m3	µg/m3	pg/m3	pg/m3	ра/ш3	mg/m3	ра/ш3	ng/m3	pg/m3	ng/m3	ng/m3
NAAQ Standards         Sampling End Date         60         80         80         100         400         4         5         1         1           Sampling Sart Date         Sampling End Date         12.51         22.78         -	Sr. No.	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
Sampling Start       Sampling End Date       12.51       22.78       -		NAAQ Standards		100	09	80	80	100	400	4	10	1	ŧ	20	9
03.04.2023         04.04.2023         64.52         34.99         12.51         22.78         -		Sampling Start Date	Sampling End Date												
06.04.2023         07.04.2023         61.39         32.49         11.12         21.27         -         -         -           10.04.2023         11.04.2023         65.53         35.41         13.85         23.04         -         -         -         -	1.	03.04.2023	04.04.2023	64.52	34.99	12,51	22.78	4			4	4	X-	4	4
10.04.2023 11.04.2023 65.53 35.41 13.85 23.04	7	06,04,2023	07.04.2023	61.39	32.49	11.12	21.27	A:			Ĭ.	٠	τ.	÷	-
	3,	10.04.2023	11.04.2023	65.53	35.41	13.85	23.04		. (	ų.	ţ		- 10	t	7.

Page 1 of 2



BQL BQL (QL=1)	1	-6	1		
BQL (QL=0,001)	-1"	Ţ		E	3
8QL (QL=0.5)	d-	4			-1
BQL (QL=2.5)	1	1			3
0,38	1	1	i	·	
15,41	i-	1			
17.16	ı	d.		+	(*
22.53	23.29	22.28	22.03	21.36	22.32
15.61	13,11	14.50	14.43	13.81	13.62
33.74	34.16	32.91	33.74	34.58	34.00
66,34	64.33	63,70	62.10	64.02	63.99
14,04,2023	18.04,2023	21.04.2023	25,04,2023	28.04.2023	AVERAGE
13.04.2023	17.04.2023	20.04.2023	24.04.2023	27.04.2023	
4	s,		7.	88	



Approved By

Pankil Patel

END

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Reporting Date: - 02.05.2023

# AMBIENT AIR QUALITY ANALYSIS REPORT

Shameters   AMBIENT AIR QUALITY Monitoring Results   Ambient   A	S	Company Name	ame	Kutc	Kutch Copper Limited	er Li	mite	7							
Parameters   AMBIENT AIR QUALITY MONITORING   Parameters   Part of Indiana   Parameters   Parameters   Part of Indiana   Parameters   Part of Indiana   Pa					Ou	Site 24	Hour	ly Mon	itoring R	esults					
Punit         Unit         List Rethod         Fix Action         PM (<2.5)	San	nple Type		AMBI	ENT AIR	QUAL	TY MC	NITO	RING						
Parameters         PM (<10)	Loc	ation Name		Shirac	ha Villag	0									
Unit         Lighm3         Lighm3 <td></td> <td>Parameters</td> <td></td> <td>PM (&lt;10)</td> <td>PM (&lt;2.5)</td> <td>303</td> <td>NO<sub>2</sub></td> <td>ő</td> <td>NHs</td> <td>8</td> <td>Benzene</td> <td>ВФР</td> <td>Pb</td> <td>Z</td> <td>AS</td>		Parameters		PM (<10)	PM (<2.5)	303	NO <sub>2</sub>	ő	NHs	8	Benzene	ВФР	Pb	Z	AS
Test Method         15 S182- GGMPL/SOP/ Part 2         IS S182- Part 6         Part 5 Part 6         Part 9 Part 9 Part 10         AA/62 Part 10         Part 2 Part 6         Part 9 Part 10         AA/62 Part 10         Part 9 Part 10         Part 11         Part 12         Part 11         Part 11         Part 12         Part 11         Part 11         Part 12         Part 11         Part 11         Part 11         Part 11         Part 12         Part 12         Part 11         Part 12         Part 12         Part 12         Part 11         Part 12         Part		Unit		pg/m3	ра/шз	ра/ш3	pg/m3	ра/ш3	tm/m3	mg/m3	ра/ш3	ng/m3	µg/m3	ng/m3	ng/m3
Sampling Start Date         Sampling End Date         65.63         86         80         100         400         4         5         1         1         20           03.04.2023         03.04.2023         65.63         35.41         14.31         22.78         -	Sr. No.			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 10-3.4	Method IO-3,4
Sampling Start         Sampling End Date         35.41         14.31         22.78         -		NAAQ Standards		100	09	80	80	100	400	ч	S	+	1	20	19
03.04.2023         03.04.2023         65.63         35.41         14.31         22.78		Sampling Start Date	Sampling End Date												
06.04.2023         07.04.2023         62.46         34.58         13.52         21.36         -         -         -           10.04.2023         67.15         36.66         15.55         23.29         -         -         -         -	4	03.04.2023	03.04.2023	65.63	35,41	14.31	22.78	4	4	,	1	a.		r	(μ
10.04,2023 11.04,2023 67.15 36.66 15.55 23.29	2	06.04.2023	07.04.2023	62.46	34.58	13.52	21.36	1			-1	j.	7	· i	1
	e,	10.04.2023	11.04.2023	67.15	36.66	15,55	23.29	Jan.		r	13		1	2	ı

Page No 1 of 2



8QL (QL=1)	-1	-r	-0	,	
(6r=5)	- 1	1			7
BQL (QL=0.001)	et.	1			
BQL (QL=0.5)	ý.	ā			
8QL (QL=2.5)	10	1.0	ų		×
0,32	Ŷ	1	7.	j.	
14,01	- t	T			
15.91	b.	1	141		
21.27	21.77	24.21	23.35	26.49	23.07
13.36	14.98	16.69	14.75	16.45	14.95
32.08	34.16	35.83	33.33	36.24	34.78
63.39	63.65	67.35	64.05	70.28	65.23
14,04,2023	18.04.2023	21.04.2023	25.04.2023	28.04.2023	AVERAGE
13.04.2023	17.04.2023	20,04,2023	24.04.2023	27.04.2023	
4	r,	9	7.	8	

Analysis By Shiyal Kishor Shiyal Kishor

Approved By

Pankii Patel

END

Page No 2 of 2



Reporting Date: -02.05.2023

# AMBIENT AIR QUALITY ANALYSIS REPORT

Shark   Sampling Start   Sampling Star	S	Company Name	ame	Kutc	Kutch Copper Limited	er Li	mite	7							
Parameters   Moti Bhujpar Village   Moti Bhujpar Village   Micking   Micki					Ou	Site 24		ly Mon	itoring R	esults					
Parameters         Moti Bhujpar VIIIage           Parameters         PM (<1.0)	San	nple Type		AMBI	ENT AIR	QUAL	TY MC	ONITO	RING						
Dunit         Dunit         PM (<10)	Loc	ation Name		Moti B	Shujpar \	fillage									
Unit         Lighm3         Lighm3 <td></td> <td>Parameters</td> <td></td> <td>PM (&lt;10)</td> <td>PM (&lt;2.5)</td> <td>SO</td> <td>NO2</td> <td>0,</td> <td>NH<sub>3</sub></td> <td>8</td> <td>Benzene</td> <td>вФр</td> <td>Pb</td> <td>Z</td> <td>As</td>		Parameters		PM (<10)	PM (<2.5)	SO	NO2	0,	NH <sub>3</sub>	8	Benzene	вФр	Pb	Z	As
Test Method         Test Method         15 5182- GGMPL/SOP/ Part 2         15 5182- Part 6         15 5182- Part 10         15 5182- Part 11         15 5182- Part 10         15 5182- Part 11         15 5182- Part 11 </td <td></td> <td>Unit</td> <td></td> <td>ра/шз</td> <td>гш/бп</td> <td>ра/шз</td> <td>pg/m3</td> <td>pg/m3</td> <td>Еш/бл</td> <td>тв/т3</td> <td>mg/m3</td> <td>ng/m3</td> <td>pg/m3</td> <td>£m/bu</td> <td>ng/m3</td>		Unit		ра/шз	гш/бп	ра/шз	pg/m3	pg/m3	Еш/бл	тв/т3	mg/m3	ng/m3	pg/m3	£m/bu	ng/m3
NAAQ Standards         Sampling End Date Date         100         60         80         100         400         4         5         i         1         1         20           Sampling Start Date Date Date Date Date Date Date Dat	Sr. No.			IS 5182- Part23	GGMPL/SOP/ AA/60	IS 5182- Part 2	IS 5182- Part 6	1S 5182- Part 9	GGMPL/SOP/ AA/62	1S 5182- Part 10	IS 5182- Part- 11	IS 5182-Part -12	Method 10- 3.4	Method IO-3.4	Method IO-3,4
Sampling Start Date Date 03.04.2023 04.04.2023 07.04.2023 07.04.2023 11.04.2023 58.45 32.91 12.37		NAAQ Standards		100	9	80	80	100	400	4	ın	1	1	20	9
03.04.2023     04.04.2023     67.38     36.66     13.92       06.04.2023     07.04.2023     63.45     32.91     12.37       10.04.2023     11.04.2023     66.82     35.83     15.25		Sampling Start Date	Sampling End Date												
06.04.2023     07.04.2023     63.45     32.91     12.37       10.04.2023     11.04.2023     66.82     35.83     15.25	.1	03.04.2023	04.04.2023	67,38	36.66	13.92	21.36		4		5		2	1	4
10.04.2023 11.04.2023 66.82 35.83 15.25	2	06.04.2023	07.04.2023	63.45	32.91	12.37	23.29		7		7.		×		4
	m	10,04,2023	11.04.2023	66.82	35.83	15,25	24.05							,	4

Page No 1 of 2



BQL (QL=1)	0	•		•	
BQL (QL=5)			i	,	
BQL (QL=0.001)		,			
BQL (QL=0.5)	•	v		i.	
BQL (QL=2.5)	0	k			
0.22	•	ŕ			
12.60	S.		1		
14.97		+			
21.27	24.21	21.52	22.03	20.25	21.48
15.92	14.40	13.15	12.80	14.13	13,99
32.49	34.16	33.33	31.66	33.33	33.43
65,55	67.31	99.59	63.11	66.07	64.98
14.04.2023	18.04.2023	21.04.2023	25.04.2023	28.04.2023	AVERAGE
13.04.2023	17.04.2023	20.04.2023	24.04.2023	27.04.2023	
vi	·s'	6.	7.	85	





Analysis By

SLry-H K-13Shiyal Kishor

Approved By

Pankil Patel

END

### Ambient Noise Report



Reporting Date:-02.05.2023

### AMBIENT NOISE MONITORING REPORT

Company Name		ie	Kutch Copper Limited			
	0	n Site 24	Hourly M	Ionitoring Result	s	
Sample Typ	e			Ambient Noise Monitoring	1	
Location				Shiracha Village		
Sampling Date				10.04.2023		
Sampling Instrument Sound Lev		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	





Reporting Date:-02.05.2023

### AMBIENT NOISE MONITORING REPORT

Company Name		Kutch Copper Limited			
	0	n Site 24	Hourly N	Monitoring Result	s
Sample Typ	e e			Ambient Noise Monitoring	9
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

Approved By
Pankil Patel

SECHANGE STORY



Reporting Date:-02.05.2023

### AMBIENT NOISE MONITORING REPORT

Company Name		ie	Kutch Copper Limited			
	o	n Site 24	Hourly N	Monitoring Result	s	
Sample Typ	oe .			Ambient Noise Monitoring	1	
Location			Zarapara Village			
Sampling D	ate			06.04.2023		
Sampling Instrument Sound		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

Company Name		ie	Kutch Copper Limited			
	o	n Site 24	Hourly N	Monitoring Result	s	
Sample Typ	oe .			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	

END.

Analysis By

Shiyal Kishor

Approved By

Pankil Patel



Reporting Date:-02.05.2023

Comp	any Nam	e	Kutch	Copper Limit	ed
	0	n Site 24	Hourly N	Monitoring Result	s
Sample Typ	e			Ambient Noise Monitoring	3
Location			Moti Bhujpar Village		
Sampling D	ate			03.04.2023	
Sampling In	nstrument	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

Comp	any Nam	ie	Kutch	Copper Limit	ed
	o	n Site 24	Hourly N	Monitoring Result	s
Sample Typ	oe .			Ambient Noise Monitoring	)
Location				Moti Bhujpar Village	
Sampling D	ate			03.04.2023	
Sampling Ir	nstrument	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

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END...

Shiyal Kishor

Pankil Patel



Reporting Date:-02.05.2023

Comp	any Nam	ie	Kutch Copper Limited					
	o	n Site 24	Hourly N	onitoring Result	s			
Sample Typ	oe .			Ambient Noise Monitoring	1			
Location				Mota Kundagara Village				
Sampling D	ate			13.04.2023				
Sampling Ir	nstrument	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) Leg	IS 9989	75			





Reporting Date:-02.05.2023

## AMBIENT NOISE MONITORING REPORT

Comp	any Nam	ie	Kutch	Copper Limit	ed
	C	n Site 24	Hourly N	Monitoring Result	s
Sample Typ	oe .			Ambient Noise Monitoring	)
Location			Mota Kundagra Village		
Sampling D	ate			13.04.2023	
Sampling Ir	nstrument	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

Shiyu K'B'

Shiyal Kishor

Approved By Pankil Patel

END...



Reporting Date:-02.05.2023

Comp	any Nam	ie	Kutch	Copper Limit	ed
	o	n Site 24	Hourly M	Ionitoring Result	s
Sample Typ	ne e			Ambient Noise Monitoring	1
Location				Shiracha Village	
Sampling D	ate			20.04.2023	
Sampling Ir	nstrument	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

Comp	any Nam	ie	Kutch	Copper Limit	ed	
	0	n Site 24	Hourly N	onitoring Result	5	
Sample Typ	е			Ambient Noise Monitoring	)	
Location				Shiracha Village		
Sampling D	ate			20.04.2023		
Sampling In	nstrument	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 Swide ドル Shiyal Kishor END

Approved By P. Pankil Patel



Reporting Date:-02.05.2023

Comp	any Nam	ie	Kutch	Copper Limit	ed
	0	n Site 24	Hourly N	onitoring Result	s
Sample Typ	ie		Ambient Noise Monitoring	)	
Location			Zarapara Village		
Sampling D	ate			17.04.2023	-
Sampling Ir	strument	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

Comp	any Nam	ie	Kutch	Copper Limit	ed
	O	n Site 24	Hourly N	Ionitoring Result	s
Sample Typ	oe e			Ambient Noise Monitoring	)
Location				Zarapara Village	
Sampling D	ate			17.04.2023	
Sampling In	nstrument	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

CHAN

END ..

Analysis By

Shiyal Kishor

Approved By Pankil Patel 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

## 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	
5.	Ground Water Reports	06
6.	Soil Report	04
0.	Joil Report	01

Thanks and Regards

2

For Go Green Mechanisms Pvt Ltd



## Ground Water Report



Reporting Date: - 05.06.2023

## WATER ANALYSIS REPORT

Co	mpany	Nam	e Kutch	Copper	Limited				
Samp	le Type	Ground V	Vater						
Samp	le Quantity	3.5 L							
Date (	of Sampling	11.05.2023							
Analy:	sis Period	13.05.20	23 - 17.05.2023						
E				Loc	ation			IS 105	00:2012
SI. No.	Parameter	Unit	Shiracha Viilage	Zarpara Viliage	MotiBhujpar Village	MotaKanda gra Viliage	Test Method	AL	PL
1.	рН@25 °С	Ε	7,48	7.68	7.50	7.70	IS 3025-Part11	6.5-8.5	No relaxation
2.	Turbidity	עדא	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 CaCO3	mg/L	104.0	164.0	340.0	257.0	APHAZ3rd Edn(2340 C)	200	600
5.	Alkalinity as CaCO3	mg/L	71.00	129.00	259.00	239.00	APHA23rd Edin (22308)	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 (4500SO₁E)	200	400
9.	Nitrate	mg/L	0.96	BQL(QL=0.5)	2,12	1.16	APHA23rdEdn (4500NO <sub>2</sub> 8)	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 Cr6+	mg/L	BQL (QL=0.01)	BQL (QL=0.01)	BQL (QL=0.01)	8QL (QL=0.01)	APHA 23rdEdri (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	12.39	17.50	20.41	24.79	APHA23rdEdn (3500MgB)	30	100
15.	Residual Chlorine	mg/L	BQL (QL=0,05)	8QL (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	1-0	Agreeable	Agreeable	Agreeable	Agreeable	1S 3025 - Part 5	Agreeable	Agreeable
15:	Temperature	¹C	27.2	28.7	27.5	27.9	APHA23rdEdn (2550B)	NS	NS.
19.	Taste		Agresable	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	D.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 (AI)	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	9,05
24.	Boron (B)	mg/L	BQL (QL=0.05)	BQL (QL=0.05)	BQL (QL=0.05)	BQL (QL=0.05)	APHA23rdEdm (3120 B)	0.5	1.0
25.	Cadmium (Cd)	rng/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)	8QL (QL=0.02)	BQL (QL=0.02)	APHA23rdEdn (3120 B)	0.05	1.5
27.	Lead (Pb)	rng/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	rng/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	1S 1622	-8	Absent

BQL - Below Quantification Limit

Analysis By

Shijuk B.

Shiyal Kishor



Approved By
Pankil Patel

END.

## Soil Report



Reporting Date:-05.06.2023

## **SOIL ANALYSIS REPORT**

Con	npany Name	Kutch Cop	per Limited	
Sample T	уре	Sail		
Sample Q	Quantity	2 kg		
Date of S	ampling	11.05.2023		
Analysis F	Period	13.05.2023-17.05.2023		
			A SAME	Location
SI. No.	Parameter	Unit	Test Method	Shiracha Village
1.	Molybdenum	mg/kg	USEPA Method 3051A	2.4390
2.	Calcium as Ca	%	USEPA Method 3051A	0.2040
3,	Magnesium as Mg	96	USEPA Method 3051A	0.1744
4.	Zinc as Zn	%	USEPA Method 3051A	0.0009
5.	Manganese as Mn	96	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	96	USEPA Method 3051A	0.0064
9.	Chloride as Cl	96	USEPA Method 3051A	0.0359
10.	Nitrogen as N	96	USEPA Method 3051A	0.0192





11.	Soluble Sulphate	96	15 2720- Part 27	0.0036
12.	Phosphorus as P	%	USEPA Method 3051A	0.0006

BQL - Below Quantification Limit

	Analysis By	(8)	Approved By
	Shidulk B. Shiyal Kishor		Pankii Patel
***		END	***************************************

## Ambient Air Report



Reporting Date: -05.06,2023

# AMBIENT AIR QUALITY ANALYSIS REPORT

S	Company Name	ame	Kutc	Kutch Copper Limited	er Li	mite	7							
				On	On Site 24	Hour	ly Mon	Hourly Monitoring Results	esults					
San	Sample Type		AMBI	AMBIENT AIR QUALITY MONITORING	QUAL	TY MC	ONITO	SING						
Loc	Location Name		Moti B	Moti Bhujpar Village	/illage									
	Parameters		PM (<10)	PM (<2.5)	SO	NO	6	NHs	8	Вептеле	ВФР	НЬ	ž	As
	Unit		ьт/вн	Em/Brl	рш/шз	Em/pu	ра/шз	Еш/Бп	mg/m3	Еш/Бп	Em/Bu	£m/6d	ng/m3	ng/m3
Sr. No.	Test Method		TS 5182- Part23	GGMPL/SOP/ AA/60	1S 5182- Part 2	IS 5182- Part 6	IS 5182- Part 9	GGMPL/SOP/ AA/62	IS 5182- Part 10	15 5182- Part- 11	IS 5182-Part -12	Method IG- 3.4	Method IO-3.4	Method IO-3.4
	NAAQ Standards		100	09	80	80	100	400	*	s,	1	1	20	9
	Sampling Start Date	Sanpling End Date												
4,	01.05.2023	02.05.2023	63.97	34,58	13.36	20.03	3	Y	E	r		1	90	(i)
2.	04.05.2023	05.05.2023	92'99	35.41	14.27	22.38	à.	·	j.	i	· ·	ā	ī	,
é	08.05.2023	09.05.2023	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)
						The same	P. Linking							

Page No 1 of 2



4	11.05,2023	12.05,2023	62'29	36.66	14.59	22.03	÷		ı	6		4.	,	
Š	15.05.2023	16.05.2023	69.92	37.49	15.28	23,46	· i	7		ī	i	-12	1	7
.9	18,05,2023	19.05.2023	66.57	35,83	13.71	22.38	ř.			+		di.	i	Y
7.	22.05.2023	23.05.2023	56'89	36.24	14.61	23.15		,	1-			1, 1,61		1.3
. 8	25.05.2023	26.05,2023	64.79	34.58	13.49	20.86			*		,	1		1
6	29.05,2023	30.05.2023	67.88	35.41	14,48	22.61								
		AVERAGE	95'99	35.55	14,12	21.98	0	•	¥	×	71	à.		· ·



Analysis By Shiyal Kishor Shiyal Kishor

Approved By

Pankil Patel

END.

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Reporting Date: - 05.06.2023

# AMBIENT AIR QUALITY ANALYSIS REPORT

Shipping State   Sampling State   Samp	ပိ	Company Name	ame	Kutc	Kutch Copper Limited	er Li	mite	7							
Hole Type         AMBIENT AIR QUALITY MONITORING         Apple Type           Highrane Liston Name         Zarapara VIIIaa         Apple Type         NHH					Ou	Site 24		ly Mon	itoring R	esults					
Handling Stant States         Sampling End Date         14.50 N Name (2.5.)         SCA         NO.9         O.9         NH h (2.5.)         NH (4.2.5.)         SCA NO.9         O.9         NH h (2.5.)         NH (4.2.5.)         NH	San	nple Type		AMBI	ENT AIR	QUAL	ITY MC	ONITO	SING						
Pairameters   PM (<10)   PM (<2.5)   SO <sub>2</sub>   NO <sub>3</sub>   O <sub>3</sub>   NH <sub>1</sub>   CO   Benzene   B@P   PD   NH	Loc	ation Name		Zarap	ara Villa	ge									
Unit         Lig/m3         Lig/m3 <td></td> <td>Parameters</td> <td></td> <td>PM (&lt;10)</td> <td>PM (&lt;2.5)</td> <td>80%</td> <td>NOs</td> <td>ő</td> <td>NH3</td> <td>8</td> <td>Вепzеле</td> <td>ВФР</td> <td>Pb</td> <td>Z</td> <td>As</td>		Parameters		PM (<10)	PM (<2.5)	80%	NOs	ő	NH3	8	Вепzеле	ВФР	Pb	Z	As
Trest Method         15 5182- Part 2 Part 5 Part 5 Part 5 Part 9 Part 9 Part 9 Part 9 Part 9 Part 10 Part 11 Part		Unit		tm/gq	уд/т3	tm/gri	£m/Brt	гш/бл	£m/6rl	та/тз	гш/бп	ng/m3	pg/m3	Em/gn	ng/m3
NAAQ Sandards         100         60         80         100         400         4         5         1         1         1         20           Sampling Start Date         Sampling Start Date         35.83         15.56         24.16         -         <	Sr. No.			IS 5182- Part23	GGMPL/SOP/ AA/60	IS 5182- Part 2	15 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         Sampling End Date         Sampling End Date           04.05.2023         02.05.2023         69.08         37.49         15.56         24.16         -		NAAQ Standards		100	09	80	80	100	400	4	is	1	1	20	9
04.05.2023 02.05.2023 69.08 37.49 15.56 24.16		Sampling Start. Date	Sampling End Date												
04.05.2023 05.05.2023 66.10 35.83 14.53 23.15	÷	01.05,2023	02,05,2023	80.69	37.49	15.56	24.16	y-	į.	6		i.	Ļ		á
08.05.2023 09.05.2023 62.02 32.08 12.93 21.87 17.99 15.67 0.40 8QL BQL BQL BQL BQL BQL BQL BQL BQL BQL B	2	04.05.2023	05.05.2023	66.10	35.83	14,53	23.15	X	T	7	£		ě		4
	m	08.05.2023	09,05,2023	62.02	32.08	12.93	21.87	17.99	15.67	0.40	8QL (QL=2.5)	8QL (QL=0.5)	BQL (QL=0.001)	8QL (QL=5)	BQL (QL=1)



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	1													
11.05.2023 12.0	12.	12.05.2023	92'59	35,41	14.15	22,89	*	*	r	141	4			
15.05.2023 16.	16.	16.05.2023	68.16	38.74	15.47	23.91	,	1	1	1	1	1		1
18.05.2023	19.	19.05.2023	64,38	34,99	13,79	22.61	y.	,	1	j	1	ī	1	1
22.05,2023 23.0	23.	23.05.2023	67.88	36.66	15.37	23.75				×				,
25.05.2023 26.0	26.0	26.05.2023	65.02	35.41	13.93	22,89	4	,	4	9				
29,05,2023 30,	30.	30,05,2023	62.21	33.74	13,40	22.03								
		AVERAGE	65.63	35.59	14,35	23.03	,	2	a.				*	ii.
							-							

SHYJH KISHOF

Approved By

Pankil Patel

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Reporting Date: - 05.06.2023

# AMBIENT AIR QUALITY ANALYSIS REPORT

ပိ	Company Name	ame	Kutc	Kutch Copper Limited	er Li	mite	7							
				Ou	Site 24	Hour	ly Mon	On Site 24 Hourly Monitoring Results	esults					
San	Sample Type		AMBI	AMBIENT AIR QUALITY MONITORING	QUAL	TY MC	ONITOR	SING						
Loc	Location Name		Shirac	Shiracha Village	a e									
	Parameters		PM (<10)	PM (<2.5)	ő	NOy	6	NHs	8	Benzene	8@p	Pb	Z	As
	Unit		ра/шз	tid/m3	hg/m3	ра/шз	hg/m3	£m/6rl	mg/m3	ра/ш3	£m/gn	£m/6rl	ng/m3	ng/m3
Sr, No.	Test Method		IS 5182- Part23	GGMPL/SOP/ AA/60	15 5182- Part 2	IS 5182- Part 6	15 5182- Part 9	GGMPL/SOP/ AA/62	15 5182- Part 10	IS 5182- Part- 11	IS 5182-Part -12	Method 10- 3,4	Method 10-3.4	Method 10-3.4
	NAAQ Standards		100	9	80	80	100	400	4	Vi	1	T	20	9
	Sampling Start Date	Sampling End Date												
H	01.05.2023	02.05.2023	69.74	37,49	16,01	24.61		V	4		4	2		
2	04.05.2023	05.04.2023	64.86	34.99	14.83	23.18		9	N.	-1	,	, , ,	F.	х
m	08.05.2023	09,05,2023	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)
						1	1							

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4,         11.052.023         12.052.023         62.98         34.58         14.02         21.87         -	T														
15.05.2023         16.05.2023         65.77         35.83         15.47         22.89         —	4	11.05.2023	12.05.2023	62.98	34.58	14,02	21.87	0		,ch		4	4	4	9.
18,05,2023         19,05,2023         61,48         33,33         13,70         21,75         —		15.05.2023	16.05.2023	65.77	35.83	15.47	22.89	r	1		1.	1	4	ń	+
22.05.2023         23.05.2023         64.69         35.41         14.71         22.64         -	1	18,05.2023	19.05.2023	61.48	33.33	13.70	21.75	L	1	1	1	P	1	1-	Y.
26.05.2023         67.76         36.24         15.28         24.32         - </td <td></td> <td>22.05.2023</td> <td>23.05.2023</td> <td>64.69</td> <td>35.41</td> <td>14.71</td> <td>22.64</td> <td>•</td> <td>4</td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td>0-</td>		22.05.2023	23.05.2023	64.69	35.41	14.71	22.64	•	4					1	0-
30.05.2023 70.67 37.91 16.06 25.43		25.05.2023	26.05.2023	92.79	36,24	15,28	24.32			J.		7		3.	
66.27 35.87 15.08 23.54		29.05.2023	30.05.2023	79.07	37.91	16.06	25.43								
			AVERAGE	66.27	35.87	15.08	23,54	4	×				*		7



Approved By

Pankil Patel

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Reporting Date: - 05.06.2023

## AMBIENT AIR QUALITY ANALYSIS REPORT

Sample Type   AMBIENT AIR QUALITY Monitoring Results   Ambient Air	S	Company Name	ame	Kutc	Kutch Copper Limited	er Li	mite	P							
Parameters   AMBIENT AIR QUALITY MONITORING   Parameters   Parameters   Parameters   Parameters   Parameters   Parameters   Parameters   Parameters   Parameters   Part (-1.0)   Part (-2.5)   SO, NO; O; NH; CO   Benzene   B@P   Pb   NH   NH; CO   Benzene   B@P   Pb   NH   NH; CO   Part (-1.0)					Ou	Site 24	Hour	ly Mon	itoring R	esults					
Parameters         Moka Kandagra VIIIage         No.         O,         NHt         CO         Benzene         BgaP         Ph         NII           Unit         Unit         Linet         CO         NGA, Sandards         Lig/m3	San	nple Type		AMBI	ENT AIR	QUAL	LTY M	ONITO	RING						
Parameters   PM (<10)   PM (<2.5)   SO;   NO;   O;   NHt;   CO   Bentzene   B@P   Pb   Ni   Ni   Unit   U	Loc	ation Name		Mota	Kandagr	a Villa	ge								
Unit         Hg/m3		Parameters		PM (<10)	PM (<2.5)	SO	NO <sub>2</sub>	0	NHz	8	Benzene	8@P	da	N	As
Test Method  NAAQ Standards  NAAQ Standards  NAAQ Standards  NAAQ Standards  Sampling Start  Date  01.05.2023  02.05.2023  08.05.2023		Unit		ра/шз	ра/шз	£m/6rt	hg/m3	pg/m3	ug/m3	mg/m3	pā/m3	ng/m3	ing/m3	ng/m3	пд/т3
NAAQ Standards         100         60         80         100         400         4         5         1         1         1         20           Sampling Start Date         Sampling Start Date         Sampling Start Date         15.62         25.18         -	Sr. No.			1S 5182- Part23	GGMPL/SOP/ AA/60	IS 5182- Part 2	15 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 10-3.4	Method IO-3.4
Sampling Start         Sampling End Date         36.66         15.62         25.18         -		NAAQ Standards		100	09	80	80	100	400	4	5	1	1	20	9
01.05.2023 02.05.2023 69.98 36.66 15.62 25.18		Sampling Start Date	Sampling End Date												
04.05.2023 05.05.2023 64.76 34.16 14.22 20.60	1,	01.05.2023	02.05.2023	69.98	36.66	15,62	25.18	· k	X.	Y	1.5	ii.	ů.		1
08.05.2023 09.05.2023 68.62 35.83 15.38 24.16 14.83 17.51 0.29 8QL BQL BQL BQL BQL CQL=5.5 (QL=0.001) (QL=5)	2.	04.05.2023	05.05.2023	94.76	34.16	14.22	20.60	ï	ı	Y	1	1		(A)	0
	6	08.05.2023	09.05.2023	68,62	35,83	15.38	24.16	14.83	17.51	0.29	BQL (QL=2.5)	(5°C=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)



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1														
11	11.05.2023	12.05.2023	65.21	34.58	12.97	21.87	4	ı			40		4	
15.	15.05.2023	16.05.2023	69.20	36.24	15.48	24.89	ı	i	-	-(	),	y	Y.	,
18	18.05.2023	19,05,2023	96.36	34,99	14,61	23.15	1	1	-1	I	ī	1	1	t
22	22.05.2023	23.05.2023	63.86	34.16	13.75	22.32			×		4			+
25	25.05.2023	26.05.2023	68,09	35.83	15.02	24.42		- 0		3		4	d	,
52	29.05.2023	30.05.2023	64,44	33.74	13,22	21.61								
		AVERAGE	66.72	35.13	14.47	23.14	*			4	7	. 2	,	



Approved By

Pankil Patel

END

Page No 2 of 2

## Ambient Noise Report



Reporting Date:-05.06.2023

Comp	any Nam	ie	Kutch	Copper Limit	ed
	0	n Site 24	Hourly N	Monitoring Result	s
Sample Typ	DE .			Ambient Noise Monitoring	
Location				Moti Bhujpar Village	
Sampling D	ate			01.05.2023	
Sampling In	nstrument	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

Company Name			Kutch	Copper Limit	ed
	o	n Site 24	Hourly N	onitoring Result	s
Sample Typ	oe .	_		Ambient Noise Monitoring	)
Location				Moti Bhujpar Village	
Sampling D	ate			01.05.2023	
Sampling Ir	nstrument	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

Shituk B.

Approved By



Reporting Date:-05.06.2023

Company Name			Kutch	Copper Limit	ed
	0	n Site 24	Hourly N	Monitoring Result	s
Sample Typ	DE S			Ambient Noise Monitoring	1
Location				Zarapara Village	
Sampling D	ate			04.05.2023	
Sampling Ir	nstrument	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
I.	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	15 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





Reporting Date:-05.06.2023

## AMBIENT NOISE MONITORING REPORT

Company Name			Kutch	Copper Limit	ed
	0	n Site 24	Hourly N	Monitoring Result	s
Sample Typ	е			Ambient Noise Monitoring	3
Location				Zarapara Village	
Sampling D	ate			04.05.2023	
Sampling Ir	strument	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		Leg (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

Analysis By Shiyal Kishor

Approved By Pankil Patel

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Reporting Date:-05.06.2023

Company Name		ie	Kutch	Copper Limited			
	o	n Site 24	Hourly N	Monitoring Result	s		
Sample Typ	ne e			Ambient Noise Monitoring	)		
Location				Shiracha Village			
Sampling D	ate			08.05.2023			
Sampling Ir	nstrument	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		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	15 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) Leg	15 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

Company Name		Kutch Copper Limited			
	0	n Site 24	Hourly N	Monitoring Result	s
Sample Typ	ne e			Ambient Noise Monitoring	)
Location				Shiracha Village	
Sampling D	ate			08.05.2023	
Sampling Ir	strument	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		Leg (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) Leg	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
Shiyuk B.
Shiyal Kishor

Approved By Pankil Patel

....END ....



Reporting Date:-05.06.2023

Company Name		e	Kutch	Copper Limit	ed
	0	n Site 24	Hourly N	Monitoring Result	s
Sample Typ	oe .			Ambient Noise Monitoring	)
Location				Mota Kandagara Village	
Sampling D	ate			11.05.2023	
Sampling Ir	strument	Sound Level	Meter	Ldn	52.6
Lmax (Day)		59.3		Lmax (Night)	49.9
Lmin (Day) 44.7		44.7		Lmin (Night)	42.6
Leq (Day) 54.1		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





Reporting Date:-05.06.2023

## AMBIENT NOISE MONITORING REPORT

Company Name		ie	Kutch	n Copper Limited		
	0	n Site 24	Hourly M	Monitoring Result	5	
Sample Typ	oe .			Ambient Noise Monitoring	]	
Location				Mota Kandagra Village		
Sampling D	ate		11.05.2023			
Sampling Ir	strument	Sound Level	Meter	Ldn	52.6	
Lmax (Day)		59.3		Lmax (Night)	49.9	
Lmin (Day) 44		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 Shiyed levB-Shiyal Kishor Approved By Pankil Patel

END.,



Reporting Date:-05.06.2023

Company Name			Kutch	Copper Limit	ed
	0	n Site 24	Hourly M	Monitoring Result	s
Sample Typ	e			Ambient Noise Monitoring	)
Location				Moti Bhujpar Village	
Sampling D	ațe			15.05.2023	
Sampling In	strument	Sound Level	Meter	Ldn	52.4
Lmax (Day)	Y	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

Comp	any Nam	ie	Kutch	Copper Limit	ed	
	0	n Site 24	Hourly N	Monitoring Result	s	
Sample Typ	e			Ambient Noise Monitoring	9	
Location				Moti Bhujpar Village		
Sampling D	ate			15.05.2023		
Sampling In	strument	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	
421					70	

Shidey E.B.
Shival Kishor

Approved By

Pankil Patel

END ...



Reporting Date:-05.06.2023

Comp	any Nam	ie	Kutch	Copper Limit	ed
	0	n Site 24	Hourly N	Monitoring Result	5
Sample Typ	e			Ambient Noise Monitoring	1
Location				Mota Kandagara Village	
Sampling D	ate			18.05.2023	
Sampling Ir	strument	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





Reporting Date:-05.06.2023

### AMBIENT NOISE MONITORING REPORT

Comp	any Nam	ie	Kutch	Copper Limit	ed
	0	n Site 24	Hourly N	Monitoring Result	5
Sample Typ	e			Ambient Noise Monitoring	1
Location				Mota Kandagara Village	
Sampling D	ate			18.05.2023	
Sampling In	strument	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

Approved By Pankil Patel

.END.

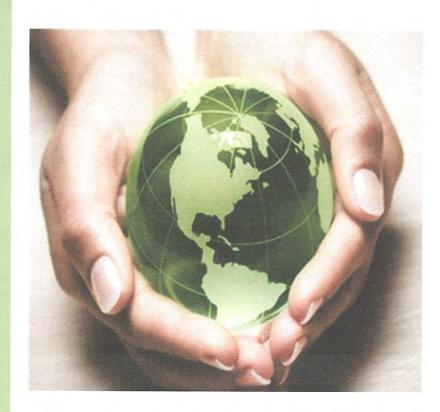
**Report Issued to:** 

### **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

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
1.	Ambient Air Reports	Reports/Samples
3.	Ambient Noise Reports	32
5.		06
٥.	Ground Water Reports	04
6.	Soil Report	01

Thanks and Regards

For Go Green Mechanisms Pvt Ltd



### Ground Water Report



Reporting Date: - 06.07.2023

### WATER ANALYSIS REPORT

C	ompany	Nam	ne Kuto	ch Coppe	r Limite	d			
San	nple Type	Ground	Water						
San	ple Quantity	3.5 L							
Date	e of Sampling	12.06.20	023						
Ana	lysis Period	13.06.20	023 - 19.06.2023						
SI.				L	ocation			IS 10	500:2012
No.	Parameter	Unit	Shiracha Village	Zarpara Village	MotiBhujpar Village	MotaKanda gra Village	Test Method	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 CaCO3	mg/L	120.0	183.0	366.0	273.0	APHA23rd Edn(2340 C)	200	600
5.	Alkalinity as CaCO3	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
3.	Sulphate	mg/L	29.52	92.73	140.21	95.16	APHA23rdEdn (4500SO <sub>4</sub> E)	200	400
).	Nitrate	mg/L	1,02	BQL(QL=0.5)	1.91	1.40	APHA23rdEdn (4500NO₃B)	45	No relaxation
0.	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
1.	Fluoride	mg/L	BQL (QL=0.1)	0.29	0.35	0.25	APHA 23rdEdn (4500 F D)	1	1.5
2.	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 CI 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
10.	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



Approved By

Pankil Patel

### Ambient Air Report



Reporting Date: - 06.07.2023

# AMBIENT AIR QUALITY ANALYSIS REPORT

AMBIENT AIR QUALITY MONITORING   Bage   Ba	S	Company Name	ame	Kutc	Kutch Copper Lim	er Li	mited	7							
Parameters   Mota Kandagra Village   Parameters   Param					On S	ite 24	Hour	ly Mor	nitoring	g Resu	ılts				
Pation Name         Mota Kandagra Village         No.         O <sub>0</sub> NHb         CO         Benzene         B@P         Pb         Ni           Unit         Unit         pb/ (<10)         pb/ (<2.5)         SO,         NO,         O <sub>0</sub> NHb         CO         Benzene         B@P         Pb         Ni           Unit         pb/ (<10)         pb/ (<2.5)         SO,         NO,         Co         NHb         CO         Benzene         B@P         Pb         Ni           Unit         pg/m3	San	ple Type		AMBII	ENT AIR	QUAL	TTY MC	ONITO	RING						
Parameters   PM (<10)   PM (<2.5)   SO <sub>2</sub>   NO <sub>3</sub>   O <sub>3</sub>   NH <sub>3</sub>   CO   Benzene   B@p   Pb   Ni	Loc	ation Name		Mota	Kandagra	Villa	ge								
Unit         Lig/m3         lig/m3 <td></td> <td>Parameters</td> <td></td> <td>PM (&lt;10)</td> <td>PM (&lt;2.5)</td> <td>SO<sub>2</sub></td> <td>NO<sub>2</sub></td> <td>Õ</td> <td>NH<sub>3</sub></td> <td>8</td> <td>Benzene</td> <td>ВФР</td> <td>Pb</td> <td>Z</td> <td>As</td>		Parameters		PM (<10)	PM (<2.5)	SO <sub>2</sub>	NO <sub>2</sub>	Õ	NH <sub>3</sub>	8	Benzene	ВФР	Pb	Z	As
Test Method  Test		Unit		pg/m3	гш/вп	m/grl	m/grd	гш/вн	Em/brl	mg/m3	ng/m3	ng/m3	hg/m3	ng/m3	ng/m3
NAAQ Standards         100         60         80         80         100         400         4         5         1         1         20           Sampling Start Date Date Date Of Co. Co. 2023         69.53         36.24         14.92         25.13         -	Sr. No.			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       Sampling End Date       Sampling Start       Sampling End Date         01.06.2023       02.06.2023       69.53       36.24       14.92       25.13       -		NAAQ Standards		100	09	80	80	100	400	4	7.	н	T	20	9
01.06.2023         02.06.2023         69.53         36.24         14.92         25.13         -		Sampling Start Date	Sampling End Date												
06.06.2023     07.06.2023     66.42     34.58     13.94     23.75     -     -     -     -     -       08.06.2023     61.27     31.66     13.04     22.83     -     -     -     -     -	1.	01.06.2023	02.06.2023	69.53	36.24	14.92	25.13	,	ı	1	1	ı	1	1	1
08.06.2023 09.06.2023 61.27 31.66 13.04 22.83 - AEGRAM	2.	06.06.2023	07.06.2023	66.42	34.58	13.94	23.75	i	ı	ı	,	ı	-1	1	i.
	3,	08.06,2023	09,06.2023	61.27	31.66	13.04	22.83		REGILAN		L	-1	ī		1

age No 1 of 2



i i	BQL (QL=1)	1		1	l
i	BQL (QL=5)	ı	1	1	12
,	BQL (QL=0.001)	1	1	1	t
	BQL (QL=0.5)	т	ž.		1
i	BQL (QL=2.5)	ı	1	-1	1
i	0.27	,	1	t	1
1	16.67		ı	1	ı
1	13.99	ī.	ı	ı	i
22.92	23.75	22.34	20.99	24.03	22.65
13,98	14.88	13.62	12.06	11.70	13.52
34.16	36.24	32.08	31.24	32.49	33.59
65.64	69.50	64.26	60.44	59.81	64.61
13.06.2023	20.06.2023	23.06.2023	27.06.2023	30.06.2023	AVERAGE
12.06.2023	19.06.2023	22.06.2023	26.06.2023	29.06.2023	
4.	5.		7.	8.	

Analysis By
Shiyal Kishor

Approved By

Pankil Patel

END

Page No 2 of 2



Reporting Date: - 06.07.2023

# **AMBIENT AIR QUALITY ANALYSIS REPORT**

Share   Shar	00	Company Name	ame	Kutc	Kutch Copper Limited	ber Li	mite	0						The state of the s	
AMBIENT AIR QUALITY MONITORING   Shizameters   Shizamete					On	Site 24	Hour	y Mon	itoring	Resu	Its				
Parlameters         PM (<2.15)	San	ple Type		AMBI	ENT AIR	QUAL	ITY MC	ONITO	RING				Personnel Association and Asso		
Parameters   Parameters   PM (<10)   PM (<2.55)   SO <sub>2</sub>   NO <sub>2</sub>   O <sub>3</sub>   NH <sub>3</sub>   CO   Benzene   B@P   Pb   NI   NI   Unit   By/m3   µg/m3   µg/m3	Loc	ation Name		Shirac	sha Villa	ge									
Unit         Lighm3         Lighm3 <td></td> <td>Parameters</td> <td></td> <td>PM (&lt;10)</td> <td>PM (&lt;2.5)</td> <td>202</td> <td>NO2</td> <td>°°</td> <td>NH3</td> <td>8</td> <td>Benzene</td> <td>B@P</td> <td>Pb</td> <td>Z</td> <td>As</td>		Parameters		PM (<10)	PM (<2.5)	202	NO2	°°	NH3	8	Benzene	B@P	Pb	Z	As
Test Method  Test		Unit		pg/m3	m/grl	mg/m3	pd/m3	µg/m3	pg/m3	mg/m3	pg/m3	ng/m3	pg/m3	ng/m3	ng/m3
NAAQ Standards         Sampling End Date         100         60         80         80         100         400         4         5         1         1         20           Sampling Start Date         Sampling End Date         33.74         13.40         22.37         -	Sr. No.			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-	IS 5182-Part - 12	Method IO-3.4	Method IO-3,4	Method IO-3,4
Sampling Start Sampling End Date Date Date Date 01.06.2023 02.06.2023 05.06.2023 05.06.2023 06.06.2023 06.06.2023 06.06.2023 06.06.2023 06.06.2023 06.06.2023 06.06.2023		NAAQ Standards		100	09	80	80	100	400	4	52	П		20	9
01.06.2023         02.06.2023         65.32         33.74         13.40         22.37         -		Sampling Start Date	Sampling End Date												
06.06.2023         07.06.2023         61.09         31.66         12.59         20.13         -	1.	01.06,2023	02.06.2023	65.32	33.74	13.40	22.37	-1	,				,	1	1
08.06.2023 66.18 34.58 13.67 22.83 <u></u>	2.	06.06.2023	07.06.2023	61.09	31.66	12.59	20.13	1		ı	I	I	1	I	1
	3.	08.06.2023	09.06.2023	66.18	34.58	13.67	22.83	A REGIL	AMI	t	1	1	f	2	3

Page No 1 of 2



.33	31.24	12.78	20,99	1	ı	i	T		ı	ı	1
34.16 13.85	13.85		21.60	15.26	13.65	0.32	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)
35.83 15.01	15.01		22.09	1	1	I	1	ı		Name of the Control o	100
33.33 13.71	13.71		20.71	1	i.	1	ı	1	£	ľ	ı
30.41 14.65	14.65		21.85	1	1	1	ı	ı	1	1	1
33.12 13.71	13.71		21.57	ľ	i.	T.	-1	-1	1	ı	1

Shiyal Kishor

Analysis By

Approved By

Pankil Patel

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Reporting Date: - 06.07.2023

# **AMBIENT AIR QUALITY ANALYSIS REPORT**

00	Company Name	ame	Kutc	Kutch Copper Lim	er Li	mited	D							
				On 9	On Site 24 H	Hour	y Mon	lourly Monitoring Results	esults					
San	Sample Type		AMBI	AMBIENT AIR QUALITY MONITORING	QUAL	TY MC	ONITO	SING						
Loci	Location Name		Zarap	Zarapara Village	je									
	Parameters		PM (<10)	PM (<2.5)	SO <sub>2</sub>	NO <sub>2</sub>	O <sup>3</sup>	NH <sub>3</sub>	8	Benzene	В@Р	Pb	ï	As
	Unit		mg/m3	£m/grl	m/grd	pg/m3	m/grl	pg/m3	mg/m3	£m/grl	ng/m3	гш/вп	ng/m3	ng/m3
Sr. No.	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	09	80	80	100	400	4	2	1	H	20	9
	Sampling Start Date	Sampling End Date												
.i	01.06,2023	02.06.2023	65.97	34.16	13.98	22.58	ī			1	1.	1	1	4
2.	06,06,2023	07.06.2023	99.89	36.24	14.44	24.06	1	3	1	ı	1	1	1	1 2
3.	08.06.2023	09,06,2023	59.59	33.74	13,76	22.37				- 1	1	1	1	3
			The second secon			Andrews or the section of the sectio	The state of the s	Control of the contro						

Page 1 of 2



	BQL (QL=1)		and the second s	The state of the s	1
1	BQL (QL=5)	1	t	1	1
1	BQL (QL=0.001)	1	1	3	1
T.	BQL (QL=0.5)	1	L	1	1
1	BQL (QL=2.5)	1.	ı	1	ı
1	0.37		ı	1	
I	14.37		1	ı	
ı	16.85	ı	1	1	•
21.60	23.32	22.65	22.58	21.85	22.63
13.62	14.11	12.99	13.94	13.67	13.81
31.66	34.16	31.66	34.58	32.08	33.53
62.09	64.16	62.44	66.53	61.62	63.72
13.06.2023	20.06.2023	23.06.2023	27.06.2023	30.06.2023	AVERAGE
12.06.2023	19.06.2023	22.06.2023	26.06.2023	29.06.2023	
4.	5.	.9	7.	8.	

Shiyal Kishor

Analysis By

Approved By

Pankil Patel

END

Page 2 of 2



Reporting Date: -06.07.2023

# **AMBIENT AIR QUALITY ANALYSIS REPORT**

Sample Type   AMBIENT AIR QUALITY Monitoring Results   AMBIENT AIR QUALITY MONITORING   Amazelian Name   Ambien	0	Company Name	ame	Kutc	Kutch Copper Lim	er Li	mited	70							
Parameters   Moti Bhujpar Village					On	Site 24	Hour	ly Mon	itoring	Resul	s			manufacture of the second seco	
Parameters         Moti Bhujpar VIIIage         No.2         O.3         NH-1         CO         Benzene         B@P         Pb         NI           Unit         Unit         µg/m3         µg/m3 <t< th=""><th>Sam</th><th>nple Type</th><th></th><th>AMBI</th><th>ENT AIR</th><th>QUAL</th><th>1</th><th>ONITOR</th><th>SING</th><th></th><th></th><th></th><th></th><th></th><th></th></t<>	Sam	nple Type		AMBI	ENT AIR	QUAL	1	ONITOR	SING						
Unit         PM (<10)	Loc	ation Name		Moti B	Shujpar V	illage									
Unit         Lighm3         lighm3 <td></td> <td>Parameters</td> <td></td> <td>PM (&lt;10)</td> <td>PM (&lt;2.5)</td> <td>202</td> <td>NO<sub>2</sub></td> <td>O<sup>3</sup></td> <td>NH3</td> <td>8</td> <td>Benzene</td> <td>B@P</td> <td>Pb</td> <td>Ē</td> <td>As</td>		Parameters		PM (<10)	PM (<2.5)	202	NO <sub>2</sub>	O <sup>3</sup>	NH3	8	Benzene	B@P	Pb	Ē	As
Test Method  Test Method  Is 5182-  GGMPL/SOP/  Sampling Start  Sampling Start  Sob.62.2023  Oc.06.2023  Oc.06.202		Unit		pg/m3	pg/m3	hg/m3	mg/m3	£m/grl	ра/ш3	mg/m3	mg/m3	ng/m3	m/grl	ng/m3	ng/m3
NAAQ Standards         Sampling End Date Date         100         60         80         100         400         4         5         1         1         20           Sampling Start Date Date Date Date Date Date Date Dat	Sr. No.			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 Sampling End Date Date Date Date Date Date Date 01.06.2023 02.06.2023 07.06.2023 07.06.2023 08.06.2023 08.06.2023 09.06.2023 09.06.2023 09.06.2023		NAAQ Standards		100	09	80	80	100	400	4	72	1	1	20	9
01.06.2023         02.06.2023         59.55         29.16         12.55         17.92         -		Sampling Start Date	Sampling End Date	The state of the s		100									A communication for the state of the state o
06.06.2023     07.06.2023     62.12     30.83     13.76     20.16     -     -     -     -     -       08.06.2023     63.61     33.74     14.87     22.09     ECHAN     -     -     -     -	Τ,	01.06.2023	02.06.2023	59.55	29.16	12.55	17.92	i				1		ī	1
08.06.2023 63.61 33.74 14.87 22.09	2.	06.06.2023	07.06.2023	62.12	30.83	13.76	20.16	1	1	i.	1.		1	ı	1
	3.	08.06.2023	09.06.2023	63.61	33.74	14.87	22.09	RECHAN		ı			ı	1	I

Page No 1 of 2



1	BQL BQL (QL=1)	1		1	1
1	BQL (QL=0.001)	i	ı	1	1
1/	BQL (QL=0.5)	1	1	i	ı
,	BQL (QL=2.5)	i	3	1	r
ī	0.24	i,	1	1	1
1	10.92	1	1	1	t
ī	13.03	ī	1	ī	1
21.36	19,64	23.75	19.15	22.37	20.80
13,94	12.00	14.12	12.51	13.67	13.43
32.49	30,41	33,33	32.08	33.74	31.97
64.51	61.76	63.24	60.07	62.31	62.14
13.06.2023	20.06.2023	23.06.2023	27.06.2023	30.06.2023	AVERAGE
12.06.2023	19.06,2023	22.06.2023	26.06.2023	29.06.2023	
4.	5.	.9	7.	8.	

Approved By

Pankil Patel

Shiyu 1.B.

Analysis By

END

### Ambient Noise Report



Reporting Date:-06.07.2023

Comp	any Nan	ne	Kutch	Copper Limit	ed
	C	n Site 24	Hourly N	Monitoring Result	cs
Sample Typ	oe .			Ambient Noise Monitoring	g
Location				Moti Bhujpar Village	
Sampling D	ate			01.06.2023	
Sampling In	nstrument	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

Com	pany Nar	ne	Kutch	Copper Limit	ted
		On Site 2	4 Hourly I	Monitoring Result	ts
Sample Ty	/pe			Ambient Noise Monitorin	a
Location				Moti Bhujpar Village	5
Sampling I	Date			01.06.2023	
Sampling I	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
	03:00 - 04:00	42.2	dB (A) Leq	IS 9989	70
22.					
22. 23.	04:00 - 05:00	40.9	dB (A) Leq	IS 9989	70

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Reporting Date:-06.07.2023

Comp	oany Nan	ne	Kutch	Copper Limit	ted
	(	On Site 24	Hourly I	Monitoring Result	ts
Sample Ty	ре			Ambient Noise Monitorin	q
Location				Zarapara Village	
Sampling D	Date			06.06.2023	
Sampling I		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**

Comp	any Nam	ie	Kutch	Copper Limit	ed
	O	n Site 24	Hourly N	onitoring Result	s
Sample Typ	oe .			Ambient Noise Monitoring	]
Location				Zarapara Village	
Sampling D	ate			06.06.2023	
Sampling Ir	nstrument	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
	05:00 - 06:00	39.6	dB (A) Leq	IS 9989	70

Shityy K.B.

Approved By

Pankil Patel

END.



Reporting Date:-06.07.2023

Comp	oany Nan	пе	Kutch	<b>Copper Limit</b>	ed
	(	On Site 24	Hourly P	Monitoring Result	S
Sample Ty	ре			Ambient Noise Monitoring	]
Location				Shiracha Village	
Sampling D	Date			08.06.2023	
Sampling I	nstrument	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**

Comp	any Nam	ie	Kutch	Copper Limit	ed
	C	n Site 24	Hourly N	onitoring Result	S
Sample Typ	oe .			Ambient Noise Monitoring	]
Location	, , , , , , , , , , , , , , , , , , , ,			Shiracha Village	
Sampling D	ate	***************************************		08.06.2023	
Sampling Ir	nstrument	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

Shight K.B.
Shiyal Kishor

Approved By Pankil Patel



Reporting Date:-06.07.2023

Comp	oany Nan	пе	Kutch	<b>Copper Limit</b>	ed
	(	n Site 24	Hourly N	onitoring Result	:S
Sample Typ	pe			Ambient Noise Monitoring	<u> </u>
Location				Zarapara Village	
Sampling D	ate			12.06.2023	
Sampling I	nstrument	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

Comp	any Nan	ne	Kutch	Copper Limit	ed
	(	On Site 24	Hourly I	Monitoring Result	cs
Sample Type	9			Ambient Noise Monitoring	a
Location				Zarapara Village	5
Sampling Da	te	•		12.06.2023	
Sampling Ins	strument	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
10	12:00 - 01:00	43.9	dB (A) Leq	IS 9989	70
19.					
20.	01:00 - 02:00	40.2	dB (A) Leq	IS 9989	70
20.	01:00 - 02:00 02:00 - 03:00	40.2 41.8	dB (A) Leq dB (A) Leq	IS 9989 IS 9989	70 70
20.					
20. 21. 22.	02:00 - 03:00	41.8	dB (A) Leq	IS 9989	70



Reporting Date:-06.07.2023

### **AMBIENT NOISE MONITORING REPORT**

<b>Company Name</b>		Kutch	Copper Limit	ed	
	C	n Site 24	Hourly N	Monitoring Result	S
Sample Ty	pe			Ambient Noise Monitoring	
Location				Mota Kandagara Village	
Sampling D	Pate			19.06.2023	
Sampling I	nstrument	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
Shight K.B.
Shiyal Kishor

Approved By

END ..



**Reporting Date:-06.07.2023** 

<b>Company Name</b>		<b>Kutch Copper Limited</b>			
	O	n Site 24	Hourly N	onitoring Result	s
Sample Typ	oe e		- Color	Ambient Noise Monitoring	]
Location				Mota Kandagara Village	
Sampling D	ate			19.06.2023	
Sampling Ir	nstrument	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

<b>Company Name</b>			<b>Kutch Copper Limited</b>			
	C	n Site 24	Hourly N	onitoring Result	S	
Sample Typ	oe e			Ambient Noise Monitoring		
Location				Shiracha Village		
Sampling D	ate			22.06.2023		
Sampling Ir	nstrument	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>			
	C	n Site 24	Hourly N	onitoring Result	s	
Sample Typ	oe .			Ambient Noise Monitoring	]	
Location				Shiracha Village		
Sampling D	ate			22.06.2023		
Sampling Ir	nstrument	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	

Shitty K.B. Shiyal Kishor

### Soil Report

GO Green Mechanisms Pvt. Ltd.  Analysis Results for the Month of June-2023					
Compa	ny Name	Kutch Copper Limited	Reporting Date : 06.07.2023		
Sample	Туре	Soil			
Sample	Quantity	2 Kg			
-	f Sampling	19.06.2023			
Analysi	s Period	21.06.2023-26.06.2023			
CI No	DADAMETED		Location Name		
SL. NO.	L. No. PARAMETER	UNIT	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:	Approved By:
Shiyu K.B.	4
Shiyal Kishor	Pankil Patel

END.

Page 1 of 1



**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

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



Reporting Date: - 03.08.2023

### **WATER ANALYSIS REPORT**

Co	mpany	Name	Kutch	Copper	Limited				
Samp	le Type	Water							
Samp	le Quantity	3.5 L							
Date	of Sampling	13.07.202	3						
Analy	sis Period	15.07.202	3 - 21.07.2023						
				Loc	cation			IS 105	500:2012
SI. No.	Parameter	Unit	Shiracha Village (GW)	MotiBhujpar Village (GW)	Near Plant gate (GW)	Zarpara Village (SW)	Test Method	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 CaCO3	mg/L	164.0	382.0	152.0	124.0	APHA23rd Edn(2340 C)	200	600
5.	Alkalinity as CaCO3	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 (4500NO₃B)	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 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	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

[injet]

Kinjal Damor



Approved By

Pankil Patel

.END

### Ambient Air Report



Reporting Date: - 03.08.2023

# AMBIENT AIR QUALITY ANALYSIS REPORT

Sample Type   AMBIENT AIR QUALITY MONITORING   Percent Part   Pe	Co	Company Name	me	Kutc	Kutch Copper Lim	er Li	mited	p							
Policity per strict or Name         AMBIENT AIR QUALITY MONITORING         Applied Type           Parameters         Per (<1.0)	#Worldfull reduced		is describe manuscophopological proportion of places assess		On S	Site 24	Hour	ly Mor	itorin	g Resu	ults				
Parameters         Near Gate No.2         SO <sub>2</sub> NO <sub>2</sub> O <sub>3</sub> NHs         CO         Benzene         B@p         Pb         Ni           Unit         Unit         Hg/m3         Hg/	Sam	ple Type	en de la companya de	AMBI	ENT AIR	QUAL	TY MC	ONITO	RING					prediction of detro-training confusions and the second confusion of detro-training confusions and the second confusion of detro-training confusions and the second confusion of detro-training confusions and the second conf	materialis produstas estatutas estat
Parameters	Loca	tion Name	en e	Near (	sate No.	7	and of the second secon	mana dili coma de transporte esta di dell'attorna						- Andrews and the second secon	And hannel teriod dust a liber taxe, annual dust in Audrich,
Unit         Lig/m3         lig/m3 <td>physical activation by parent and a physical activation activation and a physical activation activation and a physical activation activa</td> <td>Parameters</td> <td></td> <td>PM (&lt;10)</td> <td>PM (&lt;2.5)</td> <td>202</td> <td>NO<sub>2</sub></td> <td>°°°</td> <td>NH3</td> <td>8</td> <td>Benzene</td> <td>ВФР</td> <td>Pb</td> <td>N</td> <td>As</td>	physical activation by parent and a physical activation activation and a physical activation activation and a physical activation activa	Parameters		PM (<10)	PM (<2.5)	202	NO <sub>2</sub>	°°°	NH3	8	Benzene	ВФР	Pb	N	As
Test Method Is S182- GGMPL/SOP/ IS S182- IS S182		Unit		£m/grl	гш/вп	гш/бп	ра/ш3	m/g/m3	µg/m3	mg/m3	hg/m3	ng/m3	m/gn/	ng/m3	ng/m3
NAAQ Standards         100         60         80         80         100         400         4         5         1         1         1         20           Sampling Start Date         Sampling End Date         33.74         12.31         20.17         -         <	Sr. No.			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-	IS 5182- Part -12	Method IO- 3.4	Method IO- 3.4	Method IO-3.4
Sampling Start         Sampling End Date Date		NAAQ Standards	es proprio manuscrato de del constitución de la con	100	09	80	80	100	400	4	5	1	1	20	9
03.07.2023         04.07.2023         64.85         33.74         12.31         20.17         -			Sampling End Date												
06.07.2023         07.07.2023         60.48         31.24         11.56         19.08         12.06         14.13         0.25         BQL (QL=2.5)         BQL (QL=6.5)         BQL (QL=5.5)         BQL (QL=5.5)           10.07.2023         57.15         28.33         10.59         17.69         -	i,	03.07,2023	04.07.2023	64.85	33.74	12.31	20.17		i	t	1	,	t	ı	*
10.07.2023 11.07.2023 57.15 28.33 10.59 17.69 -	2.	06.07.2023	07.07.2023	60.48	31.24	11.56	19.08	12.06	14.13	0.25	BQL (QL=2.5)	8QL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)
	3.	10.07,2023	11.07.2023	57.15	28.33	10.59	17.69	3	i	1	P		,	- 1	The state of the s

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### Go Green Mechanisms Pvt.Ltd. 18.26 19.36 11.48 11.09 12.27 32.08 33.74 30.83 60.18 61,87 64.87 14,07,2023 18.07.2023 21.07.2023 13.07.2023 17.07.2023 20.07.2023

18.17

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25.07.2023

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28.07.2023

27.07.2023

8

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AVERAGE



Approved By

Pankil Patel

Analysis By

JKiujey

Kinjal Damor

END



Reporting Date: - 03.08.2023

# AMBIENT AIR QUALITY ANALYSIS REPORT

O	Company Name	ame	Kutc	Kutch Copper Limi	er Li	mited	0							management of the second of th
		eretinalgida area propagativa pera pera pera pera pera pera pera per		On S	Site 24	Hour	ly Mon	On Site 24 Hourly Monitoring Results	esults		name politica proportione e establica que la companie de la compan			
Sam	Sample Type		AMBI	AMBIENT AIR QUALITY	QUAL		MONITORING	RING			entricing of particular description of province	Anna de la companya d		er entre er en er en
Loca	Location Name		Zarap	Zarapara Village	je								lande france - prifyrough to a manufactur	eries anno (1913) con esta esta esta esta esta esta esta esta
	Parameters		PM (<10)	PM (<2.5)	SO <sub>2</sub>	NO <sub>2</sub>	O³	NH <sub>3</sub>	8	Benzene	ВФР	Pb	Ē	As
	Unit		£m/grl	гш/вп	hg/m3	ра/шз	m/grl	pg/m3	mg/m3	m/gn/	mg/m3	pg/m3	ng/m3	ng/m3
Sr. No,	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
	NAAQ Standards	ad de proprieta primario de mantena de mantena de mantena de despeta de mantena de mantena de mantena de mante	100	09	80	80	100	400	4	15	1	1	20	9
de militare de la proprieta de la constanta de	Sampling Start Date	Sampling End Date									The second process and the second sec		Townstrate that property and the state of th	
Ţ.	03.07.2023	04.07.2023	60.14	30.83	10.80	18.90	,		1	1	1	1	\$	1
2.	06.07.2023	07.07.2023	63.09	33.33	11.44	19.08	14.23	12.71	0.34	BQL (QL=2.5)	8QL (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	,	1		ı			ı	,
Control of the Contro		ad to present the state of the	And Annie An			Andrews Annual Commission of the Commission of t	12/2	CEC HOA		The second secon	Animatical professionary animal profession of	Annahum in the second party and a second party and	A transmission of the second s	



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,	and the second s	,		1	, ,
18.31	17.20	18.26		19.08	
10.86	10.84	11.76		10.49	11.54
29.11	26.24	31.66		28,33	29.99
58.65	56.15	61.33		57.77	59.18
AVERAGE	28.07.2023	25.07.2023	And the state of t	21.07.2023	18.07.2023
	27.07.2023	24,07,2023	Value of a family of the same of the first family for same of the	20.07.2023	17.07.2023
	8.	7.	A STATE OF THE PERSON NAMED IN		6. 5.



Analysis By
JK Infort
Kinjal Damor

Approved By

Pankil Patel

END



Reporting Date: - 03.08.2023

# AMBIENT AIR QUALITY ANALYSIS REPORT

Shample Type   AMBIENT AIR QUALITY Monitoring Results   Ambient Air	00	Company Name	ame	Kutc	Kutch Copper Limited	per L	imite	p							
Parameters   AMBIENT AIR QUALITY MONITORING   Parameters   Parameter	And the second s		edite edit in establishe descriptions de la company de la	manufic protects to depress of the contract of	O	Site 24	Hour	y Mon	itoring	) Resu	lts	MENTAL AND CONTRACTOR			And the process of th
Parameters         PM (<1.0)	Sam	ple Type		AMBI	ENT AIR	QUAL	ITY MC	ONITO	RING			una med i i primorpropri i primorpro	obesperate de l'accionistra de constante de l'accessibilità de l'acces	estancji kalije i je posem i menet i je pojem i monet i menet i	respectively being gravitational of techniques
Parameters	Loca	tion Name	ad heimeren er eft skalenska fallegen er kantar kantar er kenne er kenne kenne kenne kenne kenne de med for	Shirac	sha Villa	ge	manuscratipal professional accuracy (passeg	emphate despisate parameter paramete	and their way and the comments and the special property of the special propert					respect to a complete property and process of the property of	
Unit         Lighm3         Lighm3 <th></th> <th>Parameters</th> <th></th> <th>PM (&lt;10)</th> <th>PM (&lt;2.5)</th> <th>202</th> <th>NO2</th> <th>03</th> <th>NH<sub>3</sub></th> <th>00</th> <th>Benzene</th> <th>B@P</th> <th>Pb</th> <th>N</th> <th>As</th>		Parameters		PM (<10)	PM (<2.5)	202	NO2	03	NH <sub>3</sub>	00	Benzene	B@P	Pb	N	As
Test Method  Test		Unit		m/grl	hg/m3	mg/m3	Em/Brl	ра/шз	pg/m3	mg/m3	hg/m3	ng/m3	pg/m3	ng/m3	ng/m3
NAAQ Standards         Sampling Start         Sampling End Date         100         60         80         80         100         400         4         5         1         1         1         20           Sampling Start Date         Sampling End Date         11.05         11.05         18.42         -	Sr. No.			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-	IS 5182-Part - 12	Method IO-3,4	Method IO-3.4	Method IO-3,4
Sampling Start       Sampling End Date       Sampling End Date         03.07.2023       04.07.2023       59.24       29.58       11.05       18.42       —		NAAQ Standards		100	09	80	80	100	400	4	2		H	20	9
03.07.2023         04.07.2023         59.24         29.58         11.05         18.42         —		Sampling Start Date	Sampling End Date		The street of th			Contract from the contract of	Per Victoria de la companya del la companya de la companya del la companya de la					The state of the s	And constructed that the resources are selected to the construction of the constructio
06.07.2023         07.07.2023         57.56         27.49         10.52         17.45         13.30         11.30         0.29         BQL (QL=2.5)         BQL (QL=0.5)         BQL (QL=0.5)         BQL (QL=0.5)           10.07.2023         62.31         31.24         11.88         19.08         -         -         -         -         -	1.	03.07,2023	04.07.2023	59.24	29.58	11.05	18,42	1	ı	1	I	1	440	****	many
10.07.2023 11.07.2023 62.31 31.24 11.88 19.08 -	2.	06.07.2023	07.07.2023	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	11.07.2023	62.31	31.24	11.88	19.08	. 1		ī	1	r	,	4	1

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17.99	18.26	18.17	17.45	18.17	18.11
9.83	11.12	12.59	10.80	11.26	10,94
26.24	29.16	32.49	28.74	27.91	28.74
55,51	60,43	62.86	58.85	57.79	59.12
14.07.2023	18.07.2023	21.07.2023	25.07.2023	28.07.2023	AVERAGE
13.07.2023	17.07.2023	20.07.2023	24.07.2023	27.07.2023	
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Pankil Patel

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Reporting Date: -03.08.2023

# AMBIENT AIR QUALITY ANALYSIS REPORT

Shame    Sample   S	00	<b>Company Name</b>	ıme	Kutc	Kutch Copper Lim	er Li	mited	P							Annual or management of the state of the sta
Parameters   Most Bhujpar Village   Farameters   Most Bhujpar Village   Most State Bhujpar Village   Most Bhujpar Village   Most State Bhujpar Village   Most State Bhujpar Village   Most Bhujpar Bhujpar Village   Most Bhujpar Bhujpar Village   Most Bhujpar				Constant of Administration Appearance of the Constant of the C	On	Site 24	Hour	ly Moni	itoring	Resul	ts			Major kyrimosiski fasionalimos marku prvoji ydy.	
Parameters         Moti Bhujpar VIIIage         No.2         O.5         NHb         CO         Benzene         B@P         Pb         NI           Unit         Lunit         µg/m3         µg/m3 <t< th=""><th>San</th><th>nple Type</th><th></th><th>AMBI</th><th>ENT AIR</th><th>QUAL</th><th>TTY MC</th><th>ONITOR</th><th>SING</th><th>representation approximation in particular and part</th><th></th><th>resource and the second second</th><th>erentekanisassi kannyanisasyanisi kannyanisi o</th><th>de l'establique de la company de la company</th><th>ethoteopenistations (ethousepenistate) until jusqu</th></t<>	San	nple Type		AMBI	ENT AIR	QUAL	TTY MC	ONITOR	SING	representation approximation in particular and part		resource and the second	erentekanisassi kannyanisasyanisi kannyanisi o	de l'establique de la company	ethoteopenistations (ethousepenistate) until jusqu
Unit         PM (<10)	Loc	ation Name	en de la companya de	Moti E	\hujpar \	/illage					and the latter of the contract			end princere concrete sense places is in party	
Unit         Ligim3         lig/m3         lig/m3 <th></th> <th>Parameters</th> <th></th> <th>PM (&lt;10)</th> <th>PM (&lt;2.5)</th> <th>202</th> <th>NO<sub>2</sub></th> <th>°C</th> <th>NH3</th> <th>8</th> <th>Benzene</th> <th>В@Р</th> <th>Pb</th> <th>N</th> <th>As</th>		Parameters		PM (<10)	PM (<2.5)	202	NO <sub>2</sub>	°C	NH3	8	Benzene	В@Р	Pb	N	As
Test Method IS 5182- GGMPL/SOPY IS 5182- Fart 6 Fart 9 GGMPL/ Fart 10.07.2023 II.07.2023 S8.35 S8.35 S8.35 GGMPL/SOPY IS 5182- Fart 6 Fart 9 GGMPL/SOPY Fart 10 Fart 9 Fart 10 Fart 11.67.2023 Fart 10.07.2023 II.07.2023 Fart 10.07.2023 Fart 10.0		Unit		£m/grl	гш/вп	mg/m3	µg/m3	ра/ш3	ра/ш3	mg/m3	mg/m3	ng/m3	m/grl	ng/m3	ng/m3
NAAQ Standards         Sampling Start         Sampling End Date         100         60         80         100         400         4         5         1         1         1         20           Sampling Start Date Date         Co.7.2023         04.07.2023         54.73         25.41         8.71         15.27         - <t< td=""><td>Sr. No.</td><td></td><td></td><td>IS 5182- Part23</td><td>GGMPL/SOP/ AA/60</td><td>IS 5182- Part 2</td><td>IS 5182- Part 6</td><td>IS 5182- Part 9</td><td>GGMPL/ SOP/AA/ 62</td><td>IS 5182- Part 10</td><td>IS 5182-Part-</td><td>IS 5182-Part - 12</td><td>Method IO-3.4</td><td>Method IO-3.4</td><td>Method IO-3,4</td></t<>	Sr. No.			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-	IS 5182-Part - 12	Method IO-3.4	Method IO-3.4	Method IO-3,4
Sampling Start         Sampling End Date         Sampling Start         Sampling Start Date         Sampling Start Date         8.71         15.27         -		NAAQ Standards		100	9	80	80	100	400	4	5	1	T	20	9
03.07.2023         04.07.2023         54.73         25.41         8.71         15.27         -	er of the section of	Sampling Start Date	Sampling End Date	recently dependent parameters of depayment along	dese management est de des des processes des constructions de la construction de la const	Angele mengelepent tip a plantet in personal pictor.	- Annual cast description of the second seco	To the same of the	de construent de l'establique						A new contraction of the contrac
06.07.2023         07.07.2023         57.58         27.08         9.76         18.17         11.45         9.89         0.22         BQL (QL=2.5)         BQL (QL=0.5)         BQL (QL=0.5)         BQL (QL=5.5)           10.07.2023         11.07.2023         58.35         28.74         10.87         19.14         -<	1.	03.07.2023	04.07.2023	54.73	25.41	8.71	15.27	,		,	1	ſ	1	ı	ı
10.07.2023 11.07.2023 58.35 28.74 10.87 19.14	2.	06.07.2023	07.07.2023	57.58	27.08	9.76	18.17	11.45	68.6	0.22	BQL (QL=2.5)	BQL (QL=0.5)	BČL (QL=0.001)	BQL (QL≕5)	BQL (QL=1)
	e,	10.07.2023	11.07.2023	58.35	28.74	10.87	19.14	, (1)		ı	1		1	ı	1

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1	1	1	1		1		,	17.89	9.92	27.23	57.16	AVERAGE	
t	1	1	1	1	Ł	T TO THE PARTY OF	a and the second	18.54	10.23	28.33	58.01	28.07.2023	27.07.2023
ı	W W	,	1	ī		T The state of the	5	17.20	9.41	24,58	54.48	25.07.2023	24.07.2023
The state of the s	e e e e e e e e e e e e e e e e e e e	T T	5	1	1	t	ŧ	18.66	10.10	26,66	56.81	21.07.2023	20.07.2023
· ·	The state of the s	Total Control of the	T. I		1	1	\$	17.72	9.83	27.91	57.76	18,07,2023	17.07.2023
t	i	ı	1	1	t	ı	t	18.42	10.45	29.16	59.54	14.07,2023	13,07,2023



Analysis By JKinfell Kinjal Damor

Approved By

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Pankil Patel

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### Ambient Noise Report



Reporting Date:-03.08.2023

Comp	oany Nan	ne	Kutch	Copper Limi	ted
	C	n Site 24	Hourly I	Monitoring Resul	ts
Sample Ty	pe			Ambient Noise Monitorii	ng
Location				Moti Bhujpar Village	
Sampling D	Date			03.07.2023	
Sampling I	nstrument	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

Comp	any Nam	ne	Kutch	Copper Limit	ed
	C	n Site 24	Hourly N	Monitoring Result	s
Sample Typ	oe .			Ambient Noise Monitoring	]
Location				Moti Bhujpar Village	
Sampling D	ate			03.07.2023	
Sampling In	nstrument	Sound Level	Meter	Ldn	51.7
Lmax (Day)	)	57.2		Lmax (Night)	49.4
Lmin (Day)	16	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
	04:00 - 05:00	46.1	dB (A) Leq	IS 9989	70
23.					



Reporting Date:-03.08.2023

<b>Company Name</b>			Kutch	Copper Limit	ed
	C	n Site 24	Hourly N	onitoring Result	s
Sample Typ	oe e			Ambient Noise Monitoring	)
Location				Zarapara Village	
Sampling D	ate			10.07.2023	
Sampling Ir	nstrument	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>			Kutch	Copper Limit	ed
	0	n Site 24	Hourly N	onitoring Result	s
Sample Typ	oe e		i distribution	Ambient Noise Monitoring	]
Location		,		Zarapara Village	
Sampling D	ate			10.07.2023	
Sampling Ir	nstrument	Sound Level	Meter	Ldn	51.3
Lmax (Day)		57.2	1011-2014	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

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Analysis By

Kinjal Damor

Approved By

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Pankil Patel



Reporting Date:-03.08.2023

<b>Company Name</b>			Kutch	Copper Limit	ed
	C	n Site 24	Hourly N	onitoring Result	s
Sample Typ	oe .			Ambient Noise Monitoring	]
Location				Shiracha Village	
Sampling D	ate			13.07.2023	
Sampling Ir	nstrument	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**

Company Name		Kutch Copper Limited			
	C	n Site 24	Hourly N	onitoring Result	s
Sample Typ	pe e			Ambient Noise Monitoring	3
Location				Shiracha Village	
Sampling D	ate			13.07.2023	
Sampling In	nstrument	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
	1				

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Approved By

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Pankil Patel



Reporting Date:-03.08.2023

Company Name			Kutch	Copper Limit	ed
	C	n Site 24	Hourly N	onitoring Result	s
Sample Typ	oe e			Ambient Noise Monitoring	)
Location				Nr. Main Gate 2	
Sampling D	ate			06.07.2023	
Sampling Ir	nstrument	Sound Level	Meter	Ldn	52.5
Lmax (Day)	)	58.6		Lmax (Night)	49.0
Lmin (Day) 46.8		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>		ie	Kutch	Copper Limit	ed
	C	n Site 24	Hourly N	onitoring Result	s
Sample Typ	oe e	e sur As	-	Ambient Noise Monitoring	]
Location				Nr. Main Gate 2	
Sampling D	ate			06.07.2023	
Sampling In	nstrument	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

....END.

Analysis By

Approved By Pankil Patel



Reporting Date:-03.08.2023

Company Name			Kutch	Copper Limit	ed
	O	n Site 24	Hourly N	onitoring Result	s
Sample Typ	oe .		01-1	Ambient Noise Monitoring	)
Location				Nr. Main Gate	
Sampling D	ate			17.07.2023	
Sampling In	nstrument	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**

Company Name		<b>Kutch Copper Limited</b>			
	C	n Site 24	Hourly N	onitoring Result	s
Sample Typ	oe .			Ambient Noise Monitoring	]
Location				Nr. Main Gate	
Sampling D	ate			17.07.2023	
Sampling Ir	nstrument	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 Damor

Approved By

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Pankil Patel



Reporting Date:-03.08.2023

<b>Company Name</b>			Kutch	Copper Limit	ed
	C	n Site 24	Hourly N	onitoring Result	s
Sample Typ	oe e			Ambient Noise Monitoring	I
Location				Nr. Project Building	
Sampling D	ate			20.07.2023	
Sampling Ir	nstrument	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		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**

Com	pany	Name
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### **Kutch Copper Limited**

### **On Site 24 Hourly Monitoring Results**

Sample Type				Ambient Noise Monitoring		
Location			Nr. Project Building			
Sampling D	ate		20.07.2023			
Sampling In	nstrument	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 Kirijal Damor

Approved By

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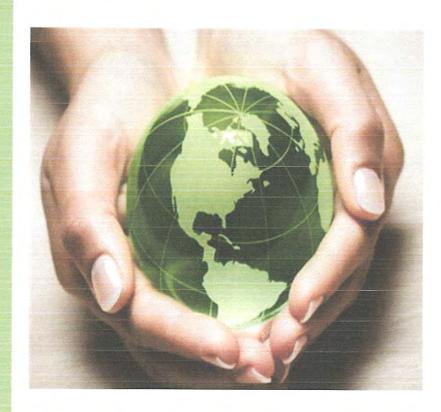
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Report Issued to:

### **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

Ref: GGMPL2023/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	03

Thanks and Regards

For Go Green Mechanisms Pvt Ltd



### Ground Water Report



Reporting Date: - 08.09.2023

### **WATER ANALYSIS REPORT**

Co	mpany	Nam	ie Ku	itch Cop	per Limite	ed			
Samp	le Type	Water							
Samp	le Quantity	3.5 L							
Date	of Sampling	03.08.20	023						
Analys	sis Period	05.08.20	023 - 10.08.2023						
				Loc	cation			IS 105	500:2012
SI. No.	Parameter	Unit	Shiracha Village (GW)	MotiBhujpar Village (GW)	Near Plant gate (GW)	Zarpara Village (SW)	Test Method	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 CaCO3	mg/L	178.0	392.0	168.0	136.0	APHA23rd Edn(2340 C)	200	600
5.	Alkalinity as CaCO3	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 (4500SO4E)	200	400
9.	Nitrate	mg/L	1.43	2.24	1.52	0.62	APHA23rdEdn (4500NO₃B)	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.	Ödour	iş.	Agreeable	Agreeable	Agreeable	Agreeable	15 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





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	1.7	Absent

BQL - Below Quantification Limit

Analysis By

Linjul

Kinjal Damor



Approved By

Pankil Patel

END.

### Ambient Air Report



Reporting Date: - 08.09.2023

# AMBIENT AIR QUALITY ANALYSIS REPORT

S	Company Name	Je	Kutc	Kutch Copper Limited	er Li	mite	ס							A Constitution of the cons	
				On	On Site 24	1	ly Mor	Hourly Monitoring Results	g Resu	ults					7
San	Sample Type		AMBI	AMBIENT AIR QUALITY MONITORING	QUAL	TTY MC	ONITO	RING							-
Loc	Location Name		Near (	Near Gate No.2	2						An annual production of the second control o				
	Parameters		PM (<10)	PM (<2.5)	202	NO <sub>2</sub>	ő	NH <sub>3</sub>	8	Benzene	ВФР	Pb	Z	As	
	Unit		Em/Brl	hg/m3	mg/m3	ра/ш3	hg/m3	ра/ш3	mg/m3	pg/m3	ng/m3	гш/бн	ng/m3	ng/m3	
Sr. No.	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	15 5182-Part-	IS 5182- Part -12	Method IO- 3.4	Method IO- 3.4	Method IO-3.4	
	NAAQ Standards		100	09	80	80	100	400	4	5	1	7-4	20	9	
	Sampling Start Sa Date	Sampling End Date							The second secon						
i.	03.08.2023 0	04.08.2023	66.23	35.83	13,28	22.29	1	1		ı	I I	8	1		
2.	07.08.2023	08.08.2023	62.73	33.74	12.27	21.05	1	The state of the s	,	T T T T T T T T T T T T T T T T T T T	1	ı	1	4	
3,	10,08,2023	11.08,2023	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)	
						-	SENSONE SENSONE	(5)					Adores programme & personal direction of the programme & action of a factor of a factor of the facto	delenancia, com a com	

Page No 1 of 2



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14.08.2023		15.08,2023	63.67	34.58	13.80	21.17	1	1	ï	ı	ı	The state of the s			
17.08.2023		18,08,2023	61.38	32.91	11.44	18,94	ı		t	t	1		1	I	
21.08.2023		22.08.2023	56.98	28.74	10.29	17.58	1	1	1	I.	1	T T	,	4	
24.08.2023		25.08,2023	59,34	29,99	13,41	21.73	The state of the s	1	ŧ	3	l l	2	1	The state of the s	
28.08.2023	~	29,08,2023	60,23	30,83	12,62	22.01	1	E E	1	1		1	ı	1	
31.08.2023	3	01.09,2023	58.47	26.66	10,65	18.11								Walter the state of the state o	
		AVERAGE	61,05	31.57	12.17	20.23		I	1	1	1	1		t	
and the standard of the standa	Accession of Spinster,	where the transfer of professional designing a standard out of the standard of the standard of the standard of the standard out of the standard ou		Lateral Contract of the Contra	Annual Property and Publishers and P	Annual Comments	A contract of the last of the	The state of the same of the s	The Control of the last of the	The state of the s	The second secon	Commence of the Commence of th			



Approved By

Pankil Patel

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Page No 2 of 2



Reporting Date: - 08.09.2023

# **AMBIENT AIR QUALITY ANALYSIS REPORT**

ပိ	Company Name	ame	Kutc	Kutch Copper Limited	Jer Li	imite	0							
erické teura judoplim na amin				On	On Site 24		ly Mon	Hourly Monitoring Results	esults					
San	Sample Type		AMBI	AMBIENT AIR QUALITY MONITORING	QUAL	ITY MC	ONITO	RING						
Loc	Location Name		Zarap	Zarapara Village	ge									
	Parameters		PM (<10)	PM (<2.5)	2O <sub>2</sub>	NO <sub>2</sub>	ő	NH3	99	Benzene	ВФР	Pb	Z	As
	Unit		pg/m3	hg/m3	гш/бп	tm/m3	hg/m3	hg/m3	mg/m3	hg/m3	ng/m3	£m/brl	ng/m3	ng/m3
Sr. No.	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	09	80	80	100	400	4	5	1	1	20	9
	Sampling Start Date	Sampling End Date												
ij	03.08.2023	04.08.2023	56.55	27.91	8,68	16,84	,	,	t	1	1	2	t	1
2.	07.08.2023	08.08.2023	60.54	30.41	9.75	17.33	S S	1	1	1	1		ı	
3,	10.08.2023	11.08.2023	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)
					Absentational production of the second	Average three properties of the property of th		A secretarion and a secretarion of proceedings of the second		describing a service of the service	Contraction of the last of the		-	



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20.31	15.35	17.83	16.59	15.60	17.27	17.37
11.49	9.68	11.36	9.78	8.70	9.05	6,93
28.74	27.49	30.83	29.58	25.00	26.66	28.19
59.55	55.63	60.18	57.96	53.29	55,53	57.37
15.08,2023	18.08,2023	22.08,2023	25.08,2023	29.08,2023	01.09,2023	AVERAGE
14.08.2023	17.08.2023	21.08.2023	24.08.2023	28.08,2023	31.08.2023	
4.	5.	9	7.	8.	9.	

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Jahringer Sinjal Damor

Analysis By

Approved By

Pankil Patel

END

Page 2 of 2



Reporting Date: - 08.09.2023

# **AMBIENT AIR QUALITY ANALYSIS REPORT**

S	Company Name	O	Kutc	Kutch Copper Li	per Li	imited	70							
		and the second property of the second		On	On Site 24	1	y Mon	Hourly Monitoring Results	Resu	Its				
San	Sample Type		AMBI	AMBIENT AIR QUALITY MONITORING	QUAL	ITY MO	ONITO	RING	and the second s			Andrick House, and the second control of the		
Loc	Location Name		Shirac	Shiracha Village	ige	ere e de militar de manda mengaman Angelon								
	Parameters		PM (<10)	PM (<2.5)	SO <sub>2</sub>	NO2	°°	NH3	8	Benzene	B@P	Pb	ž	As
	Unit		£m/brl	hg/m3	m/grl	hg/m3	hg/m3	µg/m3	mg/m3	hg/m3	ng/m3	mg/m3	ng/m3	ng/m3
Sr. No.	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-	IS 5182-Part 12	Method IO-3,4	Method IO-3.4	Method IO-3.4
	NAAQ Standards		100	09	80	80	100	400	4	2	-	1	20	9
	Sampling Start Sar Date	Sampling End Date												
<del>-i</del>	03.08,2023	04.08.2023	62,38	31.66	13.27	20.34	ı	1	1		ŧ	1	3	The state of the s
2.	07.08.2023 06	08.08,2023	59.48	29.58	12,18	19.22	1	ı	t	***	a a second	To the state of th	,	1
e,	10.08.2023	11.08,2023	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)
						1	ECHAN!	100					Dage No. 1 of 2	

Page No 1 of 2



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1	1	3		r	ř	
19.32	16.71	16.44	19.50	20.62	18.94	18.77
11.14	9.83	10.97	12.62	13,41	12.58	11.75
28.33	27.91	30.83	31.66	29.58	30.83	30.04
58.42	54.51	58.99	61.72	60.27	59,16	59.15
15.08,2023	18,08,2023	22.08.2023	25.08,2023	29.08,2023	01.09,2023	AVERAGE
14,08,2023	17.08.2023	21.08.2023	24.08.2023	28.08.2023	31.08.2023	
4.	2.	.9	7.	8.	9.	

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Analysis By

[ Kinjal Damor

Approved By

Pankil Patel

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Page No 2 of 2



Reporting Date: -08,09,2023

# AMBIENT AIR QUALITY ANALYSIS REPORT

ပိ	Company Name	ame	Kutc	Kutch Copper Limited	er Li	mite	70							
				On	On Site 24		Hourly Monitoring Results	toring	Resul	ts				
San	Sample Type		AMBI	AMBIENT AIR QUALITY MONITORING	QUAL	TY MC	NITOR	RING	ermethin Citizense de Lancier de					
Loc	Location Name		Moti E	Moti Bhujpar Village	/illage									
	Parameters		PM (<10)	PM (<2.5)	202	NO <sub>2</sub>	O³	NH <sub>3</sub>	8	Benzene	B@P	Pb	ž	As
	Unit		pg/m3	hg/m3	pg/m3	pg/m3	tm/grd	pg/m3	mg/m3	m/bd	ng/m3	hg/m3	ng/m3	ng/m3
Sr. No.	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-	IS 5182-Part -	Method IO-3,4	Method IO-3,4	Method IO-3,4
	NAAQ Standards		100	09	80	80	100	400	4	5	1	1	20	9
	Sampling Start Date	Sampling End Date								Application of the control of the co	Account the section of the section o	And the second s		
1.	03.08,2023	04.08.2023	56.03	27.49	89.68	17,33		ı			i	2	1	t
2.	07.08,2023	08.08,2023	58.43	29.16	10.79	20.31	1			1	,	3		
ri.	10.08,2023	11.08,2023	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)	8QL (QL=5)	BQL (QL=1)
							MEGEN	1			A speciment of the spec			Prince and the latest

Page No 1 of 2



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20.06	19.07	20.31	19.32	20.55	17.09	19.48
11.76	10.38	11,76	10,83	11.49	10.13	10,99
31.66	29.99	28.33	26.24	30,41	28.30	29.11
61.49	60.25	59.22	57.22	96'69	58.69	58,98
15.08,2023	18.08.2023	22.08.2023	25.08,2023	29,08,2023	01.09,2023	AVERAGE
14.08.2023	17.08.2023	21.08.2023	24.08.2023	28.08.2023	31.08.2023	
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Approved By

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Pankil Patel

Kinjal Damor

Analysis By

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## Ambient Noise Report



Reporting Date:-08.09.2023

Comp	any Nam	ne	Kutch	Copper Limit	ted
	O	n Site 24	Hourly N	onitoring Resul	ts
Sample Typ	ре			Ambient Noise Monitorin	ng
Location			120	Moti Bhujpar Village	
Sampling D	ate	***		14.08.2023	
Sampling Ir	nstrument	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**

Comp	oany Nan	ne	Kutch	Copper Limit	ed
	C	n Site 24	Hourly N	Monitoring Result	s
Sample Typ	oe .			Ambient Noise Monitoring	9
Location				Moti Bhujpar Village	
Sampling D	ate			14.08.2023	
Sampling I	nstrument	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
	Analysi Kinjal [	s By Damor	dB (A) Leq	Ap	proved By  ankil Patel

Page No.2/2



**Reporting Date:-08.09.2023** 

Comp	any Nam	ne	Kutch	Copper Limit	ed
	C	n Site 24	Hourly N	onitoring Result	s
Sample Typ	oe .			Ambient Noise Monitoring	9
Location				Zarapara Village	
Sampling D	ate		to Have a Command	17.08.2023	
Sampling Ir	nstrument	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**

Comp	any Nam	ne	Kutch	Copper Limit	ed
	C	n Site 24	Hourly N	Monitoring Result	s
Sample Typ	oe .			Ambient Noise Monitoring	]
Location				Zarapara Village	
Sampling D	ate			17.08.2023	
Sampling Ir	nstrument	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
	04:00 - 05:00	41.7	dB (A) Leq	IS 9989	70
23.	0 1100 05100				1

END.



Reporting Date:-08.09.2023

Comp	any Nam	ie	Kutch	Copper Limit	ed
	C	n Site 24	Hourly N	onitoring Result	s
Sample Typ	oe .			Ambient Noise Monitoring	9
Location				Shiracha Village	
Sampling D	ate			21.08.2023	
Sampling Ir	nstrument	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**

Comp	any Nam	ne	Kutch	Copper Limit	ed
	C	n Site 24	Hourly N	onitoring Result	s
Sample Typ	oe .			Ambient Noise Monitoring	9
Location				Shiracha Village	
Sampling D	ate			21.08.2023	
Sampling In	nstrument	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
		40.0	ID (4) I	70,0000	FF
23.	04:00 - 05:00	40.8	dB (A) Leq	IS 9989	55

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Analysis By

Jan J

Kinjal Damor

Approved By

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Pankil Patel



**Reporting Date:-08.09.2023** 

Comp	any Nam	ie	Kutch	Copper Limit	ed
	C	n Site 24	Hourly N	onitoring Result	s
Sample Typ	oe .		***************************************	Ambient Noise Monitoring	)
Location	111111111111111111111111111111111111111			Nr.Gate No.2	
Sampling D	ate	****		24.08.2023	
Sampling Ir	nstrument	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





Reporting Date:-08.09.2023

## **AMBIENT NOISE MONITORING REPORT**

Comp	any Nam	ne	Kutch	Copper Limit	ed
	O	n Site 24	Hourly N	onitoring Result	s
Sample Typ	oe .			Ambient Noise Monitoring	]
Location				Nr.Gate No.2	
Sampling D	ate			24.08.2023	
Sampling Ir	nstrument	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 Damor

Approved By

Pankil Patel



Reporting Date:-08.09.2023

Comp	any Nam	ie	Kutch	Copper Limit	ed
	o	n Site 24	Hourly N	onitoring Result	s
Sample Typ	e	CONTRACTOR SET		Ambient Noise Monitoring	]
Location				Nr. Main Gate	
Sampling D	ate			28.08.2023	
Sampling Ir	strument	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





**Reporting Date:-08.09.2023** 

## **AMBIENT NOISE MONITORING REPORT**

Comp	any Nam	ne	Kutch	Copper Limit	ed
	O	n Site 24	Hourly N	onitoring Result	s
Sample Typ	e			Ambient Noise Monitoring	3
Location		***************************************		Nr. Main Gate	
Sampling Da	ate			28.08.2023	
Sampling In	strument	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
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Analysis By

Kinjal Damor

Approved By

Pankil Patel



Reporting Date:-08.09.2023

Comp	any Nam	ne	Kutch	Copper Limit	ed
	O	n Site 24	Hourly N	fonitoring Result	s
Sample Typ	oe .			Ambient Noise Monitoring	]
Location			11-11-	Nr. Project Building	
Sampling D	ate			31.08.2023	
Sampling Ir	nstrument	Sound Level	Meter	Ldn	54.8
Lmax (Day)		61.2		Lmax (Day)	50.5
Lmin (Day) Leg (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**

Comp	any Nan	ne	Kutch	<b>Copper Limit</b>	ed
	C	n Site 24	Hourly N	onitoring Result	s
Sample Typ	ре	·		Ambient Noise Monitoring	9
Location				Nr. Project Building	
Sampling D	ate	11000		31.08.2023	
Sampling I	nstrument	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

Approved By
Pankil Patel

CIND

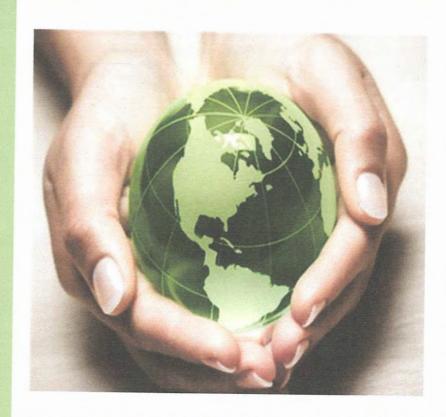
Report Issued to:

## **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

## 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

2

For Go Green Mechanisms Pvt Ltd



## Ground Water Report



Reporting Date: - 06.10.2023

## **WATER ANALYSIS REPORT**

Co	mpany	Nan	ne Ku	itch Cop	per Limit	ed			
Samp	ole Type	Water							
Samp	le Quantity	3.5 L							
Date	of Sampling	18.09.2	023						
Analy	sis Period	19.09.2	023 - 25.09.2023						
				Lo	cation			IS 10	500:2012
SI. No.	Parameter	Unit	Shiracha Village (GW)	MotiBhujpar Village (GW)	Near Plant gate (GW)	Zarpara Village (SW)	Test Method	AL	PL
1.	pH@25 °C	-	8.18	6.86	6.24	7.43	IS 3025-Part11	6.5-8.5	No relaxatio
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	APHA23rd Edn(2540 C)	500	2000
4.	Total Hardness as CaCO3	mg/L	196.0	380.0	160.0	132.0	APHA23rd Edn(2340 C)	200	600
5.	Alkalinity as CaCO3	mg/L	115.00	280.00	144.00	101.00	APHA23rd Edn (2230B)	200	600
6.	Calcium as Ca	mg/L	42.48	77.76	40.08	26.45	APHA23rdEdn (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	APHA23rdEdn (4500SO <sub>4</sub> E)	200	400
9.	Nitrate	mg/L	1.79	2.21	1,47	0.55	APHA23rdEdn (4500NO₃B)	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	0.78	0.85	0.39	0.42	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	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

Jibhar

Vishal Makwana



Approved By

Pankil Patel

.....END.....

## Ambient Air Report



Reporting Date: -06.10.2023

# **AMBIENT AIR QUALITY ANALYSIS REPORT**

00	<b>Company Name</b>	ıme	Kutc	Kutch Copper Lim	er Li	mited	<b>D</b>							
				On §	Site 24	Hour	On Site 24 Hourly Monitoring Results	itoring	Resul	ts				
San	Sample Type		AMBI	AMBIENT AIR QUALITY MONITORING	QUAL	TY MC	ONITO	SING						
Loc	Location Name		Moti B	Moti Bhujpar Village	/illage									
	Parameters		PM (<10)	PM (<2.5)	SO <sub>2</sub>	NO <sub>2</sub>	Õ	NH <sub>3</sub>	8	Benzene	В@Р	Pb	Z	As
	Unit		pg/m3	mg/m3	pg/m3	pg/m3	гш/вп	£m/grl	mg/m3	£m/brl	mg/m3	pg/m3	ng/m3	ng/m3
Sr. No.	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	09	80	80	100	400	4	5	П	1	20	9
The second secon	Sampling Start Date	Sampling End Date											The second secon	
i.	04.09.2023	05.09.2023	58.37	29.16	11.41	19.31	d.	i.	t	v.	r	1	1	1
2.	08.09.2023	09.09.2023	61.96	31.24	12.14	22.49	ı	1	1	,	1	ī	1	1
3,	11.09.2023	12.09.2023	56.21	28.33	10,44	19,55		1	ı	,	,	1	1	1
-	and have a construction of the second of the	Annual control by the first control and the co			And the second s		100	ECHANA.				The second secon	Andrews of the same of the sam	Action and the second and the second and the second

Page No 1 of 2



ı		001) BQL BQL (QL=1)	1	1	1
1		BQL (QL=0.5) BQL (QL=0.001)	1	1	1
	ı			1	·
ı	1	BQL (QL=2.5)	ı	t	ı
1	1	0.33		•	1
1	1	11.59	ı	8	
ı	1	13.17	1	t	i
21.75	18,09	20.53	18.82	22.55	20.39
12.48	9.27	11.29	89.6	12.83	11.19
33.33	31.66	29.16	25.41	27.49	29.47
63,20	62.64	61.02	55.16	60.49	59.88
15.09.2023	19.09.2023	22.09.2023	26.09.2023	29.09.2023	AVERAGE
14.09.2023	18.09,2023	21.09.2023	25.09.2023	28.09.2023	
4.	5.	.9	7.	8.	



Analysis By

Vishal Mkawana

Approved By

Pankil Patel

END

Page No 2 of 2



Reporting Date: - 06.10.2023

# **AMBIENT AIR QUALITY ANALYSIS REPORT**

S	Company Name	ame	Kutc	Kutch Copper Limited	er Li	mite	70							
Property of the Property of th				On	Site 24	Hour	y Mon	On Site 24 Hourly Monitoring Results	esults					
San	Sample Type		AMBI	AMBIENT AIR QUALIT	QUAL	TY MC	Y MONITORING	SING						
Loc	Location Name		Zarap	Zarapara Village	Je									
-0000	Parameters		PM (<10)	PM (<2,5)	SO <sub>2</sub>	NO <sub>2</sub>	O³	NH <sub>3</sub>	8	Benzene	В@Р	Pb	Z	As
100-1-00-	Unit		hg/m3	pg/m3	µg/m3	pg/m3	hg/m3	lug/m3	mg/m3	pa/m3	ng/m3	£m/grl	ng/m3	ng/m3
Sr. No.	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	09	80	80	100	400	4	5	1	1	20	9
	Sampling Start Date	Sampling End Date												
1;	04.09.2023	05.09.2023	58.05	29.16	10.37	18,33	ı	1	ì	1	ı	ı		
2.	08.09,2023	09.09.2023	62.27	32.08	11.74	19.25	1	1	ı	1	ı	1	1	1
ů,	11.09,2023	12.09.2023	59.38	29.16	9.74	18.97		- 110	1	1	1	ı	1	1
				ediscipus de servicione entre entre entre entre entre entre entre que entre entre entre entre entre entre entre		And the second s		(S)// (S)						

Page 1 of 2



1		1	1	ı	1	1	ŧ	- 18.66	10.67 18.66 -		10.67
r	1		1	ı	t	ı	1	16.62 -	10.40 16.62 -		10.40
ı		ı	ı	ı	1	ī	1	17.84	11.06 17.84 -		11.06
BQL (QL=1)	BQL (QL=5)	BQL (QL=0.001)	BQL (QL=0.5)	BQL (QL=2.5)	0.38	13.04	15.37	18.70 15.37		18.70	9.92 18.70
1	1	ı	ı	,	-1		 ī	17.05		17.05	10.64 17.05
1	1	,	i i	1	1	1	ī	22.55		27.91 11.44 22.55 -	11,44

Analysis By

Vishal Makwana

Approved By

Pankil Patel

END



Reporting Date: - 06.10.2023

# **AMBIENT AIR QUALITY ANALYSIS REPORT**

0	Company Name	ame	Kutc	Kutch Copper Limited	per Li	imite	P							
				On	On Site 24 Hourly Monitoring Results	Hour	y Mon	itoring	) Resu	lts				
San	Sample Type		AMBI	AMBIENT AIR QUALITY MONITORING	QUAL	ITY MC	OLINC	RING						
Loc	<b>Location Name</b>		Shirac	Shiracha Village	ge									
	Parameters		PM (<10)	PM (<2.5)	202	NO <sub>2</sub>	03	NH <sub>3</sub>	8	Benzene	В@Р	Pb	ïZ	As
	Unit		pg/m3	pg/m3	m/grl	гш/вп	hg/m3	µg/m3	mg/m3	hg/m3	ng/m3	µg/m3	ng/m3	ng/m3
Sr. No.	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-	IS 5182-Part - 12	Method IO-3.4	Method IO-3.4	Method IO-3,4
	NAAQ Standards		100	09	80	80	100	400	4	5	1	1	20	9
	Sampling Start Date	Sampling End Date												
i.	04.09.2023	05.09.2023	64.38	33.74	11.24	22.82	ı	1	1	ı	1	t		1
2.	08.09.2023	09.09.2023	57.48	27.49	14.04	20.90	ı	1	1		i	,	1	ı
3,	11.09.2023	12.09.2023	60.27	31.66	10.43	19.52	-	CO LIMING		1	1	ı	1	1
							153		68.5			200	Cac No 1 of	

Page No 1 of 2



-	1	BQL (0L=1)	1	ı	4
1	1	BQL (QL=5)		F	1
1	ı	BQL (QL=0.001)	ı	ı	ı
ı			1	1	ı
1	1	BQL (QL=2.5) BQL (QL=0.5)		1	1
ı	1	0.35			1.
i	1	13.51	1	1	1
ı	1	15.99	1	1	1
20.29	17.87	19.80	16.77	18.97	19.62
13.13	12.48	14.39	13.70	12.13	12.69
27.91	29.58	28.74	33,33	30.83	30.41
26.50	57.54	56.91	64.62	63.29	60.12
15.09.2023	19,09,2023	22.09.2023	26.09.2023	29.09.2023	AVERAGE
14.09.2023	18.09,2023	21.09.2023	25.09.2023	28.09.2023	
4	5.	6.	7.	8,	



Analysis By

Aishal Makwana

Approved By

Pankil Patel

END

Page No 2 of 2



Reporting Date: - 06.10.2023

# AMBIENT AIR QUALITY ANALYSIS REPORT

Sample Type   AMBIENT AIR QUALITY MONITORING   Parameters   Paramete	0	Company Name	ame	Kutc	Kutch Copper Lim	er Li	mited	0							
Indiange Type         AMBIENT AIR QUALITY MONITORING         Apple Type         APPLIANCE OF A TO BE ADDRESS NO. 20. NH 10.					On	Site 24	Hour	ly Mor	nitorin	g Resu	ılts				
Pation Name         Near Gate No.25         SO, NO, NO, NO, NO, NH, NO, NO, NO, NH, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO	San	nple Type		AMBI	ENT AIR	QUAL	TY MC	ONITO	RING						
Parameters         PM (<10)	Loc	ation Name		Near (	Sate No.	2									
Unit         Light		Parameters		PM (<10)	PM (<2.5)	202	NO <sub>2</sub>	ő	NH <sub>3</sub>	8	Benzene	В@Р	Pb	Z	As
Test Method  Test Method  Is 5182-  GGMPL/SOP/  Bart 2  AA/60  Bart 2  Bart 6  Bart 3  SOP,AA/  Bart 1  SoP,AA/  Bart 1  SoP,AA/  Bart 10  Bart 1		Unit		pg/m3	ра/ш3	ра/ш3	ра/ш3	mg/m3	ра/ш3	mg/m3	hg/m3	ng/m3	hg/m3	ng/m3	ng/m3
NAAQ Standards         Sampling End Date         100         60         80         100         400         4         5         1         1         1         20           Sampling Start Date Date         C6.09.2023         64.37         33.74         12.53         20.29         - <td< td=""><td>Sr. No.</td><td></td><td></td><td>IS 5182- Part23</td><td>GGMPL/SOP/ AA/60</td><td>IS 5182- Part 2</td><td>IS 5182- Part 6</td><td>IS 5182- Part 9</td><td>GGMPL/ SOP/AA/ 62</td><td>IS 5182- Part 10</td><td>IS 5182-Part-</td><td>IS 5182- Part -12</td><td>Method IO- 3,4</td><td>Method IO- 3.4</td><td>Method IO-3.4</td></td<>	Sr. No.			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-	IS 5182- Part -12	Method IO- 3,4	Method IO- 3.4	Method IO-3.4
Sampling Start Sampling End Date  04.09.2023 05.09.2023 64.37 33.74 12.53 20.29		NAAQ Standards		100	09	80	80	100	400	4	2	H	Ħ	20	9
04.09.2023         05.09.2023         64.37         33.74         12.53         20.29         -		Sampling Start Date	Sampling End Date												
08.09.2023     65.84     34.16     14.14     23.37     -     -     -     -     -       11.09.2023     63.52     32.08     13.74     21.45     -     -     -     -     -	ij	04.09.2023	05.09.2023	64.37	33.74	12.53	20.29	1	1	ı	ı		t	1	1
11.09.2023 12.09.2023 63.52 32.08 13.74 21.45 - <u>ECHANO</u>	2.	08.09,2023	09.09.2023	65.84	34.16	14.14	23.37	1	1	i	1	1	ı	t	1
	ů,	11.09.2023	12.09.2023	63.52	32.08	13.74	21.45	-	ECHANICE STATES	(63	,	1	ı	1	1

Page No 1 of 2





BQL (QL=5) BQL (QL=1)	BQL (QL=5)		1		1	
		BQL (QL=0.5)	1	1		
	- 1	BQL (QL=2.5) BQL BQL BQL (QL=0.001)	1	ı	ı	
ı	t	0.37	t	1	1	
	1	17.39	ı	1	1	-
,	ı	16.31	ı	L	1	-
19.31	20.35	19.52	22.82	23.65	21.34	-
11.91	12.48	11.87	12.92	14.53	13.01	7
32.91	34.16	30.41	31.24	32.08	32.60	Annual Statement of the Comments of the Commen
61.83	63.86	58.83	62.51	63.22	63,00	-
15.09.2023	19.09.2023	22.09.2023	26.09.2023	29.09.2023	AVERAGE	
14.09.2023	18.09.2023	21.09.2023	25.09.2023	28.09.2023		
4.	5.	. 6	7.	89		



Analysis By

Approved By

Pankil Patel

Vishal Makwana

END.....

## Ambient Noise Report



Reporting Date:-06.10.2023

Comp	any Nam	ne	Kutch	Copper Limi	ted
	C	n Site 24	Hourly N	onitoring Resul	ts
Sample Typ	oe .			Ambient Noise Monitorin	ng -
Location				Moti Bhujpar Village	
Sampling D	ate	-		11.09.2023	
Sampling I	nstrument	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	400	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**

Comp	oany Nan	1e	Kutch	<b>Copper Limit</b>	ed
	C	n Site 24	Hourly N	onitoring Result	cs
Sample Typ	pe			Ambient Noise Monitoring	9
Location				Moti Bhujpar Village	
Sampling D	ate			11.09.2023	
Sampling I	nstrument	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

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Pankil Patel

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Reporting Date:-06.10.2023

Comp	oany Nan	1e	Kutch	Copper Limit	ed
	C	n Site 24	Hourly N	Monitoring Result	S
Sample Typ	pe			Ambient Noise Monitoring	]
Location				Nr.Gate No.2	
Sampling D	Date			21.09.2023	
Sampling I	nstrument	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**

Comp	any Nam	ne	Kutch	Copper Limit	ed
	C	n Site 24	Hourly N	onitoring Result	S
Sample Typ	oe .			Ambient Noise Monitoring	)
Location				Nr.Gate No.2	
Sampling D	ate			21.09.2023	
Sampling I	nstrument	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

Approved By

Pankil Patel

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Reporting Date:-06.10.2023

Comp	any Nam	ie	Kutch	Copper Limit	ed
		n Site 24	Hourly N	onitoring Result	S
Sample Typ	oe .			Ambient Noise Monitoring	]
Location				Zarapara Village	
Sampling D	ate			14.09.2023	
Sampling Ir	nstrument	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**

Comp	oany Nan	пе	Kutch	Copper Limit	ced
	C	On Site 24	Hourly N	onitoring Result	ts
Sample Ty	ре			Ambient Noise Monitoring	g
Location				Zarapara Village	
Sampling D	ate			14.09.2023	
Sampling I	nstrument	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

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Reporting Date:-06.10.2023

Comp	any Nam	ie	Kutch	Copper Limit	ed
	C	n Site 24	Hourly N	onitoring Result	S
Sample Typ	oe e			Ambient Noise Monitoring	)
Location				Shiracha Village	
Sampling D	ate		44	18.09.2023	
Sampling Ir	nstrument	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**

Comp	any Nan	пе	Kutch	Copper Limit	ed
	C	n Site 24	Hourly M	onitoring Result	s
Sample Typ	oe			Ambient Noise Monitoria	ng
Location				Shiracha Village	
Sampling D	ate			18.09.2023	
Sampling In	nstrument	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
	02.00 04.00	39.5	dB (A) Leq	IS 9989	55
22.	03:00 - 04:00	33.3	. , .		
22.	04:00 - 05:00	41.7	dB (A) Leq	IS 9989	55

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Vishal Makwana

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Reporting Date:-06.10.2023

<b>Company Name</b>			<b>Kutch Copper Limited</b>			
	C	n Site 24	Hourly N	onitoring Result	s	
Sample Typ	oe .		30	Ambient Noise Monitoring	),	
Location				Nr. Main Gate		
Sampling D	ate		28.09.2023			
Sampling Instrument S		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>				
	C	n Site 24	Hourly N	onitoring Result	s	
Sample Typ	oe .			Ambient Noise Monitoring	]	
Location				Nr. Main Gate		
Sampling Date				28.09.2023		
Sampling Ir	nstrument	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



Reporting Date:-06.10.2023

<b>Company Name</b>		<b>Kutch Copper Limited</b>				
	C	n Site 24	Hourly N	onitoring Result	S	
Sample Type				Ambient Noise Monitoring		
Location			11-59-	Nr. Project Building		
Sampling Date				25.09.2023		
Sampling I	nstrument	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**

Company	<b>Name</b>
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## **Kutch Copper Limited**

## On Site 24 Hourly Monitoring Results

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	
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Analysis By

Vishal Makwana

Approved By

Pankil Patel

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