

JKC/ENV/EC/13 B/

Reg./AD & mail

Date: 20.05.2024

The Director,
Ministry of Environment, Forest & Climate Change (Integrated Regional Office)
A-209 & 218, "ARANYA BHAWAN", Jhalana Institutional Area, Jaipur-302004
Tel No: 0141-2713786, 2713778 Email: iro.jaipur-mefcc@gov.in

Subject: Compliance Report of Environmental Clearance conditions for Expansion of Grey Cement production capacity from 13,33,530 TPA to 13,69,830 TPA by debottlenecking / internal modification and product mix change of Line-1 (i.e. production of both grey and white clinker & cement from existing grey facility) by implementation of white & grey convertible facility in both Line - I & Line- II without any change in total granted capacity of Grey Clinker (8,77,950 TPA), White Clinker (4,95,000 TPA) & White Cement (5,54,400 TPA) at Village: Gotan, Tehsil: Merta, District: Nagaur (Rajasthan) by M/s. JK Cement Works, Gotan (Unit of J.K Cement Ltd.)- Reg. Environment Clearance under the provision of para 7 (ii) of EIA Notification, 2006.

Ref.: EC letter No. J-11011/63/2008-IA-II dated August 18, 2008 & Letter No. EC22A009RJ183791 File no. IA-J-11011/63/2008-IA-II(I) dated 27.05.2022

Sir, Following is the compliance status of environment clearance for production of cement as above referred letter:

Name of the Project : Expansion of Grey Cement line-1 from 471900 TPA to 508200 TPA with convertible facility - White Cement production 242659 TPA (Line - 2 project work is hold.)
Period of EC Compliance : From 1st OCT-2023 to 31st MAR-2024

SPECIFIC CONDITIONS:

Sr.	Conditions	Compliance Status
i	Three tier green belt are from 19ha. to 23ha. To achieve 33% of the project area shall be completed by monsoon season 2022 with native species all along the periphery of the project site of adequate width and tree density shall not be less than 2500 per ha. Survival rate of green belt developed shall be monitored on periodic basic to ensure that damaged plants are replaced with new plants in the subsequent years. Compliance status in thin regard, shall be submitted to concerned Regional Office, of the MOEF&CC.	We have developed and well maintained more than 33% green belt area of plant area which is tree sapling of Neem, Desi Ashok, Pendular Ashok, Arjun, conocarpus, State Tree Khejri etc. has been planted around the plant boundary, nearby area, colony area. A total of 24.55 hectares area of plantation has developed with 42915 nos. surviving saplings and 67.02% survival rate. Gap filling is planned in monsoon FY 2023-24 for increasing density of plants. Refer layout attached Annexure-1
ii	Greeting and paving shall be implemented in the plant area to arrest soil erosion and dust pollution from the exposed soil surface.	We have already taken care for controlling the fugitive dust emission by adopting the better house-keeping, concreting the movement areas and development of green belt.

Corporate Office

📍 Padam Tower, 19 DDA Community Centre Okhla, Phase - 1, New Delhi - 110020, India
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🌐 www.jkcement.com

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Registered Office : 📍 Kamla Tower, Kanpur-208001, U.P., India. ☎ +91-512-2371478 to 85 📠 91-512-2399854 🌐 www.jkcement.com

iii	Ammonia Gas Detectors shall be installed at the storage site and the kiln stack for detecting leakage / seepage of ammonia gas.	We have installed Ammonia Gas Detectors at the storage site and the kiln stack for detecting leakage / seepage of ammonia gas. (SNCR)
iv	Particulate matter emission from all the stacks shall not exceed 30mg/Nm ³ .	Particulate matter emission from all the stacks are under 30mg/Nm ³ . & OCEM system has installed at site for monitoring & connected with PCB's servers.
v	All stockyards shall have impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains to trap the run of material.	All stockyards is maintained flooring and equipped with water spray system for dust suppression (As required & Designed).
vi	All internal roads and connecting road from project site to main highway shall be developed and maintained with suitable Million Axle Standard (MSA) as per traffic load due to existing and proposed project.	Agreed, Factory roads connected with State highway directly & Axle Standard (MSA) maintained as per traffic norms.
vii	Slip road shall be provided at gates and along crossing on main gate.	We have provided at sites,
viii	Covered shed and toe walls shall be provided for raw material storage to check any attrition of raw materials. Storage shed shall have garland drains, material trap and shall be built on concrete platform.	Covered shed and toe walls provided for raw material storage to check any attrition of raw materials. Storage shed have garland drains, material trap and built on concrete platform.
ix	Performance monitoring of all pollution control device shall be carried out annually and report shall be submitted to MEF&CC, Regional Office.	Environmental Management cell has been set up. The Unit Head looks after the total control of pollutions, monitoring & maintenance of pollution control devices with the help of Technical -Head along with mechanical department, Environment Department, Environment Officers, Engineers (Chemical) & a trained team. Periodically & Annually reports are submitted to MOEF&CC, Regional Offices.
x	Following addition arrangements to control fugitive dust shall be provided. Fog/ Mist sprinklers at all conveyors point and on bulk raw material storage area (at the transfer points) like Iron Ore, Coal, and Fly ash and similar solid waste storage areas. Proper covered vehicle shall be used while transport of material. Wheel washing mechanism shall be provided in entry and exists gate.	As Below Status Mist sprinklers installed at all conveyors point and on bulk raw material storage area (at the transfer points) Proper covered vehicle are using for finished product and ensuring at factory gate level. Wheel washing mechanism not required due to dry process and all road maintained pacca.
xi	1166 KLD water after expansion shall be met from ground water sources as approved by the competent authority. Surface water sources like mine pit water, rain water harvested water and use of treated sewage water from nearby municipal corporation shall be explored and action plan in thin regard shall be submitted to the Regional Office of the MOEF&CC for gradual phase out of the ground water in a time frame of two years from the date of issue of EC.	We assure for the same i. e. the water consumption shall not exceed the limit. Permission for the same has been obtained from CGWA. Surface water sources like mine pit water, rain water harvested water and use of treated sewage water from nearby municipal corporation Water Report will be submit within time.
xii	Rain Water Harvesting shall be carried out to recharge 200% of annual ground water withdrawal as committed by the PP.	We have provided very well Rainwater harvesting System. Drawing and other in Letter No.-JKC/ENV/13 A/ dated 26.11.2014 and subsequent correspondence to CGWA compliances on yearly basis.
xiii	Particulate matter emissions from all the stacks shall be less than 30 mg/Nm ³ .	Particulate matter emission from all the stacks are under 30mg/Nm ³ . & OCEM system has installed at site for monitoring & connected with PCB's servers.
xiv	Petcoke dosing shall be controlled automatically to control SO ₂ emission from chimney within the prescribed limit.	SO ₂ emission from chimney within the prescribed limit and controlled automatically. Actually SO ₂ emission is very lesser compare to prescribed limit.

xv	Dioxin and furans shall be monitored twice a year during coprocessing of hazardous waste and report shall be submitted to the Regional Office of the MOEF&CC.	Agreed, we have ensured and reports submitted to the Regional Office of the MOEF&CC.
xvi	Develop a control strategy and plan that incorporates the pollution control measures. The clean air practice shall be adopted like mechanical collectors, wet scrubbers, fabric filters (bag house) electrostatic precipitator, combustion system (thermal oxidizers), condensers, absorbers and biological degradation. Controlling emission related to transportation shall include emission controls on vehicle as well as use of cleaner fuels.	Environmental Management cell has been setup. The Unit Head looks after the total control of pollutions, monitoring & maintenance of pollution control devices with the help of Technical -Head along with mechanical department, Environment Department, Environment Officers, Engineers (Chemical) & a trained team. Periodically & Annually reports are submitted to MoEF&CC, Regional Offices.

GENERAL CONDITIONS:

Sr.	Conditions	Compliance Status
I	Statutory Compliance	
i.	The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount / construe to approval/ consent / permission etc. required to be obtained or standards / conditions to be followed under any other Acts/ Rules / Subordinate legislation etc. as may be applicable to the project.	Agreed, we are follow & complying.
II	Air Quality Monitoring and Preservation	
i.	The project proponent shall install 24X7 continuous Monitoring System (CEMS) at process stacks to monitor stack emission as well as 4 nos. Continuous Ambient Air Quality Stations (CAAQS) for monitoring of AAQ parameters with respect to the standards prescribed in Environment Protection Rules, 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online server and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment Protection Rules, 1986 or NABL accredited laboratory.	Continuous Monitoring System (CEMS) is installed at all process stacks & Four CAAQM stations are installed at site and connected to RSPCB & CPCB servers for online monitoring. Apart from this, we also get monitoring done from approved labs on regular basis. Besides, RSPCB also conducts monitoring inspections from time to time. Refer recognized Lab Monitoring reports Attached: Annexure-2
ii.	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment Protection Rules, 1986.	We have monitor fugitive emissions in the plant premises at least every quarter on specific fugitive emissions areas . We are already taking care for controlling the fugitive dust emission by adopting better house-keeping, concreting the movement areas and development of green belt. Bag filters have been provided at material transfer points, packing, loading & unloading points. Further, quarterly AAQM reports are submitted accordingly.
iii.	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance.	Every Bag filter (plus jet) facility equipped the leakage detection system.
iv.	The project proponent ensure covered transportation and conveying of ore, coal and other raw material to prevent spillage and dust generation; use closed bulkers for carrying fly ash.	The covered transportation and conveying for ore, coal and other raw material has provided to prevent spillage and dust generation. Transportation of all powder form of raw materials & finished product are done by means of covered conveyor system & fly ash handaled through bulkers with pneumatic system .
v.	The project proponent shall provide wind shelter fence and chemical spraying on the material stock piles.	Agreed, if required

vi.	Ventilation system shall be designed for adequate air charges as per the prevailing norms for all tunnels, motors houses and cement bagging plants.	We have provided proper Ventilation system for all required sites.
III	WATER QUALITY MONITORING AND PRESERVATION	
i.	The project proponent shall install 24X7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules, 1986 vide G.S.R. No. 612 (E) dated 25th August 2014 (Cement and subsequent amendment dated 09th May, 2016 (Cement) and 10th May, 2016 in case of coprocessing cement) as amended from time to time.	The no any process effluent generated from cement process. Only domestic water effluent generated and treated at STP. Treated water use in plantation and maintained ZLD premises. We have install 24X7 continuous effluent monitoring PTZ camera & flow meter with respect to standards. Both are connected with PCB's servers.
ii	The project proponent shall regularly ground water quality at least twice a year (pre-and post-monsoon) at sufficient number of piezometers/sampling wells in the plant and adjacent area through labs recognized under Environmental (protection) Act 1986 and NABL accredited laboratories.	We are conducted the water testing as per norms twice a year by approved lab and maintained records. For ground water level monitoring we have install two number piezometers and connected with vendor cloud servers for real-time monitoring.
iii	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards	Sewage Treatment Plant has installed and all domestic waste water treated and use in plantation with meet the prescribed standards. RSPCB also conducts monitoring inspections from time to time.
iv	Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and check the water pollution due to surface run off.	Agreed. garland drains available.
v	Water meters shall be provided at the inlet to all unit processes in the cement plant	Water meters installed
vi	The project proponent shall make efforts to minimize water consumption in the cement plant complex by segregation of used water, practicing cascade use and by recycling treated water.	We are doing efforts to minimize water consumption in the cement plant with new technology adaption.
vii	Tyre washing facility shall be provided at the entrance and exit of the plant gates.	Agreed, if required, Actually no required because of no any sludge/ other material generated from the process.

IV Noise monitoring and prevention:

i	Noise quality shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and report in this regard shall be submitted to regional officer of the Ministry as a part of six-monthly compliance report.	Regular noise monitoring is being done around plant boundary. Noise levels are well within stipulated norms. Proper enclosures have been provided at high noise area. PPEs have been provided to all the workers. Recognized Lab Monitoring Reports Attached: Annexure-2
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V Energy Conservation Measures:

I	Waste heat recovery system shall be provided for kiln and cooler	Agreed – Line-II
ii	The project proponent shall make efforts to achieve power consumption less than 65unit/ton for Portland pozzolana Cement (PPC) and 85unit/ton for the ordinary Portland cement (OPC) production and thermal energy consumption of 670Kcal/Kg of clinker.	Agreed, we will efforts to achieve.
iii	Provide solar power generation on roof tops of buildings, for solar light system for all common areas street lights, parking around project area and maintain the same regularly.	We have installed solar power generation on roof tops 100 kWh for light system.
iv	Provide the project proponent for LED lights in their offices and residential areas.	We have provided all premises LED lights in their offices and residential areas.

VI Waste management:

i	Used refractories shall be recycled as far as possible	Agreed, we have provided recyclers.
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VII Green belt

i	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the program for reduction of the same including carbon sequestration by tree in the plant premises.	M/s JK Cement Ltd are make sustainability report and track of targets GHG & others. Every year published IR report by third party & provided on site for public domain
ii	The project proponent shall submit a study report on Decarburization program which would essentially consist of company's carbon emissions, carbon budgeting/balancing carbon sequestration activities and carbon capture, use and storage and offsetting strategies. Further, the report shall also contain time bounding action plan to reduce its carbon intensity of its operations and supply chain energy transition pathway from fossil fuels to renewable energy etc. All these activities/ assessment should be measurable and monitor able with defined time frames	

VIII. Public Hearing and Human issues:

i	Emergency preparedness plan based on the hazardous identification and Risk Assessment(HIRA) and Disaster Management Plan shall be implemented.	Emergency preparedness plan prepared based on the hazardous identification and Risk Assessment (HIRA) and Disaster Management. The unit is already IMS certified (ISO 9001, ISO 14001 & ISO 45001) and the plan copy is displayed at sites.
ii	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide personnel protection equipment(PPE)as per norms	The safety Department are established and well qualified officers given responsibility of sites which have ensure the personnel protection equipment (PPE)as per norms
ii	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.	Agreed, Periodic health checkup of all the employees have been conducted at our OHC (Dispensary) where all facilities are available. The records maintained Refer Report attached Annexure: -3

IX. Environment Management:

i	The project proponent shall comply with the provisions contained in this Minister's OM vide F. NO.22-65/2017-IA.III dated 30/09/2020	Agreed, we are comply
ii	The company shall have a well laid down environmental policy duly approved by the board of Directors.	The company has laid down environmental policy duly approved by the board of Directors. & available on company Website
ii	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 organization.	Environmental Management cell has been setup. The Unit Head looks after the total control of pollutions, monitoring & maintenance of pollution control devices with the help of Technical -Head along with mechanical department, Environment Department, Environment Officers, Engineers (Chemical) & a trained team.

X. Miscellaneous:

i	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the district or state, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently	Expansion EC: advertised in Rajasthan Dainak Navjyoti & Dainik Bhasker on dated 30.05.2022. Copies are already submitted to your good office earlier compliance report.
ii	The copy of the environment clearance shall be submitted by the project proponents to the head of local bodies, panchayats and municipal body in addition to the relevant offices of the government who in turn has to display the same for 30 days from date of receipt.	We have submitted the copy of the environment clearance Gram Panchayat Gotan within time frame dated 23.06.2022
iii	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including result of monitored data on their web site and upload on half-yearly basis.	Agreed, we are complying

iv	The project proponent shall monitor the criteria of pollutants level namely: PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	We are following NAAQs, 2009 and cement sector emission norms as per CTO.
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 environmental clearance portal.	Agreed, we are complying
vi	The project proponent submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment(Protection) Rules, 1986, as amended subsequently and put on the website of the company	We are submitting every financial year in Form-V to the concerned State Pollution Control Board as prescribed and also put on the website of the company
vii	The project proponent shall inform the Regional Office as well as the ministry, the date of the financial closure and final approval of the project by the concerned authorities , commencing the land development work and start of production of the project	Agreed, for the same.
viii	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitments made during the public hearing and also that during the their presentation to EAC	Agreed
ix	No further expansion or modification in the plant shall be carried out without prior approval of the MoEF& CC	It shall be followed at all times. Changes if any shall be under taken with due permissions.
x	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of the Environment (Protection) Act 1986.	Agreed, Noted
xi	The ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Agreed, Noted
xii	The ministry reserves the right to stipulate additional conditions if found necessary. The company in the time bound manner shall implement these conditions.	Agreed, Noted
xiii	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.	Agreed, committed
xiv	Any appeal against this EC shall lie with the National Green Tribunal, if preferred , within a period of 30 days as prescribed under section 16 of the National Green Tribunal Act, 2010.	Agreed, Noted

We hope you will find the document in order.

Thanking you,
Yours faithfully,

For JK Cement Works, Gotan


Dr. Rajesh Kumar Bagariya
(Environment Head)
Authorised Signatory

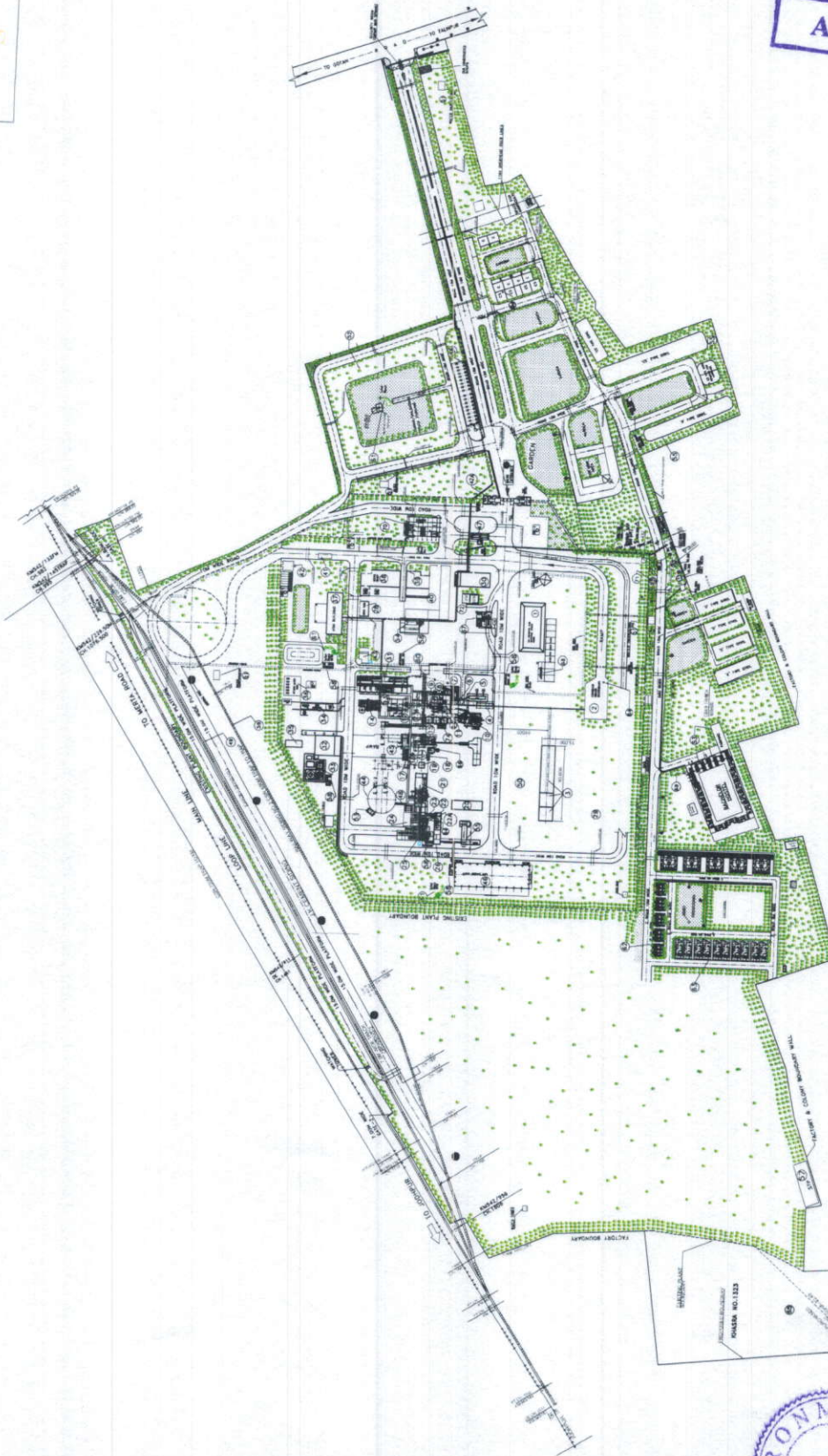
CC To:

Reg. A/d **Member Secretary,**
Rajasthan State Pollution Control Board
4, Institutional Area, Jhalana Doongari, Jaipur (Raj.) – 302 004

CPP

Reg. A/d **Regional Officer,**
Rajasthan State Pollution Control Board,
First Floor, Sehkar Bhoomi Vikas Bank Ltd., Nagaur- 341001

Encl: as above



ANNEXURE: 1



S.No.	DESCRIPTION	BT OF PLANT & COLONY
1	ONE FIELD RAW MATERIAL STOCKYARD	378.000
2	CHUNKED RAW MATERIAL STOCKYARD	378.000
3	CHUNKED RAW MATERIAL STOCKYARD	378.000
4	RAW MATERIAL STOCKYARD	378.000
5	RAW MATERIAL STOCKYARD	378.000
6	CONDITIONING TOWER	378.000
7	C.I.P.	378.000
8	BINNING CUM STORAGE SLD	378.000
9	SLURRY FEED BUILDING	378.000
10	RAW MATERIAL BUILDING (NEW)	378.000
11	PROCESSEMENT AND PACKAGING BUILDING	378.000
12	PACKAGING PLANT	378.000
13	PACKAGING PLANT	378.000
14	PACKAGING PLANT	378.000
15	CEMENT STORAGE SLD	378.000
16	CEMENT STORAGE SLD	378.000
17	CEMENT STORAGE SLD	378.000
18	CEMENT STORAGE SLD	378.000
19	CEMENT STORAGE SLD	378.000
20	CEMENT STORAGE SLD	378.000
21	CEMENT STORAGE SLD	378.000
22	PACKING PLANT	378.000
23	PACKING PLANT	378.000
24	PACKING PLANT	378.000
25	PACKING PLANT	378.000
26	WATER TANK AND PUMP HOUSE	378.000
27	ADMINISTRATIVE BUILDING	378.000
28	POWER HOUSE	378.000
29	OFFICE YARD	378.000
30	133KV SWITCH YARD	378.000
31	NEW RAW MATERIAL STOCKYARD	378.000
32	CANTEEN	378.000
33	TANK FARM AREA	378.000
34	COMPRESSOR HOUSE BUILDING	378.000
35	COOLING TOWER	378.000
36	WATER TANK AND PUMP HOUSE	378.000
37	ADMINISTRATIVE BUILDING	378.000
38	TRUCK STORAGE	378.000
39	TRUCK STORAGE	378.000
40	TRUCK STORAGE	378.000
41	TRUCK STORAGE	378.000
42	SALE OFFICE, SECURITY OFFICE AND THE OFFICE	378.000
43	NEW SECURITY OFFICE AND THE OFFICE	378.000
44	CANTEEN AND REST ROOM	378.000
45	NEW CEMENT STORAGE SLD	378.000
46	NEW CEMENT STORAGE SLD	378.000
47	NEW CEMENT STORAGE SLD	378.000
48	NEW CEMENT STORAGE SLD	378.000
49	NEW CEMENT STORAGE SLD	378.000
50	NEW CEMENT STORAGE SLD	378.000
51	TRUCK STORAGE	378.000
52	TRUCK STORAGE	378.000
53	TRUCK STORAGE	378.000
54	DRY-MIX PLASTER TEST PLANT	378.000
55	UPPER & CLAY LAND JAY CRUSHER	378.000
56	TWO WHEELER & FOUR WHEELER PARKING	378.000
57	STP	378.000
58	HYDRANT POINT (B. NOS)	378.000
59	SECOND RAILWAY JNT	378.000
60	TOILET BLOCK	378.000
61	TOILET BLOCK	378.000
62	NEW SUPPLY C.S. TYP. QTY (10 NOS)	378.000
63	NEW SUPPLY C.S. TYP. QTY (10 NOS)	378.000
64	NEW SUPPLY C.S. TYP. QTY (10 NOS)	378.000
65	NEW SUPPLY C.S. TYP. QTY (10 NOS)	378.000
66	NEW SUPPLY C.S. TYP. QTY (10 NOS)	378.000
67	NEW SUPPLY C.S. TYP. QTY (10 NOS)	378.000
68	NEW SUPPLY C.S. TYP. QTY (10 NOS)	378.000
69	NEW SUPPLY C.S. TYP. QTY (10 NOS)	378.000
70	NEW SUPPLY C.S. TYP. QTY (10 NOS)	378.000
71	NEW SUPPLY C.S. TYP. QTY (10 NOS)	378.000
72	NEW SUPPLY C.S. TYP. QTY (10 NOS)	378.000
73	NEW SUPPLY C.S. TYP. QTY (10 NOS)	378.000
74	NEW SUPPLY C.S. TYP. QTY (10 NOS)	378.000

NOTE - ALL RL OF PLINTH ARE AS PER HOLTEC DRG. NO.-A1-D42-000-0-56(42)

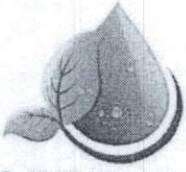
ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED
PLANTATION LAYOUT FOR PLANT & COLONY
 J.K. Cement Works
 (A Unit of J.K. Cement Co. Ltd.)
 NAGPUR (M.P.)

DATE	11/06/2023
SCALE	1:1000
PROJECT NO.	JKC/ENV/E-1378
DESIGNER	J.K. Cement Works
CHECKED	J.K. Cement Works
APPROVED	J.K. Cement Works
DATE	01/11/2023

REV.	DESCRIPTION	DATE	BY	CHK.

LEGEND:
 [Symbol] EXISTING BUILDING
 [Symbol] PROPOSED BUILDING
 [Symbol] PROPOSED ROAD

HYPHENATED
 REGIONAL BUREAU
 PUNJAB NO.1324
 HANSA NO.1324
 HANSA NO.1324



VIBRANT

"Experience the unimaginable"

Sample Number : VTLWWW/02

M/S JK Cement Works
(Unit of JK Cement Ltd.) Vill. & PO. - Gotan Dist -
Nagaur, Rajasthan

Name & Address of the Party :

Sample Description : Waste Water
Sampling Location : STP Outlet (STP Treated Water) 300 KLD STP
Sample Collected By : VTL Team, 73°43'22" N & 26°38'28"E
Coordinates : 73°43'41" & 26°38'31"

TEST REPORT

ANNEXURE-2



TC-11227

ULR No. : TC1122724000000324F
Report No. : VTLWWW/2403210002/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 29/03/2024
Period of Analysis : 21/03/2024-29/03/2024
Receipt Date : 21/03/2024
Sampling Date : 18/03/2024
Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Result	Unit	Limits
1	pH	IS: 3025 (P-11): 2022	7.50	-	5.5 to 9.0
2	Total Suspended Solids (TSS)	IS: 3025 (P-17): 2022	16.00	mg/l	20
3	Temperature	IS: 3025 (P-9): 1984, RA 2017	1.80	°C	Shall not exceed 5°C above the receiving water temperature
4	Oil & Grease	IS:3025 (P-39): 2021	*BLQ(**LOQ-4.0)	mg/l	10
5	Ammonical Nitrogen (as NH3-N)	IS: 3025 (P-34) : 1988,Sec.4 RA: 2022	2.80	mg/l	5.0
6	Total Kjeldahl Nitrogen (as NH3)	IS: 3025 (P-34): 1988, RA 2022 (Macro Kjeldahl Method)	6.44	mg/l	10
7	Biochemical Oxygen Demand (BOD) (3 days @ 27°C)	IS: 3025 (P-44): 1993, RA: 2019	9.00	mg/l	10
8	Chemical oxygen Demand (COD)	IS : 3025 (P-58) : 2006 RA: 2017	39.52	mg/l	50
9	Sulphide (as S)	IS: 3025 (P-29) :1986 Idometric, RA :2019	0.48	mg/l	2
10	Residual Free Chlorine	IS: 3025 (P-26):2021	0.47	mg/l	1.0

*BLQ-Below Limit OF Quantification, **LOQ- Limit Of Detection

End of Report

VIBRANT
"Experience the unimaginable"



Checked by



RK Yadav
Lab Incharge
Authorized Signatory



Page No. 1/1

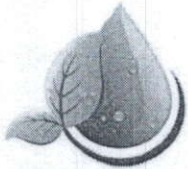
Approved & Certified EPA 1986 Recognised, ISO:9001 and OHSAS:45001 Certified

Vibrant Techno Lab Pvt. Ltd.

SC-40, 3rd Floor, Narayan Vihar S, Ajmer Road, Jaipur Raj. 302020
9929108691, 9810205356, 8005707098, 9549956601

0141-2954638
bd@vibranttechnolab.com
www.vibranttechnolab.com

Term & conditions PTO



TEST REPORT

VIBRANT

Sample Number: VTL/S/01

Name & Address of the Party : M/S JK Cement Works
(Unit of JK Cement Ltd.) Vill. & PO. - Gotan Dist -
Nagaur, Rajasthan

Report No. : VTL/S/2403210017
Format No : 7.8 F-03
Party Reference No : NIL
Report Date : 29/03/2024
Period of Analysis : 21/03/2024-29/03/2024
Receipt Date : 21/03/2024

Sample Description : Stack Emission Monitoring

General Information:-

Sampling Location : DG Set 350 KVA
Sample Collected By : VTL Team
Date of Sampling : 16/03/2024
Sampling duration (Minutes) : 20 Min. (16:30 to 16:50 Hrs.)
Stack attached to : Acoustic Encloser
Make of stack : MS
Diameter of stack(m) : 0.15 M
Height of stack(m) : 30 M
Instrument calibration status : Calibrated
Meteorological Condition : Clear Sky
Ambient Temperature - Ta (°C) : 32
Temperature of Stack Gases - Ts (°C) : 99
Velocity of Stack Gases (m/sec.) : 14.10
Flow rate of PM (LPM) : 51
Flow rate of Gas (LPM) : -
Sampling condition : OK
Protocol used : IS 11255 & USEPA
Coordinates : 73°43'41" & 26°38'31"

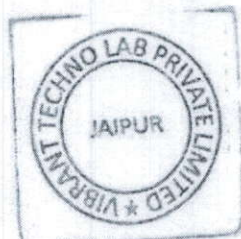
S.No.	Parameters	Test Method	Results	Units	Limits
1	Particulate Matter (PM) (gm/kw-hr)	IS: 11255 (P-1) : 1985, RA 2019	0.01147(gm/K W-hr)	gm/kw-hr	0.02
2	Oxide of Nitrogen (NOX) (gm/kw-hr)	IS 11255 (P- 7) 2005; RA 2017	0.22	gm/kw-hr	<4.0**
3	Total Hydrocarbon (HC) (gm/kw-hr)	USEPA 18: 1996	0.13	gm/kw-hr	**
4	Sulphur Dioxide (SO2) (gm/kw-hr)	IS: 11255(P-2): 1985, RA 2019	4.76	gm/kw-hr	Not Specified
5	Carbon Monoxide (CO) (gm/kw-hr)	USEPA 10: 1996	1.22	gm/kw-hr	<3.5

*BLQ= Below Limit Of Quantification, **LOQ= Limit Of Quantification

End of Report



Checked by



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Lab Incharge
Authorized Signatory

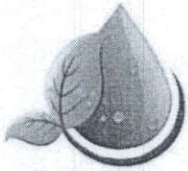
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TEST REPORT

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Sample Number: VTL/S/02

Name & Address of the Party : M/S JK Cement Works
(Unit of JK Cement Ltd.) Vill. & PO. - Gotan Dist -
Nagaur, Rajasthan

Report No. : VTL/S/2403210018
Format No : 7.8 F-03
Party Reference No : NIL
Report Date : 29/03/2024
Period of Analysis : 21/03/2024-29/03/2024
Receipt Date : 21/03/2024

Sample Description : Stack Emission Monitoring

General Information:-
Sampling Location : Ready Mix Mortar
Sample Collected By : VTL Team
Date of Sampling : 16/03/2024
Sampling duration (Minutes) : 23 Min. (17:30 to 17:53 Hrs.)
Stack attached to : Bag House
Make of stack : MS
Diameter of stack(m) : 0.75 M
Height of stack(m) : 30 M
Instrument calibration status : Calibrated
Meteorological Condition : Clear Sky
Ambient Temperature - Ta (°C) : 32
Temperature of Stack Gases - Ts (°C) : 48
Velocity of Stack Gases (m/sec.) : 11.15
Flow rate of PM (LPM) : 44
Flow rate of Gas (LPM) : -
Sampling condition : OK
Protocol used : IS 11255 & USEPA
Coordinates : --

S.No.	Parameters	Test Method	Results	Units	Limits
1	Particulate Matter (PM)	IS: 11255 (P-1) : 1985, RA 2019	16.10	mg/Nm3	30

*BLQ= Below Limit Of Quantification, **LOQ= Limit Of Quantification

End of Report

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TEST REPORT



Sample Number: VTL/AA/19-22
 Name & Address of the Party: M/s JK Cement Works (Unit of JK Cement Ltd.) Vill. & Po.- Gotan, Dist.-Nagaur, Rajasthan

Report No.: VTL/A/2403210019-22/A
 Format No.: 7.8 F 02
 Party Reference No.: NIL
 Report Date: 24/03/2024
 Period of Analysis: 21-24/03/2024
 Receipt Date: 21/03/2024

Sample Description : Ambient Air Quality Monitoring

General Information:-

- Sample collected by : VTL Team
- Instrument Calibration Status : Calibrated
- Meteorological condition during monitoring : Clear sky
- Date of Sampling : 15/03/2024 to 16/03/2024
- Ambient Temperature (°C) : Min. 15°C, Max. 32°C
- Surrounding Activity : Human, Vehicular & Plant Activities
- Scope of Monitoring : Regulatory Requirement
- Sampling & Analysis Protocol : IS-5182 & CPCB Guidelines
- Sampling Duration : 24 hrs.
- Parameter Required : As Per Work Order

Sr.	Parameter	Protocol	Location & Lat. Long				Unit	NAAQS 2009
			Front of Pump house	Front of Weight Bridge	Front of Crusher MCC Room	Bechelor Hostel		
			73°49'36"E 26°38'49"N	73°43'46"E 26°38'46"N	73°43'50"E 26°38'36"N	73°43'41"E 26°38'31"N		
1.	Particulate Matter (PM10)	IS: 5182 (P-23), 2006, RA 2017	57.39	61.14	60.98	59.87	µg/m ³	100
2.	Particulate Matter (PM2.5)	IS 5182 (P-24) - 2019	31.47	33.27	30.54	29.18	µg/m ³	60
3.	Sulphur Dioxide (SO2)	IS: 5182 (P-2), 2001, RA 2018	7.89	10.78	7.11	6.94	µg/m ³	80
4.	Nitrogen Dioxide (NO2)	IS: 5182 (P-6), 2006 RA 2018	13.56	19.66	14.84	14.21	µg/m ³	80
5.	Benzene (as C6H6)	IS: 5182 (P-11)- 2006, RA.2017	*BLQ(**LOQ1.0)	*BLQ(**LOQ1.0)	*BLQ(**LOQ1.0)	*BLQ(**LOQ1.0)	µg/m ³	5
6.	Ammonia (as NH3)	3 rd Ed. 1988, Method No. 401	6.89	8.39	6.24	6.13	µg/m ³	400
7.	Ozone (as O3)	IS:5182 (P-9):1974, RA.2019	11.36	13.44	11.07	12.27	µg/m ³	180
8.	Lead (as pb)	IS:5182 (P-22):2004, RA.2019	*BLQ(**LOQ0.02)	*BLQ(**LOQ0.02)	*BLQ(**LOQ0.02)	*BLQ(**LOQ0.02)	µg/m ³	1
9.	Arsenic (as As)	3 rd Ed. 1988, Method No. 302	*BLQ(**LOQ0.15)	*BLQ(**LOQ0.15)	*BLQ(**LOQ0.15)	*BLQ(**LOQ0.15)	ng/m ³	6
10.	Nickel (as Ni)	USEPA Compendium IO-3.2, 1999	*BLQ(**LOQ5.0)	*BLQ(**LOQ5.0)	*BLQ(**LOQ5.0)	*BLQ(**LOQ5.0)	ng/m ³	20
11.	Benzo (a) Pyrene	IS:5182 (P-12):2004, RA.2019	*BLQ(**LOQ0.2)	*BLQ(**LOQ0.2)	*BLQ(**LOQ0.2)	*BLQ(**LOQ0.2)	ng/m ³	1

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TEST REPORT

Sample Number:
Name & Address of the Party

VTL/AA/19-22
M/s JK Cement Works
(Unit of JK Cement Ltd.) Vill. & Po.- Gotan,
Dist.-Nagaur, Rajasthan

Report No.: VTL/A/2403210019-22/B
Format No.: 7.8 F 02
Party Reference No.: NIL
Report Date: 24/03/2024
Period of Analysis: 21-24/03/2024
Receipt Date: 21/03/2024

Sample Description : Ambient Air Quality Monitoring

General Information:-

Sample collected by : VTL Team
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear sky
Date of Sampling : 15/03/2024 to 16/03/2024
Ambient Temperature (°C) : Min. 15°C, Max. 32 °C
Surrounding Activity : Human, Vehicular & Plant Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS-5182 & CPCB Guidelines
Sampling Duration : 24 hrs.
Parameter Required : As Per Work Order

Sr.	Parameter	Protocol	Location & Lat. Long				Unit	NAAQS 2009
			Front of Pump house	Front of Weight Bridge	Front of Crusher MCC Room	Bechelor Hostel		
1.	Carbon Monoxide (as CO)	Lab SOP no. VTL/STP/02:2022, STP-08	73°49'36"E 26°38'49"N 0.53	73°43'46"E 26°38'46"N 0.57	73°43'50"E 26°38'36"N 0.51	73°43'41"E 26°38'31"N 0.48	mg/m ³	4

-----End of the Report-----



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TEST REPORT



TC-11227

Sample Number:	VTL/AN/19-22	Report No.:	VTL/N/2403210019-22/A
Name & Address of the Party:	M/s JK Cement Works (Unit of JK Cement Ltd.) Vill. & Po.- Gotan, Dist.-Nagaur, Rajasthan	Format No.:	7.8 F 04
Sample Description:	Ambient Noise Level Monitoring	Party Reference No.:	NIL
Scope of Monitoring	Regulatory Requirement	Report Date:	24/03/2024
Protocol Used:	IS 9989	Receipt Date:	21/03/2024
Instrument Used:	SLM	Sampling Duration	24 Hrs.
		Sample Collected by	VTL Team
		Instrument	
		Calibration Status	Calibrated

Ambient Noise Level Monitoring Results

General Information:-

Meteorological condition during monitoring : Clear sky
 Date of Monitoring : 15/03/2024 to 16/03/2024
 Time of Monitoring : 06:00 AM to 06:00AM
 Ambient Temperature (°C) : Min. 15°C, Max. 32 °C
 Surrounding Activity : Human, Vehicular & Plant Activities
 Parameter Required : As per Work Order

Sr.	Test Parameter	Protocol	Location & Latlong							
			Front of Pump house		Front of Weight Bridge		Front of Crusher MCC Room		Bechelor Hostel	
			73°49'36"E 26°38'49"N		73°43'46"E 26°38'46"N		73°43'50"E 26°38'36"N		73°43'41"E 26°38'31"N	
1.	Leq, dB(A)	IS:9989-1981, RA 2020	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time
			58.7	47.4	60.9	49.8	62.5	50.2	49.3	40.1

Category of Zones	Leq in dB (A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.
 2. Night Time is reckoned between 10.00 PM to 6.00 AM.
 3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeakers and bursting of crackers is banned in these zones.
 Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

-----End of the Report-----

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TEST REPORT



TC-11227

Sample Number:	VTL/AA/19-22	Report No.:	VTL/A/2312250019-22/A
Name & Address of the Party	M/s JK Cement Works (Unit of JK Cement Ltd.) Vill. & Po.- Gotan, Dist.-Nagaur, Rajasthan	Format No.:	7.8 F 02
		Party Reference No.:	NIL
		Report Date:	28/12/2023
Sample Description :	Ambient Air Quality Monitoring	Period of Analysis:	25-28/12/2023
		Receipt Date	25/12/2023

General Information:-

Sample collected by	: VTL Team
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear sky
Date of Sampling	: 20/12/2023 to 21/12/2023
Ambient Temperature (°C)	: Min. 12°C, Max. 28°C
Surrounding Activity	: Human , Vehicular & Plant Activities
Scope of Monitoring	: Regulatory Requirement
Sampling & Analysis Protocol	: IS-5182 & CPCB Guidelines
Sampling Duration	: 24 hrs.
Parameter Required	: As Per Work Order

Sr.	Parameter	Protocol	Location & Lat. Long				Unit	NAAQS 2009
			Front of Pump house	Front of Weight Bridge	Front of Crusher MCC Room	Bechelor Hostel		
			73°49'36"E 26°38'49"N	73°43'46"E 26°38'46"N	73°43'50"E 26°38'36"N	73°43'41"E 26°38'31"N		
1.	Particulate Matter (PM10)	IS: 5182 (P-23), 2006, RA 2017	61.54	64.95	63.89	62.74	µg/m ³	100
2.	Particulate Matter (PM2.5)	IS 5182 (P-24) -2019	33.67	35.45	32.61	31.02	µg/m ³	60
3.	Sulphur Dioxide (SO2)	IS: 5182 (P-2), 2001, RA 2018	8.94	11.89	8.01	7.85	µg/m ³	80
4.	Nitrogen Dioxide (NO2)	IS: 5182 (P-6), 2006 RA 2018	14.65	20.56	15.78	15.03	µg/m ³	80
5.	Benzene (as C6H6)	IS: 5182 (P-11)-2006, RA.2017	*BLQ(**LOQ1.0)	*BLQ(**LOQ1.0)	*BLQ(**LOQ1.0)	*BLQ(**LOQ1.0)	µg/m ³	5
6.	Ammonia (as NH3)	3 rd Ed. 1988, Method No. 401	7.98	9.26	7.22	7.65	µg/m ³	400
7.	Ozone (as O3)	IS:5182 (P-9):1974, RA.2019	12.21	14.56	12.02	13.52	µg/m ³	180
8.	Lead (as pb)	IS:5182 (P-22):2004, RA.2019	*BLQ(**LOQ0.02)	*BLQ(**LOQ0.02)	*BLQ(**LOQ0.02)	*BLQ(**LOQ0.02)	µg/m ³	1
9.	Arsenic (as As)	3 rd Ed. 1988, Method No. 302	*BLQ(**LOQ0.15)	*BLQ(**LOQ0.15)	*BLQ(**LOQ0.15)	*BLQ(**LOQ0.15)	ng/m ³	6
10.	Nickel (as Ni)	USEPA Compendium IO-3.2, 1999	*BLQ(**LOQ5.0)	*BLQ(**LOQ5.0)	*BLQ(**LOQ5.0)	*BLQ(**LOQ5.0)	ng/m ³	20
11.	Benzo (a) Pyrene	IS:5182 (P-12):2004, RA.2019	*BLQ(**LOQ0.2)	*BLQ(**LOQ0.2)	*BLQ(**LOQ0.2)	*BLQ(**LOQ0.2)	ng/m ³	1

-----End of the Report-----

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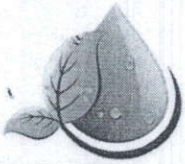
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TEST REPORT

Sample Number: VTL/AA/19-22 Report No.: VTL/A/2312250019-22/B
 Name & Address of the Party: M/s JK Cement Works (Unit of JK Cement Ltd.) Vill. & Po.- Gotan, Dist.-Nagaur, Rajasthan Format No.: 7.8 F 02
 Party Reference No.: NIL
 Report Date: 28/12/2023
 Sample Description: Ambient Air Quality Monitoring Period of Analysis: 25-28/12/2023
 Receipt Date: 25/12/2023

General Information:-
 Sample collected by : VTL Team
 Instrument Calibration Status : Calibrated
 Meteorological condition during monitoring : Clear sky
 Date of Sampling : 20/12/2023 to 21/12/2023
 Ambient Temperature (°C) : Min. 12°C, Max. 28 °C
 Surrounding Activity : Human , Vehicular & Plant Activities
 Scope of Monitoring : Regulatory Requirement
 Sampling & Analysis Protocol : IS-5182 & CPCB Guidelines
 Sampling Duration : 24 hrs.
 Parameter Required : As Per Work Order

Sr.	Parameter	Protocol	Location & Lat. Long				Unit	NAAQS 2009
			Front of Pump house	Front of Weight Bridge	Front of Crusher MCC Room	Bechelor Hostel		
			73°49'36"E 26°38'49"N	73°43'46"E 26°38'46"N	73°43'50"E 26°38'36"N	73°43'41"E 26°38'31"N		
1.	Carbon Monoxide (as CO)	Lab SOP no. VTL/STP/02:2022, STP-08	0.56	0.59	0.51	0.49	mg/m ³	4

-----End of the Report-----

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Sample Number: VTL/AN/01-04
 Name & Address of the Party: M/s JK Cement Works
 (Unit of JK Cement Ltd.) Vill. & Po.- Gotan,
 Dist.-Nagaur, Rajasthan
 Sample Description: Ambient Noise Level Monitoring
 Scope of Monitoring: Regulatory Requirement
 Protocol Used: IS 9989
 Instrument Used: SLM

Report No.: VTL/N/2306150005-08
 Format No.: 7.8 F 04
 Party Reference No.: NIL
 Report Date: 21/06/2023
 Receipt Date: 15/06/2023
 Sampling Duration: 24 Hrs.
 Sample Collected by: VTL Team
 Instrument Calibration Status: Calibrated

Ambient Noise Level Monitoring Results

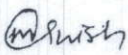
General Information:-
 Meteorological condition during monitoring : Clear sky
 Date of Monitoring : 11/06/2023 to 12/06/2023
 Time of Monitoring : 06:00 AM to 06:00AM
 Ambient Temperature (°C) : Min. 28°C, Max. 41 °C
 Surrounding Activity : Human, Vehicular & Plant Activities
 Parameter Required : As per Work Order

Sr.	Test Parameter	Protocol	Location & Latlong							
			Front of Pump house		Front of Weight Bridge		Front of Crusher MCC Room		Bechelor Hostel	
			73°49'36"E 26°38'49"N	Day Time Night Time	73°43'46"E 26°38'46"N	Day Time Night Time	73°43'50"E 26°38'36"N	Day Time Night Time	73°43'41"E 26°38'31"N	Day Time Night Time
1.	Leq, dB(A)	IS:9989-1981, RA 2020	63.3	52.9	61.4	50.7	66.5	53.2	52.4	42.9

Category of Zones	Leq in dB (A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.
 2. Night Time is reckoned between 10.00 PM to 6.00 AM.
 3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeakers and bursting of crackers is banned in these zones.
 Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

-----End of the Report-----


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Sample Number : VTLWWW/01

M/S JK Cement Works
(Unit of JK Cement Ltd.) Vill. & PO. - Gotan Dist -
Nagaur, Rajasthan

Report No. : VTLWWW/2306150003/A

Format No : 7.8 F-01

Party Reference No : NIL

Name & Address of the Party :

Report Date : 21/06/2023

Sample Description : Waste Water

Period of Analysis : 15/06/2023-21/06/2023

Sampling Location : STP Outlet (STP Treated Water) 300 KLD STP

Receipt Date : 15/06/2023

Sample Collected By : VTL Team, 73°43'22" N & 26°38'28"E

Sampling Date : 13/06/2023

Parameter Required : As per work order

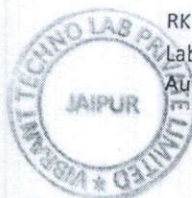
S.No.	Test Parameters	Test Method	Result	Unit	Limits
1	pH	IS: 3025 (P-11): 2022	7.96	-	5.5 to 9.0
2	Total Suspended Solids (TSS)	IS: 3025 (P-17): 2022	18.10	mg/l	100
3	Temperature	IS: 3025 (P-9): 1984, RA 2017	2.3	°C	Shall not exceed 5°C above the receiving water temperature
4	Oil & Grease	IS:3025 (P-39): 2021	*BLQ(**LOQ-4.0)	mg/l	10
5	Ammonical Nitrogen (as NH ₃ -N)	IS: 3025 (P-34) : 1988, Sec.4 RA: 2022	8.25	mg/l	50
6	Total Kjeldahl Nitrogen (as NH ₃)	IS: 3025 (P-34): 1988, RA 2022 (Macro Kjeldahl Method)	15.43	mg/l	100
7	Biochemical Oxygen Demand (BOD) (3 days @ 27°C)	IS: 3025 (P-44): 1993, RA: 2019	21.00	mg/l	30
8	Chemical oxygen Demand (COD)	IS : 3025 (P-58) : 2006 RA: 2017	110.16	mg/l	250
9	Sulphide (as S)	IS: 3025 (P-29) :1986 Idometric, RA :2019	0.48	mg/l	2
10	Residual Free Chlorine	IS: 3025 (P-26):2021	0.85	mg/l	1.0

*BLQ-Below Limit OF Quantification, **LOQ- Limit Of Detection

End of Report



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TEST REPORT

Sample Number : VTL/WW/01

M/S JK Cement Works
(Unit of JK Cement Ltd.) Vill. & PO. - Gotan Dist -
Nagaur, Rajasthan

Report No. : VTL/WW/2306150003/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 21/06/2023
Period of Analysis : 15/06/2023-21/06/2023
Receipt Date : 15/06/2023
Sampling Date : 13/06/2023
Parameter Required : As per work order

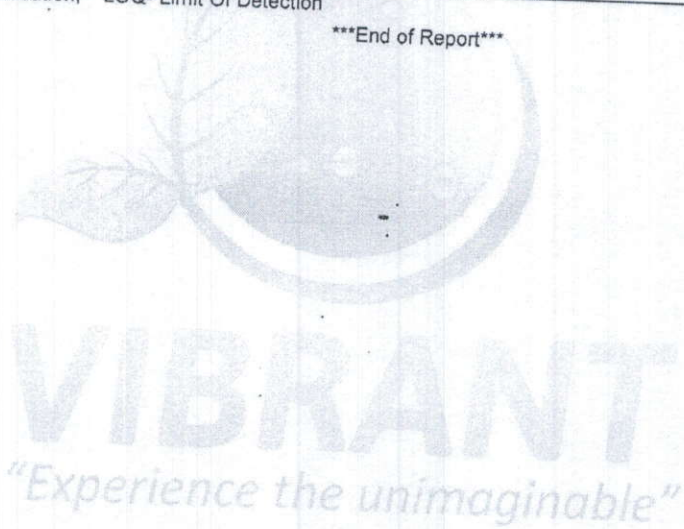
Name & Address of the Party :

Sample Description : Waste Water
Sampling Location : STP Outlet (STP Treated Water) 300 KLD STP
Sample Collected By : VTL Team, 73°43'22" N & 26°38'28"E

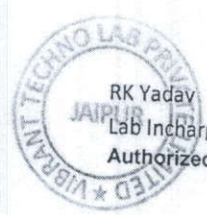
S.No.	Test Parameters	Test Method	Result	Unit	Limits
1	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA. 2019	855.20	mg/l	--
2	Fecal Coliform	IS 1622, 2009	Absent		---

*BLQ-Below Limit OF Quantification, **LOQ- Limit Of Detection

End of Report



Checked by



RK Yadav
Lab Incharge
Authorized Signatory

Approved & Certified EPA 1986 Recognized, ISO:9001 and OHSAS:45001 Certified

Vibrant Techno Lab Pvt. Ltd.

SC-40, 3rd Floor, Narayan Vihar S, Ajmer Road, Jaipur Raj. 302020
9929108691, 9810205356, 8005707098, 9549956601

0141-2954638
bd@vibranttechnolab.com
www.vibranttechnolab.com

Term & conditions PTO

Sample Number : VTL/S/01
Name & Address of the Party : M/S JK Cement Works
(Unit of JK Cement Ltd.) Vill. & PO. - Gotan Dist -
Nagaur, Rajasthan

Report No. : VTL/S/2306150016/A
Format No : 7.8 F-03
Party Reference No : NIL
Report Date : 21/06/2023
Period of Analysis : 15/06/2023-21/06/2023
Receipt Date : 15/06/2023

Sample Description : Stack Emission Monitoring

General Information:-
Sampling Location : Ready Mix Mortar
Sample Collected By : VTL Team
Date of Sampling : 11/06/2023
Sampling duration (Minutes) : 54 Min. (10:00 to 10:54 Hrs.)
Stack attached to : Bag House
Make of stack : MS
Diameter of stack(m) : 0.75 M
Height of stack(m) : 30 M
Instrument calibration status : Calibrated
Meteorological Condition : Clear Sky
Ambient Temperature - Ta (°C) : 32
Temperature of Stack Gases - Ts (°C) : 48
Velocity of Stack Gases (m/sec.) : 10.41
Flow rate of PM (LPM) : 19
Flow rate of Gas (LPM) : --
Sampling condition : OK
Protocol used : IS 11255 & USEPA

S.No.	Parameters	Test Method	Results	Units	Limits
1	Particulate Matter (PM)	IS: 11255 (P-1) : 1985, RA 2019	19.33	mg/Nm3	30

*BLQ= Below Limit Of Quantification, **LOQ= Limit Of Quantification

"Experience the unimaginable" ***End of Report***



Checked by



Lab Incharge
Authorized Signatory



Sample Number : VTL/S/02
Name & Address of the Party : M/S JK Cement Works
(Unit of JK Cement Ltd.) Vill. & PO. - Gotan Dist -
Nagaur, Rajasthan

Report No. : VTL/S/2306150017/A
Format No : 7.8 F-03
Party Reference No : NIL
Report Date : 21/06/2023
Period of Analysis : 15/06/2023-21/06/2023
Receipt Date : 15/06/2023

Sample Description : Stack Emission Monitoring

General Information:-
Sampling Location : DG Set 350 KVA
Sample Collected By : VTL Team
Date of Sampling : 11/06/2023
Sampling duration (Minutes) : 48 Min. (11:00 to 11:48 Hrs.)
Stack attached to : Acoustic Encloser
Make of stack : Iron
Diameter of stack(m) : 0.15 M
Height of stack(m) : 30 M
Instrument calibration status : Calibrated
Meteorological Condition : Clear Sky
Ambient Temperature - Ta (°C) : 32
Temperature of Stack Gases - Ts (°C) : 105
Velocity of Stack Gases (m/sec.) : 13.65
Flow rate of PM (LPM) : 21
Flow rate of Gas (LPM) : --
Sampling condition : OK
Protocol used : IS 11255 & USEPA

S.No.	Parameters	Test Method	Results	Units	Limits
1	Particulate Matter (PM)	IS: 11255 (P-1) : 1985, RA 2019	0.12	gm/kw-hr	<0.2
2	Oxide of Nitrogen (NOX)	IS 11255 (P- 7) 2005; RA 2017	1.45	gm/kw-hr	<4.0**
3	Total Hydrocarbon (HC)	USEPA 18: 1996	0.59	gm/kw-hr	**
4	Sulphur Dioxide (SO2)	IS: 11255(P-2): 1985, RA 2019	5.36	gm/kw-hr	Not Specified
5	Carbon Monoxide (CO)	USEPA 10: 1996	1.01	gm/kw-hr	<3.5

*BLQ= Below Limit Of Quantification, **LOQ= Limit Of Quantification

End of Report



Checked by



RK Yadav
Lab Incharge
Authorized Signatory



Page No. 1/1

Approved & Certified EPA 1986 Recognized, ISO:9001 and OHSAS:45001 Certified

Vibrant Techno Lab Pvt. Ltd.

SC-40, 3rd Floor, Narayan Vihar S, Ajmer Road, Jaipur Raj. 302020
9929108691, 9810205356, 8005707098, 9549956601

0141-2954638
bd@vibranttechnolab.com
www.vibranttechnolab.com

STACK MONITORING REPORT
MONTH: OCT-2023

S. No	Stack mark	Stack attached to	Stack DIA (in mm)	Stack Height From G.L. (mtrs.)	No. of Samples	Operating conditions	Temp. of Gases °c	Velocity (m/sec)	Volume of Gas in Stack (Nm ³ /Min)	PM (Mg/Nm ³)	Raw Mill/ Kiln SO _x (mg/Nm ³)	Raw Mill/ Kiln NO _x (mg/Nm ³)		
1	A	Limestone Crusher	700	30	1	All readings were taken under normal operating conditions	40	10.7	235.61	16.1	29.49	373.72		
2	B	Raw Mill/Kiln	2600	80	1		128	12.5	2950.251	18.9				
3	C	Grate Cooler	2200	30	1		112	11.1	1955.758	12.2				
4	D	Cement Mill/ Packing	900	30	1		Plant Under Shutdown							
5	E	Cement Mill/ (Belt)	900	30	1		Plant Under Shutdown							
6	F	Petro Coke Mill	850	31	1		48	11.3	357.02	4.8				
7	G	Flyash Handling	588	32	1		Plant Under Shutdown							

STACK MONITORING REPORT
MONTH: NOV-2023

S. No	Stack mark	Stack attached to	Stack DIA (in mm)	Stack Height From G.L. (mtrs.)	No. of Samples	Operating conditions	Temp. of Gases °c	Velocity (m/sec)	Volume of Gas in Stack (Nm ³ /Min)	PM (Mg/Nm ³)	Raw Mill/ Kiln SO _x (mg/Nm ³)	Raw Mill/ Kiln NO _x (mg/Nm ³)		
1	A	Limestone Crusher	700	30	1	All readings were taken under normal operating conditions	45	10.8	233.75	17.8	17.35	324.44		
2	B	Raw Mill/Kiln	2600	80	1		132	12.2	2858.20	21.2				
3	C	Grate Cooler	2200	30	1		115	11.0	1923.31	14.1				
4	D	Cement Mill/ Packing	900	30	1		Plant Under Shutdown							
5	E	Cement Mill/ (Belt)	900	30	1		Plant Under Shutdown							
6	F	Petro Coke Mill	850	31	1		57	11.9	365.40	11.8				
7	G	Ready Mix Mortar Plant	750	30	1		50	10.1	246.49	16.4				
8	H	Flyash Handling	588	32	1	Plant Under Shutdown								

STACK MONITORING REPORT
MONTH: DEC-2023

S. No	Stack mark	Stack attached to	Stack DIA (in mm)	Stack Height From G.L. (mtrs.)	No. of Samples	Operating conditions	Temp. of Gases °c	Velocity (m/sec)	Volume of Gas in Stack (Nm ³ /Min)	PM (Mg/Nm ³)	Raw Mill/ Kiln SO _x (mg/Nm ³)	Raw Mill/ Kiln NO _x (mg/Nm ³)		
1	A	Limestone Crusher	700	30	1	All readings were taken under normal operating conditions	46	10.1	217.57	14.7	62.40	236.51		
2	B	Raw Mill/Kiln	2600	80	1		136	12.1	2796.82	15.9				
3	C	Grate Cooler	2200	30	1		117	11.4	1979.59	16.7				
4	D	Cement Mill/ Packing	900	30	1		Plant Under Shutdown							
5	E	Cement Mill/ (Belt)	900	30	1		Plant Under Shutdown							
6	F	Petro Coke Mill	850	31	1		59	11.7	356.79	7.6				
7	G	Ready Mix Mortar Plant	750	30	1		52	10.5	255.75	16.5				
8	H	Flyash Handling	588	32	1	Plant Under Shutdown								



STACK MONITORING REPORT												
MONTH: JAN-2024												
S. No	Stack mark	Stack attached to	Stack DIA (in mm)	Stack Height. From G.L. (mtrs.)	No. of Samples	Operating conditions	Temp. of Gases °c	Velocity (m/sec)	Volume of Gas in Stack (Nm ³ /Min)	PM (Mg/Nm ³)	Raw Mill/ Kiln SO _x (mg/Nm ³)	Raw Mill/ Kiln NO _x (mg/Nm ³)
1	A	Limestone Crusher	700	30	1	All readings were taken under normal operating conditions	46	10.952	271.0573	15.3	Plant Under Shutdown	Plant Under Shutdown
2	B	Raw Mill/Kiln	2600	80	1							
3	C	Grate Cooler	2200	30	1							
4	D	Cement Mill/ Packing	900	30	1							
5	E	Cement Mill/ (Belt)	900	30	1							
6	F	Petro Coke Mill	850	31	1							
7	G	Ready Mix Mortar Plant	750	30	1							
8	H	Flyash Handling	588	32	1							

STACK MONITORING REPORT												
MONTH: FEB-2024												
S. No	Stack mark	Stack attached to	Stack DIA (in mm)	Stack Height. From G.L. (mtrs.)	No. of Samples	Operating conditions	Temp. of Gases °c	Velocity (m/sec)	Volume of Gas in Stack (Nm ³ /Min)	PM (Mg/Nm ³)	Raw Mill/ Kiln SO _x (mg/Nm ³)	Raw Mill/ Kiln NO _x (mg/Nm ³)
1	A	Limestone Crusher	700	30	1	All readings were taken under normal operating conditions	40	10.13	255.56	13.45	Plant Under Shutdown	Plant Under Shutdown
2	B	Raw Mill/Kiln	2600	80	1							
3	C	Grate Cooler	2200	30	1							
4	D	Cement Mill/ Packing	900	30	1							
5	E	Cement Mill/ (Belt)	900	30	1							
6	F	Petro Coke Mill	850	31	1							
7	G	Ready Mix Mortar Plant	750	30	1							
8	H	Flyash Handling	588	32	1							

STACK MONITORING REPORT												
MONTH: MAR-2024												
S. No	Stack mark	Stack attached to	Stack DIA (in mm)	Stack Height. From G.L. (mtrs.)	No. of Samples	Operating conditions	Temp. of Gases °c	Velocity (m/sec)	Volume of Gas in Stack (Nm ³ /Min)	PM (Mg/Nm ³)	Raw Mill/ Kiln SO _x (mg/Nm ³)	Raw Mill/ Kiln NO _x (mg/Nm ³)
1	A	Limestone Crusher	700	30	1	All readings were taken under normal operating conditions	38	9.62	244.15	12.8	Plant Under Shutdown	Plant Under Shutdown
2	B	Raw Mill/Kiln	2600	80	1							
3	C	Grate Cooler	2200	30	1							
4	D	Cement Mill/ Packing	900	30	1							
5	E	Cement Mill/ (Belt)	900	30	1							
6	F	Petro Coke Mill	850	31	1							
7	G	Ready Mix Mortar Plant	750	30	1							
8	H	Flyash Handling	588	32	1							



Ambient Noise Level Measurement Record (in dB (A))

Date: 31/10/2023

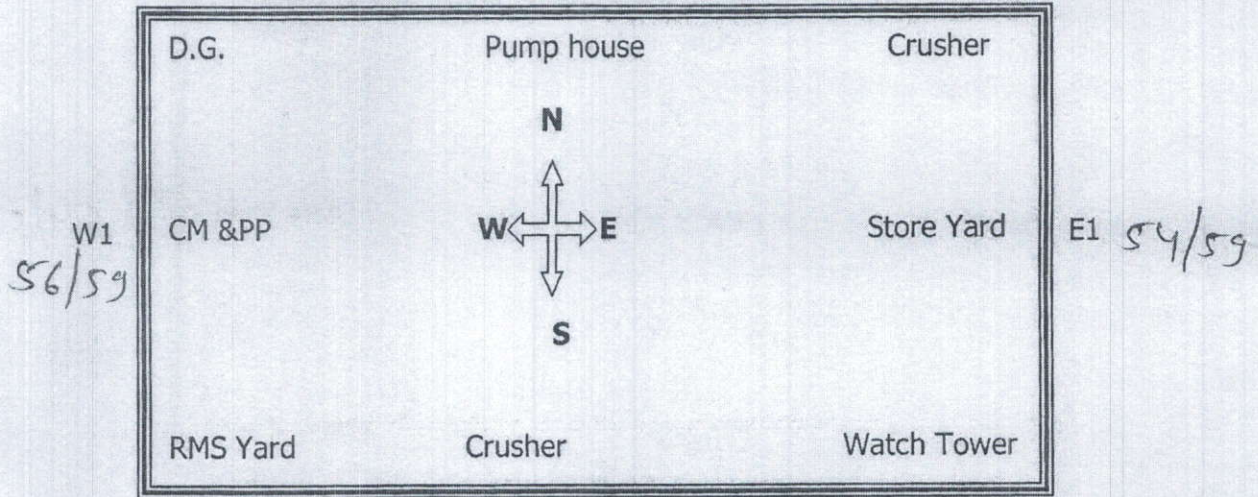
Time: 8.45

Day/ Night:

N3 51/55

N2 62/64

N1 58/62



CRUSHER	: OPERATING/ NOT OPERATING
RAW MILL	: OPERATING/ NOT OPERATING
KILN	: OPERATING/ NOT OPERATING
CEMENT MILL	: OPERATING/ NOT OPERATING.
PACKING PLANT	: OPERATING/ NOT OPERATING
D. G.	: OPERATING/ NOT OPERATING
COMPRESSOR	: OPERATING/ NOT OPERATING
PET- COKE MILL	: OPERATING/ NOT OPERATING
Ready Mix Mortar	: OPERATING/ NOT OPERATING

REMARKS IF ANY:

MEASURED BY: *T. J. King*

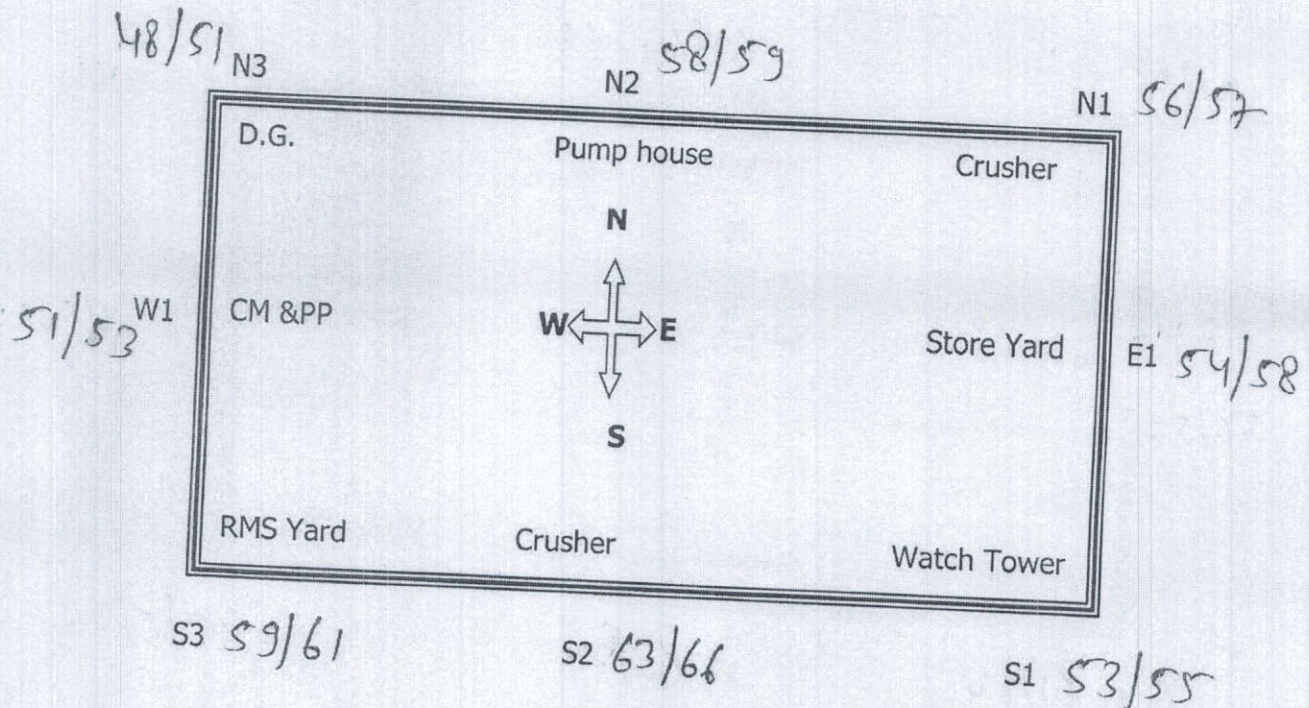


Ambient Noise Level Measurement Record (in dB (A))

Date: 31/10/2023

Time: 12.50

Day/ Night:



CRUSHER	: OPERATING/ NOT OPERATING
RAW MILL	: OPERATING/ NOT OPERATING
KILN	: OPERATING/ NOT OPERATING
CEMENT MILL	: OPERATING/ NOT OPERATING.
PACKING PLANT	: OPERATING/ NOT OPERATING
D. G.	: OPERATING/ NOT OPERATING
COMPRESSOR	: OPERATING/ NOT OPERATING
PET- COKE MILL	: OPERATING/ NOT OPERATING
Ready Mix Mortar	: OPERATING/ NOT OPERATING

Leq 59.3

REMARKS IF ANY:

MEASURED BY: *[Signature]*



Ambient Noise Level Measurement Record (in dB (A))

Date: 28/11/2023

Time: 8.42

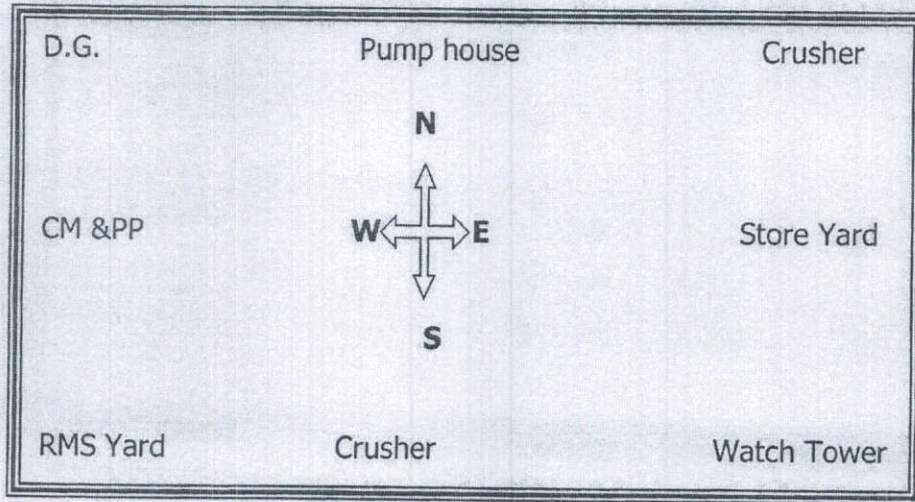
Day/ Night:

56/59
N3

57/62
N2

N1 66/69

58/61 W1



E1 62/65

S3 60/62

S2 69/71


S1 68/72

- CRUSHER : OPERATING/ NOT OPERATING
- RAW MILL : OPERATING/ NOT OPERATING
- KILN : OPERATING/ NOT OPERATING
- CEMENT MILL : OPERATING/ NOT OPERATING.
- PACKING PLANT : OPERATING/ NOT OPERATING
- D. G. : OPERATING/ NOT OPERATING
- COMPRESSOR : OPERATING/ NOT OPERATING
- PET- COKE MILL : OPERATING/ NOT OPERATING
- Ready Mix Mortar : OPERATING/ NOT OPERATING

Leq¹⁰ 60.4

REMARKS IF ANY:

MEASURED BY: 

SIGNATURE: 

Ambient Noise Level Measurement Record (in dB (A))

Date: 28/11/2023

Time: 10.50

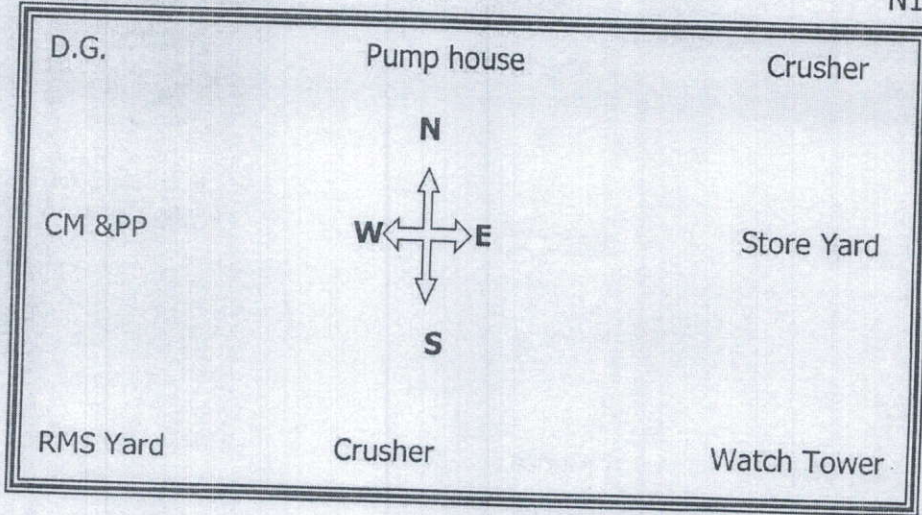
Day/ Night:

60/64
N3

59/66
N2

N1 60/66

54/57
W1



S3 55/62

S2 68/70

S1 59/63

CRUSHER	: OPERATING/ NOT OPERATING
RAW MILL	: OPERATING/ NOT OPERATING
KILN	: OPERATING/ NOT OPERATING
CEMENT MILL	: OPERATING/ NOT OPERATING.
PACKING PLANT	: OPERATING/ NOT OPERATING
D. G.	: OPERATING/ NOT OPERATING
COMPRESSOR	: OPERATING/ NOT OPERATING
PET- COKE MILL	: OPERATING/ NOT OPERATING
Ready Mix Mortar	: OPERATING/ NOT OPERATING

Leg. 59.4

REMARKS IF ANY:

T. Princy

MEASURED BY:



Ambient Noise Level Measurement Record (in dB (A))

Date: 26/12/2023

Time: 9.40

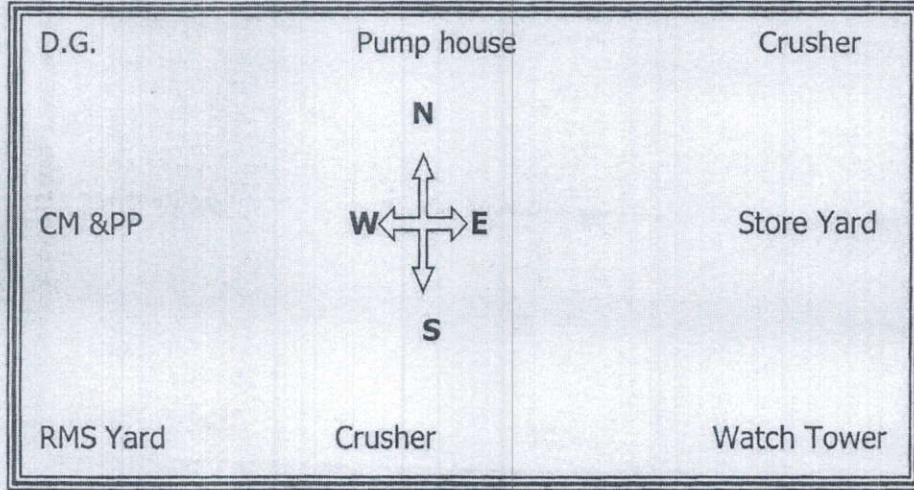
Day/ Night:

N3 55/60

N2 60/62

N1 52/55

60/62 W1



- CRUSHER : OPERATING/ ~~NOT~~ OPERATING
- RAW MILL : OPERATING/ ~~NOT~~ OPERATING
- KILN : OPERATING/ ~~NOT~~ OPERATING
- CEMENT MILL : OPERATING/ ~~NOT~~ OPERATING.
- PACKING PLANT : OPERATING/ ~~NOT~~ OPERATING
- D. G. : OPERATING/ ~~NOT~~ OPERATING
- COMPRESSOR : OPERATING/ ~~NOT~~ OPERATING
- PET- COKE MILL : OPERATING/ ~~NOT~~ OPERATING
- Ready Mix Mortar : OPERATING/ NOT OPERATING

leg. 50.4

REMARKS IF ANY:

MEASURED BY: *T. Jay*

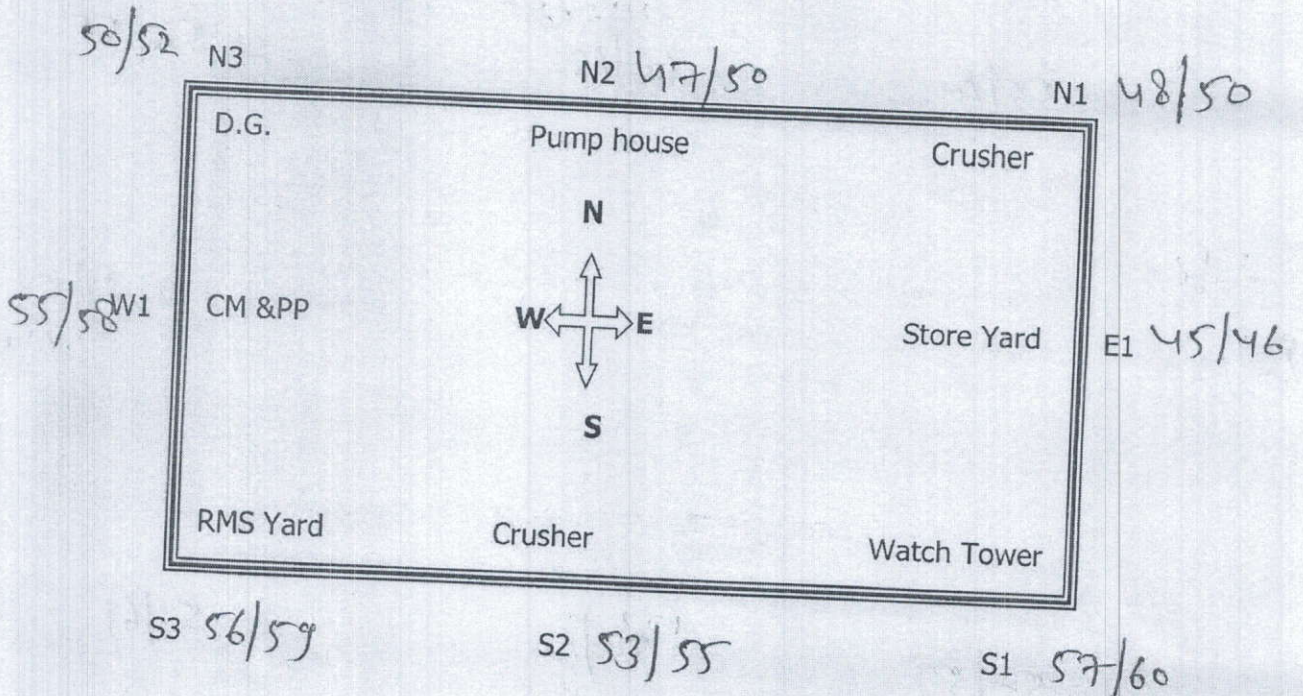
SIGNATURE: *[Signature]*

Ambient Noise Level Measurement Record (in dB (A))

Date: 26/12/2023

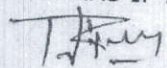
Time: 10.45

Day/ Night:



- | | |
|------------------|---|
| CRUSHER | : OPERATING/ <input checked="" type="checkbox"/> NOT OPERATING |
| RAW MILL | : OPERATING/ <input checked="" type="checkbox"/> NOT OPERATING |
| KILN | : OPERATING/ <input checked="" type="checkbox"/> NOT OPERATING |
| CEMENT MILL | : OPERATING/ <input checked="" type="checkbox"/> NOT OPERATING. |
| PACKING PLANT | : OPERATING/ <input checked="" type="checkbox"/> NOT OPERATING |
| D. G. | : OPERATING/ <input checked="" type="checkbox"/> NOT OPERATING |
| COMPRESSOR | : OPERATING/ <input checked="" type="checkbox"/> NOT OPERATING |
| PET- COKE MILL | : OPERATING/ <input checked="" type="checkbox"/> NOT OPERATING |
| Ready Mix Mortar | : OPERATING/ <input checked="" type="checkbox"/> NOT OPERATING |

veg. 53.4

REMARKS IF ANY:

 MEASURED BY:


 SIGNATURE:

Ambient Noise Level Measurement Record (in dB (A))

Date: 30/01/2024

Time: 12.05

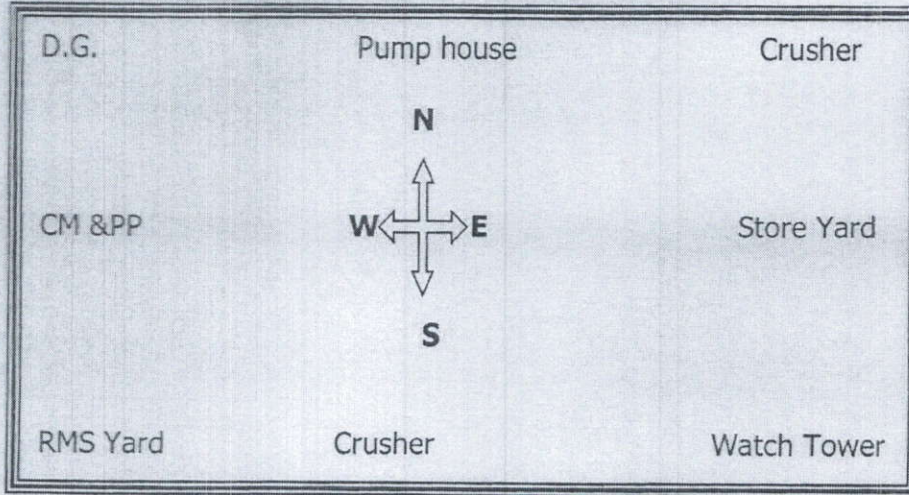
Day/ Night:

49/51
N3

42/43
N2

N1 44/47

S7/58 W1



E1 49/52

S3 62/64

S2 50/51

S1 48/52

CRUSHER	: OPERATING/ NOT OPERATING
RAW MILL	: OPERATING/ NOT OPERATING
KILN	: OPERATING/ NOT OPERATING
CEMENT MILL	: OPERATING/ NOT OPERATING.
PACKING PLANT	: OPERATING/ NOT OPERATING
D. G.	: OPERATING/ NOT OPERATING
COMPRESSOR	: OPERATING/ NOT OPERATING
PET- COKE MILL	: OPERATING/ NOT OPERATING
Ready Mix Mortar	: OPERATING / NOT OPERATING

Level - 52.4

REMARKS IF ANY:

MEASURED BY: *JAY*

SIGNATURE: *[Signature]*

Ambient Noise Level Measurement Record (in dB (A))

Date: 30/01/2024

Time: 9.19

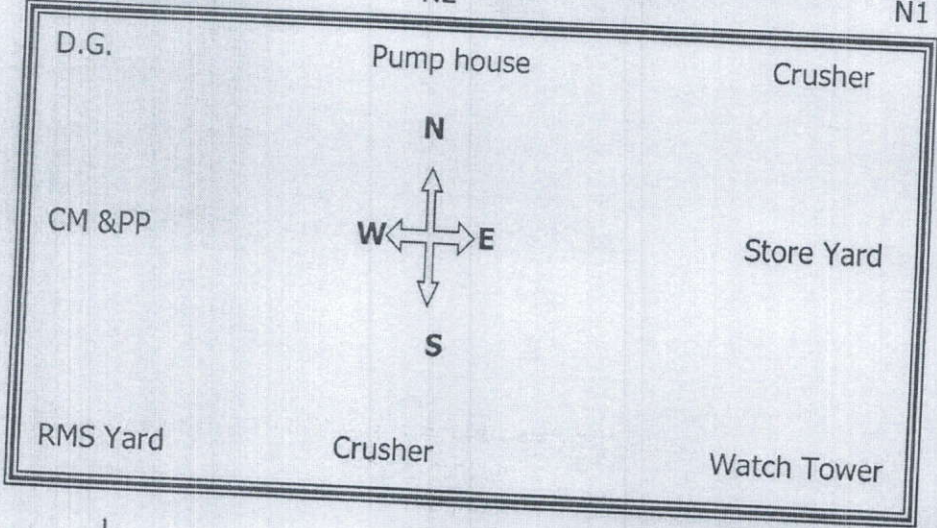
Day/ Night:

52/54
N3

55/58
N2

N1 54/56

59/61W1



E1 58/61

S3 60/62

S2 58/63

S1 51/56

- CRUSHER : OPERATING/ ~~NOT OPERATING~~
- RAW MILL : OPERATING/ ~~NOT OPERATING~~
- KILN : OPERATING/ ~~NOT OPERATING~~
- CEMENT MILL : OPERATING/ ~~NOT OPERATING~~
- PACKING PLANT : OPERATING/ ~~NOT OPERATING~~
- D. G. : OPERATING/ ~~NOT OPERATING~~
- COMPRESSOR : OPERATING/ ~~NOT OPERATING~~
- PET- COKE MILL : OPERATING/ ~~NOT OPERATING~~
- Ready Mix Mortar : OPERATING/ ~~NOT OPERATING~~

veg. 32.4

REMARKS IF ANY:

[Signature]

MEASURED BY:

SIGNATURE:

Ambient Noise Level Measurement Record (in dB (A))

Date: 27/02/2024

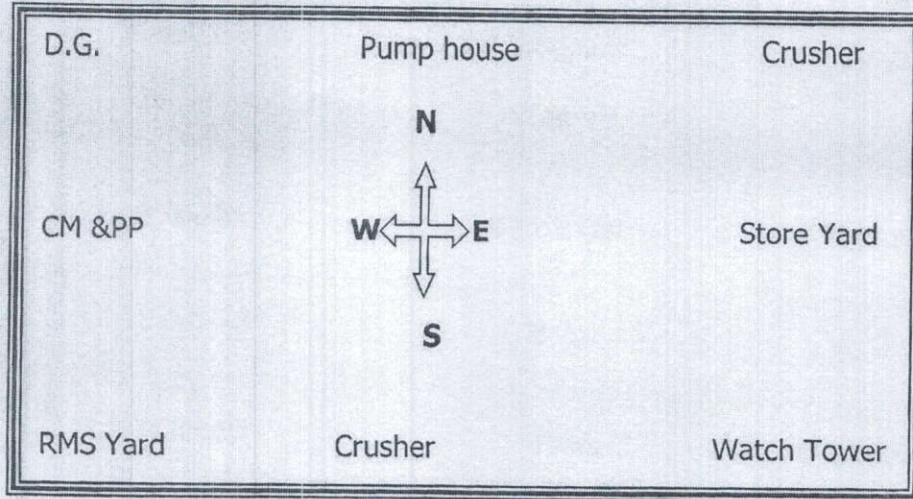
Time: 10.15

Day/ Night:

N3 48/59

N2 48/49

N1 54/59



W1 52/55

E1 55/59

S3 55/60

S2 58/60

S1 58/61

- | | |
|------------------|--|
| CRUSHER | : OPERATING/ NOT OPERATING |
| RAW MILL | : OPERATING/ NOT OPERATING |
| KILN | : OPERATING/ NOT OPERATING |
| CEMENT MILL | : OPERATING/ NOT OPERATING. |
| PACKING PLANT | : OPERATING/ NOT OPERATING |
| D. G. | : OPERATING/ NOT OPERATING |
| COMPRESSOR | : OPERATING/ NOT OPERATING |
| PET- COKE MILL | : OPERATING/ NOT OPERATING |
| Ready Mix Mortar | : OPERATING/ NOT OPERATING |

Leg. 57-1

REMARKS IF ANY:

TRM

MEASURED BY:

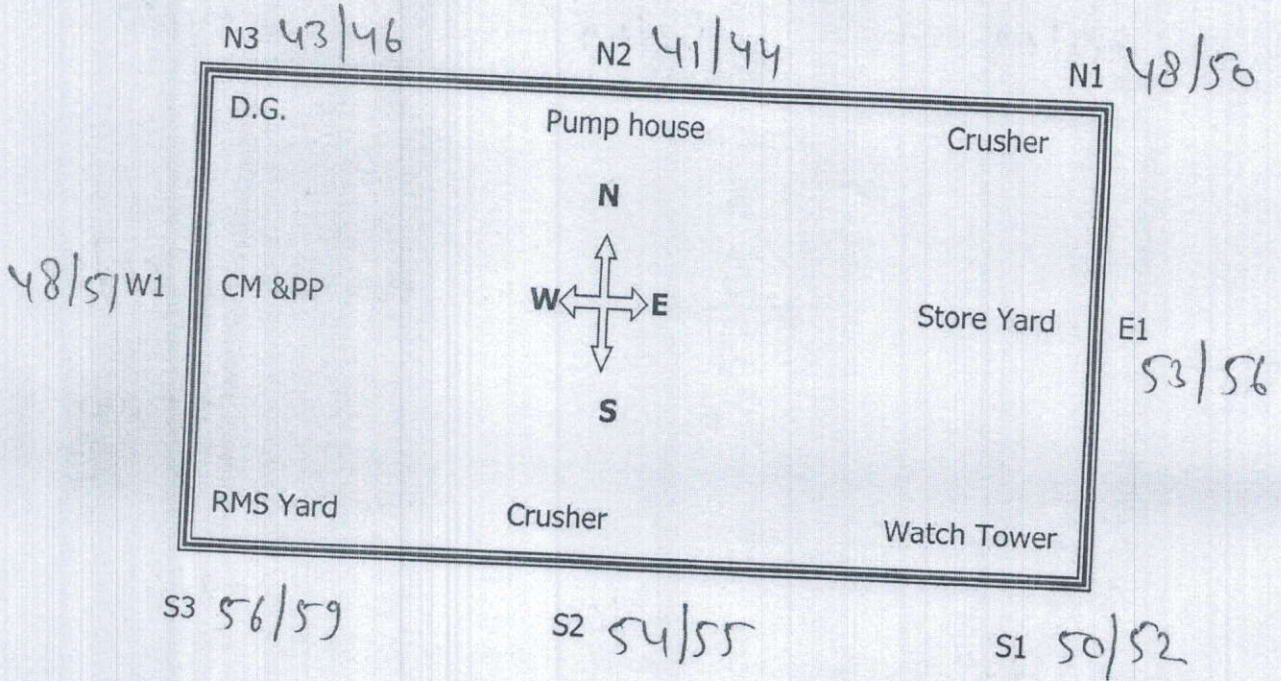
SIGNATURE:

Ambient Noise Level Measurement Record (in dB (A))

Date: 27/02/2024

Time: 11:10

Day/ Night:



- | | |
|------------------|--|
| CRUSHER | : OPERATING/ NOT OPERATING |
| RAW MILL | : OPERATING/ NOT OPERATING |
| KILN | : OPERATING/ NOT OPERATING |
| CEMENT MILL | : OPERATING/ NOT OPERATING. |
| PACKING PLANT | : OPERATING/ NOT OPERATING |
| D. G. | : OPERATING/ NOT OPERATING |
| COMPRESSOR | : OPERATING/ NOT OPERATING |
| PET- COKE MILL | : OPERATING/ NOT OPERATING |
| Ready Mix Mortar | : OPERATING/ NOT OPERATING |

Leq - 50.2

REMARKS IF ANY:

MEASURED BY: *[Signature]*

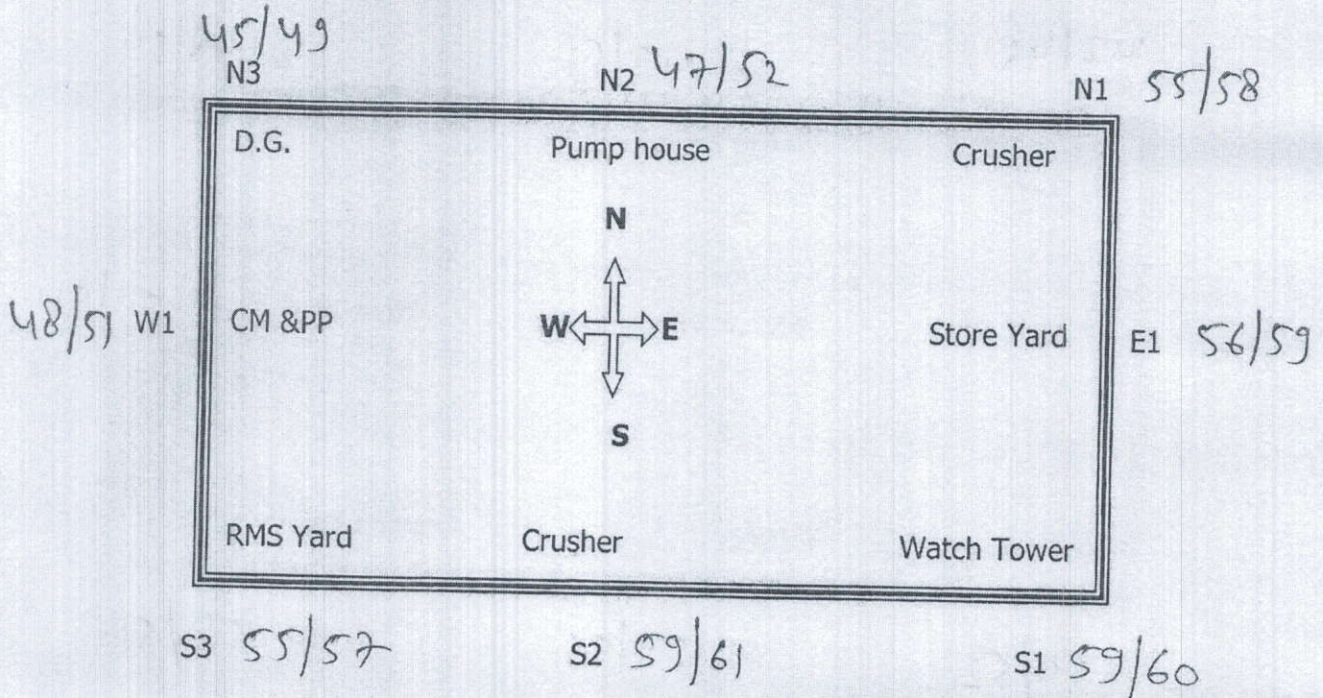


Ambient Noise Level Measurement Record (in dB (A))

Date: 26/03/2024

Time: 9.15

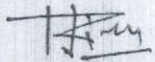
Day/ Night:



CRUSHER	: OPERATING/ NOT OPERATING
RAW MILL	: OPERATING/ NOT OPERATING
KILN	: OPERATING/ NOT OPERATING
CEMENT MILL	: OPERATING/ NOT OPERATING.
PACKING PLANT	: OPERATING/ NOT OPERATING
D. G.	: OPERATING/ NOT OPERATING
COMPRESSOR	: OPERATING/ NOT OPERATING
PET- COKE MILL	: OPERATING/ NOT OPERATING
Ready Mix Mortar	: OPERATING/ NOT OPERATING

veg 560

REMARKS IF ANY:

MEASURED BY: 

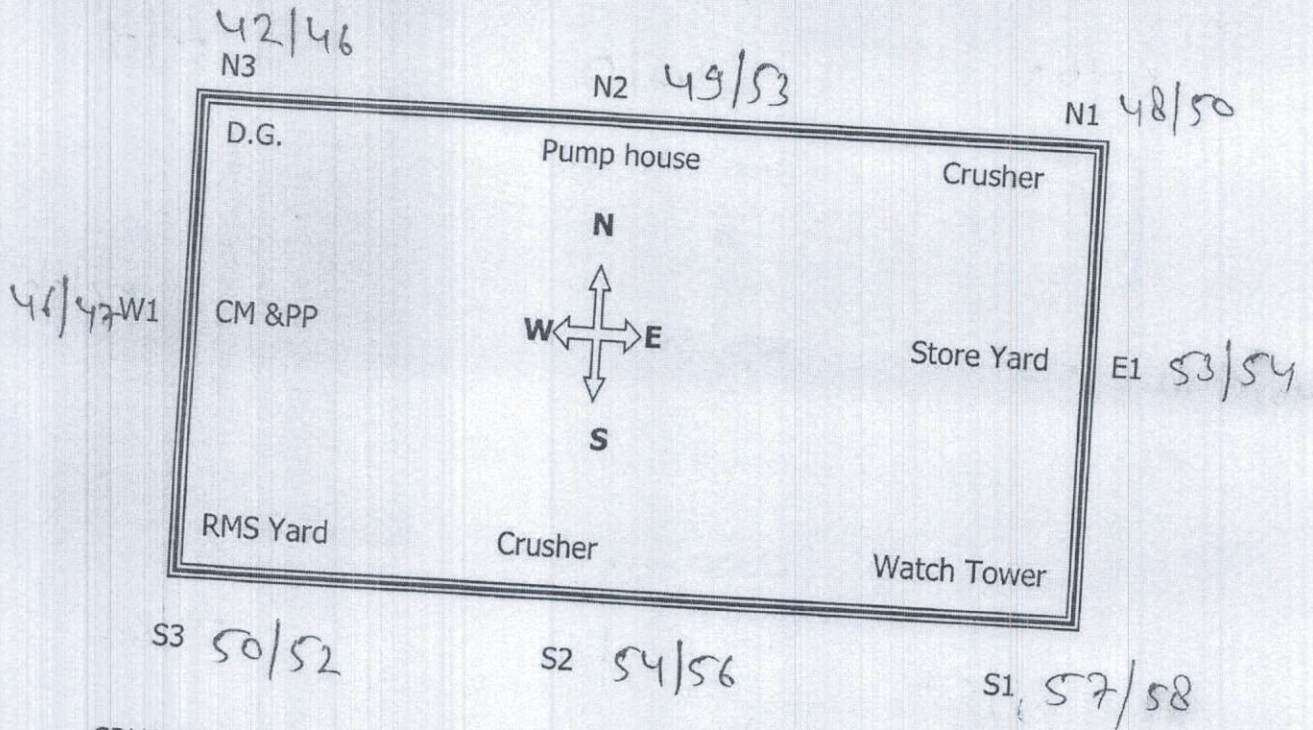

SIGNATURE: 

Ambient Noise Level Measurement Record (in dB (A))

Date: 26/03/2024

Time: 10.55

Day/ Night:



- | | |
|------------------|--|
| CRUSHER | : OPERATING/ NOT OPERATING |
| RAW MILL | : OPERATING/ NOT OPERATING |
| KILN | : OPERATING/ NOT OPERATING |
| CEMENT MILL | : OPERATING/ NOT OPERATING. |
| PACKING PLANT | : OPERATING/ NOT OPERATING |
| D. G. | : OPERATING/ NOT OPERATING |
| COMPRESSOR | : OPERATING/ NOT OPERATING |
| PET- COKE MILL | : OPERATING/ NOT OPERATING |
| Ready Mix Mortar | : OPERATING/ NOT OPERATING |

veg. 52.4

REMARKS IF ANY:

MEASURED BY: *[Signature]*

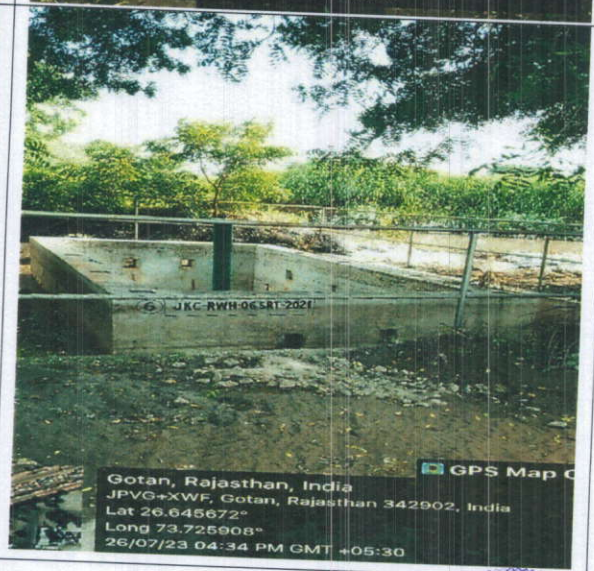


M/s JK CEMENT WORKS, GOTAN
Water Withdrawal Data Oct-23 to Mar-24

Month	Bore Well No. 1 (KL)	Bore Well No. 2 (KL)	Bore Well No. 3 (KL)	Bore Well No. 4 (KL)	Total Water Withdrawal (KL)
Oct-23	2639	6051	2705	0	11395
Nov-23	7681	5543	3082	0	16306
Dec-23	296	4356	1233	0	5885
Jan-24	1329	4010	231	0	5570
Feb-24	1951	6185	0	0	8136
Mar-24	2132	7071	0	0	9203
TOTAL	16028	33216	7251	0	56495



Photographs of Rain water Harvesting Pits



Photographs of Green Belt Development





Employee Name	AUDIOMETRY	Blood Group	DISTANT VISION LEFT	DISTANT VISION RIGHT	ECG REPORT	HEIGHT	NEAR VISION LEFT	NEAR VISION RIGHT	SPIROMETRY	WEIGHT
Aditya Kumar	NORMAL	AB-VE	6/6	6/6	NORMAL	174	N-6	N-6	MILD REST	79.8
AMIT TAK	NORMAL	O-VE	6/6	6/6	NORMAL	169	N-6	N-6	NORMAL	88.5
Anand Kumar Soni	NORMAL	O+VE	6/6 C GLS	6/6 C GLS	NORMAL	175	N-6 C GLS	N-6 C GLS	NORMAL	79
Andhan Kumar	NORMAL	O+VE	6/6	6/6	NORMAL	176	N-6	N-6	NORMAL	85
Anil Kumar	NORMAL	B+VE	6/6GLS	6/6 GLS	NORMAL	167	N-6 GLS	N-6 GLS	NORMAL	81
Anirudh Bhan Ojha	NORMAL	O -VE	6/6	6/6	NORMAL	178	N-6	N-6	NORMAL	95.5
ANKIT AGARWAL	NORMAL	B+VE	6/6	6/6	NORMAL	171	N-6	N-6	NORMAL	63.6
ASHISH GOEL	NORMAL	O+VE	6/6	6/6	NORMAL	171	N-6	N-6	NORMAL	68
Ashok Kumar Chhapparwal	NORMAL	O+VE	6/6	6/6	NORMAL	170	N-6	N-6	NORMAL	93.20
Bal Mukund Sen	NORMAL	O +VE	6/6	6/6	NORMAL	167	N-6	N-6	NORMAL	89.6
Bhanwar Puri	NORMAL	B+VE	6/6	6/6	NORMAL	172	N-6 GLS	N-6 GLS	MILD REST	61.6
Bhawani Lal Dhakar	NORMAL	AB+VE	6/6	6/6	NORMAL	172	N-6	N-6	MILD REST	68.5
BHERU LAL DANGI	NORMAL	O+VE	6/6 CGLASS	6/6 CGLASS	NORMAL	164	N-6 CGLASS	N-6 CGLASS	NORMAL	56
Bhupendra Prasad Sharma	NORMAL	B+VE	6/6	6/6	NORMAL	163	N-6	N-6	NORMAL	67
Dashrath Singh	NORMAL	B+VE	6/6 C GLASS	6/6 C GLASS	NORMAL	160	N-6 C GLASS	N-6 C GLASS	NORMAL	71
Deepak Deora	NORMAL	A+VE	6/6	6/6	NORMAL	175	N-6	N-6	NORMAL	80
Deepak Gandhi	NORMAL	O+VE	6/9	6/6	NORMAL	170	N-8 GLS	N-8 GLS	NORMAL	72.8
Dharamraj Chouhan	NORMAL	O-VE	6/6 GLS	6/6 GLS	NORMAL	167	N-8 GLS	N-8 GLS	NORMAL	90.6
Dharmesh Sharma	NORMAL	B+VE	6/6	6/6	NORMAL	164	N-6	N-6	NORMAL	63
Dileep Singh	NORMAL	AB+VE	6/6	6/6	NORMAL	167	N-8 GLS	N-8 GLS	NORMAL	79
Dilip Bharadiya	NORMAL	B+VE	6/6	6/6	NORMAL	173	N-6	N-6	NORMAL	94
Fef Singh Rathore	NORMAL	A+VE	6/6 C GLASS	6/6 C GLASS	NORMAL	181	N-8 C GLASS	N-8 C GLASS	MILD REST	69
Ganpat Singh	NORMAL	A+VE	6/9 CGLASS	6/9 CGLASS	NORMAL	167	N-6 CGLASS	N-6 CGLASS	NORMAL	70
Gopal Jangid	ML BE	B+VE	6/6 CGLASS	6/6 CGLASS	NORMAL	165	N-6 CGLASS	N-6 CGLASS	NORMAL	73
Gopal Lal Sharma	NORMAL	O+VE	6/6 GLS	6/6 GLS	NORMAL	171	N-6 GLS	N-6 GLS	NORMAL	66
Govind Sharma	BL LE	O+VE	6/9 CGLASS	6/9 C GLASS	NORMAL	173	N-6 CGLASS	N-6 CGLASS	NORMAL	84
Hari Singh	BL BE	O+VE	6/6	6/6	NORMAL	172	N-6	N-6	MILD REST	71
Indar Singh Rao	NORMAL	O+VE	6/9 CGLASS	6/9 CGLASS	NORMAL	176	N-6 CGLASS	N-6 CGLASS	NORMAL	69.5
Jagdish Sharma	NORMAL	B+VE	6/9 CGLASS	6/9 CGLASS	NORMAL	169	N-6 GLS	N-6 GLS	MILD REST	62
Kailash Chandra Sikhwal	ML BE	B+VE	6/6	6/6	NORMAL	174	N-6	N-6	NORMAL	90
Kalu Ram Sharma	ML BE	O+VE	6/9 CGLASS	6/6	NORMAL	177	N-8 GLS	N-8 GLS	NORMAL	70
KAMLESH CHOUDHARY	NORMAL	A-VE	6/6	6/6	NORMAL	171	N-6	N-6	NORMAL	85.6
Kedar Mal Kurmi	NORMAL	O+VE	6/6	6/6	NORMAL	181	N-6	N-6	NORMAL	100
Kishore Singh	NORMAL	O+VE	6/6	6/6	NORMAL	170	N-6	N-6	NORMAL	64
Kistur Bhukar	NORMAL	O+VE	6/6	6/6	NORMAL	168	N-6	N-6	NORMAL	68
Kuldeep Singh	NORMAL	O+VE	6/6 C GLS	6/6 C GLS	NORMAL	175	N-6 C GLS	N-6 C GLS	NORMAL	95.5
Mahavir Gusai	NORMAL	O+VE	6/6 C GLS	6/9 C GLS	NORMAL	159	N-6 C GLS	N-6 C GLS	NORMAL	54
Manish Jain	ML BE	B+VE	6/6	6/6	NORMAL	169	N-6	N-6	NORMAL	72
Mohit Tiwari	NORMAL	B-VE	6/6 C GLS	6/6 C GLS	NORMAL	179	N-6	N-6	NORMAL	80
Naresh Kumar Rathi	NORMAL	O-VE	6/6	6/6	NORMAL	181	N-6	N-6	MILD REST	86
Navin Kumar	NORMAL	O+VE	6/6 CGLASS	6/6 CGLASS	NORMAL	165	N-6 CGLASS	N-6 CGLASS	MILD REST	58
Niranjan Jain	NORMAL	AB+VE	6/6 GLS	6/6 GLS	NORMAL	161	N-6	N-6	NORMAL	56
Pankaj Bhandari	NORMAL	B+VE	6/6	6/6	NORMAL	182	N-6	N-6	NORMAL	98
Pankaj Goutam	NORMAL	B+VE	6/6 GLS	6/6 GLS	NORMAL	179	N-6	N-6	NORMAL	87.3
PARMESHWAR LAL	NORMAL	O +VE	6/6	6/6	NORMAL	176	N-6	N-6	NORMAL	75
Pradeep Mundel	NORMAL	O+VE	6/6	6/6	NORMAL	183	N-6	N-6	NORMAL	74.9
Pradhan Singh Chouhan	ML BE	O+VE	6/6 CGLASS	6/6 CGLASS	NORMAL	170	N-6 CGLASS	N-6 CGLASS	NORMAL	91
Prahlad Ram Godara	NORMAL	O+VE	6/9	6/9	NORMAL	172	N-6	N-6	NORMAL	63
Prakash Kumar Saini	NORMAL	AB+VE	6/6 C GLS	6/6 C GLS	NORMAL	171	N-6 C GLS	N-6 C GLS	NORMAL	72
Raghuveer Singh Sekhawat	NORMAL	AB +VE	6/6	6/6	NORMAL	168	N-6 C GLASS	N-6 C GLASS	NORMAL	83
Rahul Agarwal	MODRET	B+VE	6/6	6/6	NORMAL	158	N-8	N-8	NORMAL	75
Rahul Gupta	NORMAL	AB+VE	6/6	6/6	NORMAL	176	N-6	N-6	NORMAL	71
Rajeev Rai	NORMAL	B+VE	6/6	6/6	NORMAL	157	N-6	N-6	NORMAL	57
Rajesh Kumar Rathore	NORMAL	O+VE	6/6GLS	6/6 GLS	NORMAL	163	N-6 GLS	N-6 GLS	NORMAL	79
RAKESH KUMAR ARYA	NORMAL	B+VE	6/6 GLS	6/6 GLS	NORMAL	165	N-6	N-6	NORMAL	71
Ram Avtar	ML BE	O +VE	6/6	6/6	NORMAL	172	N-6	N-6	NORMAL	85
Ram Jeevan Choudhary	NORMAL	A+VE	6/6 GLS	6/6 GLS	NORMAL	172	N-6 GLS	N-6 GLS	MILD REST	73.8
Ram Lal Prajapat	NORMAL	O+VE	6/6 C GLASS	6/6 C GLASS	NORMAL	162	N-6 C GLASS	N-6 C GLASS	MILD REST	89
Ram Lal Prajapat	ML LE	B+VE	6/9 CGLASS	6/9 CGLASS	NORMAL	170	N-8 GLS	N-8 GLS	NORMAL	82
Ram Lal Prajapat	ML BE	B+VE	6/6	6/6	NORMAL	177	N.6 CGLASS	N.6 CGLASS	MILD REST	102
Ram Niwas	NORMAL	B+VE	6/6 C GLS	6/6 C GLS	NORMAL	172	N-6 C GLS	N-6 C GLS	NORMAL	84
Ram Raj Beda	NORMAL	B+VE	6/6	6/6	NORMAL	170	N-6	N-6	NORMAL	71
Ramesh Chand Sharma	NORMAL	O+VE	6/6 GLS	6/6 GLS	NORMAL	152	N-6 GLS	N-6 GLS	MILD REST	45.5
RAMESH PATWAL	NORMAL	A+VE	6/6	6/6	NORMAL	176	N-6 GLS	N-6 GLS	MILD REST	77.6
Rameshwar Lal Sain	NORMAL	O-VE	6/9	6/9	NORMAL	159	N-6 C GLASS	N-6 C GLASS	NORMAL	64



Ravi Khandelwal	NORMAL	O+VE	6/6	6/6	NORMAL	163	N-6	N-6	MILD REST	68
Rekha Ram Prajapat	NORMAL	O+VE	6//6 C GLASS	6/6 C GLASS	NORMAL	168	N-6 C GLASS	N-6 C GLASS	NORMAL	102
Rohit Panpalia	NORMAL	B+VE	6/6	6/6	NORMAL	166	N-6	N-6	NORMAL	85.6
ROHIT SINGH RATHORE	NORMAL	A+VE	6/6 CGLASS	6/6CGLASS	NORMAL	171	N-6 CGLASS	N-6 CGLASS	NORMAL	64
Sahdev Singh Rathore	NORMAL	O+VE	6/6 C GLS	6/6 C GLS	NORMAL	176	N-6 C GLS	N-6 C GLS	NORMAL	89
SANJAY KUMAR DUBE	NORMAL	A+VE	6/6	6/6	NORMAL	176	N-6	N-6	NORMAL	90
Sanjay Kumar Sharma	NORMAL	A+VE	6/6	6/6	NORMAL	176	N-6	N-6	NORMAL	74
Sanjay Muwal	NORMAL	AB+VE	6/6 C GLASS	6/6 C GLASS	NORMAL	180	N-6	N-6	NORMAL	78
Sanjeev Mundel	NORMAL	A+VE	6/6	6/6	NORMAL	175	N-6	N-6	NORMAL	74.8
SATENDRA KUMAR NAMDEV	NORMAL	A+VE	6/6	6/6	NORMAL	168	N-6	N-6	MILD REST	79
SAURABH KATIYAR	NORMAL	O+VE	6/6 GLS	6/6 GLS	NORMAL	169	N-6 GLS	N-6 GLS	NORMAL	91
SHAITAN SINGH RAJPUT	NORMAL	A +VE	6/6	6/6	NORMAL	172	N-6	N-6	NORMAL	84
SHUBHAM ARORA	NORMAL	O+VE	6/6	6/6	NORMAL	171	N-6	N-6	NORMAL	90
Shubham Srivastava	NORMAL	B+VE	6/6 C GLS	6/6 C GLS	NORMAL	176	N-6 C GLS	N-6 C GLS	NORMAL	99.7
SRAWAN KUMAR BENIWAL	NORMAL	O+ VE	6/6	6/6	NORMAL	168	N-6	N-6	NORMAL	61
SUDHIR KUMAR LIMBA	NORMAL	B+VE	6/6 CGLASS	6/6 CGLASS	NORMAL	164	N-6 CGLASS	N-6 CGLASS	NORMAL	63.7
SURENDER SINGH	NORMAL	A -VE	6/6	6/6	NORMAL	181	N-6	N-6	NORMAL	76
Tarun Kumar Chippa	NORMAL	A+VE	6/6	6/6	NORMAL	177	N-6	N-6	MILD REST	77
Teja Ram Devasi	NORMAL	A-VE	6/6	6/6	NORMAL	166	N-6 GLS	N-6 GLS	NORMAL	75
UMA SHANKAR MEHTA	NORMAL	B+VE	6/9 C GLASS	6/9 C GLASS	NORMAL	164	N-6 C GLASS	N-6 C GLASS	NORMAL	69
Vikas Paliwal	NORMAL	B+VE	6/6	6/6	NORMAL	1176	N-6	N-6	NORMAL	84.5

