

(Unit of JK Cement Ltd.)

CIN: L17229UP1994PLC017199

ISO 9001, ISO 14001 & OHSAS 18001 Certified

P.O. GOTAN - 342 902 District - Nagaur (Rajasthan) INDIA Phone: (01591) 230201-03 (PBX), 230205 Fax: 230206

Email: gotan@jkcement.com Reg. A/d & Mail

JKC/ENV/13 A/

Date: 22.11.2022

The Director,

Ministry of Environment, Forest & Climate Change

Integrated Regional Office, Jaipur

A-209 & 218, "ARANYA BHAWAN", Jhalana Institutional Area, Jaipur-302004

Tel No: 0141-2713786, 2713778 Email: iro.jaipur-mefcc@gov.in

Subject: Compliance of Environmental Clearance conditions for production of 471900 TPA grey cement at J K Cement Works, Gotan (Period 1st April 2021 to 30 Sep., 2022).

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

Dear Sir.

Please find below the point - wise reply of the compliance conditions communicated for production of grey cement 471900 TPA & setting up clinker 262500 TPA as above referred letter.

Name of the Project

: Expansion of Grey Cement from 84000 TPA to 471900 TPA & setting up of Clinker 262500 TPA

Clearance Letter No.

: J-11011/63/2008-IA-II dated August 18, 2008.

(Above reference expansion project EC, CTO obtained dated 16.9.2022 & project work in preliminary stage for conservation (W&G). The expansion of project Line-2 is also under preliminary stage and once it conclusive level.

SPECIFIC CONDITIONS:

S. No.	Conditions	Compliance Status
1.	The company shall install Electrostatic Precipitator (ESP) to raw mill and kiln, Cyclone to cooler, bag house to cement mill and bag filter to crusher to control particulate emissions within 50mg/Nm³. The company shall provide air pollution monitoring arrangements with stacks and vents. Regular monitoring reports shall be submitted to the Rajasthan Pollution Control Board, CPCB and Ministry's Regional Office at Lucknow.	We have installed three stage ESP at the raw mill & kiln, bag houses at cement mill and crusher with all monitoring facilities have also been provided. Regular monitoring is being conducted & results have been sent to concerned departments. The OCEMS system has installed at site for online monitoring and it has connected with RSPCB & CPCB Servers. Refer recognized Lab Monitoring reports Attached: Annexure-2
2.	Bag house/ filters shall be provided to control the fugitive emissions generated during material transfer, packing, loading and unloading. The project authorities shall store all the raw materials except limestone in the covered sheds to control fugitive emissions.	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. Bag filters have been installed at material transfer, packing, loading & unloading point.



Registered Office

Kamla Tower Kanpur (U.P.) Ph: 0512-2371478-83 Fax: 0512-2399854 admin@jkcement.com Website: www.jkcement.com

Jaipur Office

206, Axis Mall, Bhagwan Das Road C-Scheme, Jaipur (Raj.) Ph: 0141-2379739 Fax: 0141-2379740

Email: jkwc.jaipur@jkcement.com

Jodhpur Office

Plot No. 100, 2nd Floor, Panchmukhi Vishwakarma Tower. New Power House Road, Jodhpur-342003 Ph: 0291-2432021, 2433072

Fax: 0291-2433071

Email: jodhpur.office@jkcement.com



3	The locations of ambient air quality monitoring stations shall be set up as per statutory requirement in consultation with the Rajasthan Pollution Control stations shall be installed, if required, in the downwing direction as well as where maximum ground level concentrations are anticipated.	stations have been set up as well as Four Continuous Ambien Air Quality Monitoring Stations as per guidelines.
4.	The water requirement shall not exceed 1000 KLD. The company shall obtain the prior permission for drawl of ground water from the Central Ground Water Authority / Central Ground Water Board. The copy of the permission letter shall be submitted to the Ministry's Regional Office at Lucknow within 3 months from date of issue of this letter.	exceed the limit. Permission for the same has been obtained from CGWA.
5.	The company shall develop rain water harvesting structures to harvest the run off water for recharge of ground water.	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.
6.	Green belt shall be developed at least in 33 % of plant area to mitigate the effect of fugitive emissions all around the plant as per the guidelines of Central Pollution Control Board.	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 etc. has been planted around the plant boundary, near by area, colony area. Total area of plantation is developed 20.90 hectors with 34552 saplings at site. Refer layout attached Annexure-1
7.	The project authorities shall transport the raw materials and cement in covered means to avoid fugitive emission during transport.	Transportation of all powder form of raw materials & finished product are done by means of covered conveyor system.
3.	All the recommendations mentioned in the CREP guidelines for the cement plants shall be followed and complied.	We are followed the recommendation of CREP guidelines as applicable.
),	The commitments made during public hearing shall be complied with. A detailed action plan regarding compliance of the commitments made during public hearing shall be submitted to the Ministry's Regional Office at Lucknow within 3 months from date of issue of this letter.	Point wise Public Hearing commitments are as follows: 1. There could be some damage to residential properties due to Blasting operation carried out in the Mines area. - Blasting is carried out done under controlled conditions following all safety norms.
		The company should open new school in the residential clusters where the company is operating We have engaged 3 nos. of buses to carry students of near by villages at our school LK Singhania Education Centre, in J K
		White Cement Works premises Gotan free of cost. 3. Air pollution will take place in Borunda area due to lime kilns operation
		- Our factory is situated at Gotan, about 30 kms away from Borunda village however we are taking care for control the air pollution on regular basis.
		4. No employment of child labour.
		- No child labour is employed in the factory as our social policy.
		Company is ISO 9001,14001& 45001 Control

GENERAL CONDITIONS:

1.	The project authorities shall strictly adhere to the stipulations	We have followed all the six Lsix 6 d
	of the SPCB/State Government or any statutory body.	We have followed all the stipulations of the statutory bod given time to time and shall continue to follow the same.
2.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	It shall be followed at all times. Changes if any shall be under taken with due permissions.
3.	At no time, the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.	We agree to follow the prescribed norms.
4.	The gaseous emissions (SO ₂ , NOx,) and particulate matter along with RSPM levels from various process units shall conform to the standards prescribed by the concerned authorities from time to time.	Four AAQM stations are monitored regularly for the parameters of PM ₁₀ ,PM _{2.5} , SO2, NOx & CO. Results are well within the stipulated norms & results have been sent to concerned department/ authorities. Four CAAQM stations are installed at site and connected to RSPCB & CPCB servers for online monitoring. Refer recognized Lab Monitoring reports Attached: Annexure-2
5.	The company shall undertake following Waste Minimization measures. > Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. > Use of "Close pneumatic" system for transport of fine material. > All Venting systems shall be connected with dust arresting equipments. > Dust collect in pollution control equipments shall be reused.	We have already taken care for controlling the dust by adopting the better housekeeping and covered storage area. Bag filters have been installed at material transfer, packing, loading, unloading & at venting systems to arrest dust. Dust collected in pollution control equipments is being reused.
5.	Fugitive emissions in the work zone environment, product, and raw materials storage area shall be regularly monitored. The emissions shall conform to the limits imposed by the State Pollution Control Boards/Central Pollution Control Board.	Fugitive emissions in the work zone environment, product and raw materials storage area have been monitored regularly. Results are well within the stipulated norms.
7.	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Regular noise monitoring is being done around plant boundary. Noise levels are well within stipulated norms. Proper enclosures have been provided at high noise been provided to all the workers. Recognized Lab Monitoring reports Attached: Annexure-2
3.	Occupational health and safety measures shall be undertaken. Periodic monitorial for exposure to dust on the workers should be conducted and records maintained including health records of the workers. The company shall engage a doctor who is trained in occupational health.	Periodic health checkup of all the employees have been conducted at our dispensary where all facilities are available. Refer report attached Annexure:-3
).	The company shall undertake eco-developmental measures including community welfare measures in the project area for	Various eco – developmental measures including community welfare programs have been conducted time to time in the area

	the overall improvement of the environment. The eco development plan should be submitted to the SPCB within three months of receipt of this letter for approval.	such as plantation program, free eye camp, free bus service for students, construction of Dharmashala, RO water to villagers etc.
11.	A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	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
11.	The project authorities shall earmark adequate fund to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. An implementation schedule for all the conditions stipulated herein shall be submitted to the Ministry's Regional Office. The funds so provided shall not be diverted for any other purpose.	The all allocated work has been completed. Implementation of the conditions as stipulated by the M. F. C. of the conditions as stipulated by the M. F. C. of the conditions as stipulated by the M. F. C. of the conditions as stipulated by the M. F. C. of the conditions as stipulated by the M. F. C. of the conditions as stipulated by the M. F. C. of the conditions as stipulated by the M. F. C. of the conditions as stipulated by the M. F. C. of the conditions as stipulated by the M. F. C. of the conditions are stipulated by the M. F. C. of the conditions as stipulated by the M. F. C. of the conditions are stipulated by the M. F. C. of the conditions are stipulated by the conditions as stipulated by the conditions are sti
12.	The implementation of the project vis-à-vis environmental action plans shall be monitored by the concerned Regional Office of the Ministry/SPCB / CPCB. A six monthly compliance status report shall be submitted to monitoring agencies and shall be posted on the website of the Company.	We assure to submit timely compliance report to concerned departments.
	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry at http://envfor.nic.in. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	Grant of Environmental Clearance was advertised in Rajasthan Patrika & Dainik Bhasker on dated 20.08.2008. Expansion EC: advertised in Rajasthan Dainak Navjyoti & Dainik Bhasker on dated 30.05.2022.
4.	The project authorities 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 and the date of start of the project	The intimation given to RO office RSPCB & Ministry. Before start project work obtained CTE /CTO. EC identification no. EC21A009RJ196812 dated 06/12/2021

Expansion environmental clearance has been obtained vide letter EC identification no. EC21A009RJ196812 dated 06/12/2021 Till now expansion project work not started at site. And EC22A009RJ183791 File no. IA-J-11011/63/2008-IA-II(I) dated 27.05.2022 project work in preliminary stage for conservation (W&G).

We hope you will find the document in order. Kindly acknowledge the receipt.

Thanking you,

Yours Faithfully For J. Comput Works

Ranger Kumar Bagariya

Encl. Annexure- 1 to 3

Cc:

Central Pollution Control Board

Reg. A/d

Parivesh Bhawan, East Arjun Nagar, Shahdrara, New Delhi - 110 032

Ce:

Rajasthan State Pollution Control Board

Reg. A/d

4, Institutional Area, Jhalana Dungri, Jaipur (Raj.) - 302 004

Cc:

Regional Officer,

Reg. A/d

Rajasthan State Pollution Control Board,

First Floor, Sehkari Bhoomi Vikas Bank Ltd., Nagaur- 341001





Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana) MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001



Test Report

ANNEXURE:

Sample Number:

VEL/JK/A/04

Name & Address of the Party:

M/s JK Cement Works

(Unit of JK Cement LTD Vill. & PO-Gotan

Dist. Nagaur Rajasthan

Report No.:

VEL/A/2206300001

Format No .: 7.8 F-03

Party Reference No.:

GTN/WH/PUR/37/022/2022-23

Dated: 03/06/2022

Sample Description:

Ambient Air Quality Monitoring

Report Date:

Period of Analysis:

05/07/2022 30/06/2022-05/07/2022

Receipt Date:

30/06/2022

General Information:-

Sampling Location

Sample collected by Sampling Equipment used

Instrument Code

Instrument Calibration Status

Latitude

Longitude

Meteorological condition during monitoring

Date of Sampling Time of Sampling

Ambient Temperature (°C) Surrounding Activity

Scope of Monitoring

Sampling & Analysis Protocol

Sampling Duration Parameter Required : Front of Pump House

: VEL Team

: RDS & FPS

: VEL/RDS/FPS/01/03

: Calibrated

: 26°38'45"

: 73°43'36"

: Clear sky

: 26/06/2022 to 27/06/2022

: 11:30 to 11:30 Hrs.

: Min. 31°C, Max. 43 °C

: Human, Vehicular & Other Activities

: Regulatory Requirement

: IS-5182 & CPCB Guidelines

: 24 hrs.

: As Per Work Order

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
I.	Particulate Matter (PM _{2.5})	SOP No. VEL/SOP/01, Section No. SP 63	34.04	µg/m³	60
2.	Particulate Matter (PM ₁₀)	IS 5182 (P 23), Gravimetric Method	75.31	µg/m³	-
3.	Nitrogen Dioxide (NO ₂)	IS 5182 (P 6), Jacob & Hochheiser	15.47	μg/m ³	100
4.	Sulphur Dioxide (SO ₂)	IS 5182 (P 2), Modified West and Gacke	10.50	No. of the last of	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10) Gas Chromatography	0.52	μg/m³	80
6.	Ammonia (NH ₃)	SOP,SP-207,Issue No.01 & Based on CPCB Guidelines	5.23	mg/m³	4
7.	Lead (Pb)	IS: 5182 (P-22), Air Acetylene Method		μg/m³	400
8.	Benzene(C ₆ H ₆)	IS: 5182 (P-11)	BLQ (LOQ 0.02)	μg/m³	1
9.	Benzo(a)pyrene	IS: 5182 (P-12)	BLQ (LOQ 1.0)	μg/m³	05
10.	Ozone (O ₃)		BLQ (LOQ 0.5)	ng/m'	01
11.	Arsenic as (As)	IS 5182 (P-9),Colorimetric Method	10.33	μg/m³	180
12.		IS 5182 (P-22)	BLQ (LOQ 1.0)	ng/m ³	6
	Nickel as (Ni)	IS: 5182 (P-22), Air Acetylene Method	BLQ (LOQ 5.0)	ng/ m ³	20

Q- Limit of Quantification.

End of Report



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(Approved By) Singh

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Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana) MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001



Test Report

Sample Number:

VEL/JK/A/03

Name & Address of the Party:

M/s JK Cement Works

(Unit of JK Cement LTD Vill. & PO-Gotan

Dist. Nagaur Rajasthan

Report No.:

VEL/A/2206300002

Format No.:

7.8 F-03

Party Reference No.:

GTN/WH/PUR/37/022/2022-23

Dated: 03/06/2022

Sample Description:

Ambient Air Quality Monitoring

Report Date:

05/07/2022

Period of Analysis:

30/06/2022-05/07/2022

Receipt Date:

30/06/2022

General Information:-

Sampling Location

Sample collected by Sampling Equipment used

Instrument Code

Instrument Calibration Status

Latitude Longitude

Meteorological condition during monitoring

Date of Sampling Time of Sampling Ambient Temperature (°C)

Surrounding Activity

Scope of Monitoring

Sampling & Analysis Protocol

Sampling Duration Parameter Required : Front of Weigh Bridge

: VEL Team

: RDS & FPS

: VEL/RDS/FPS/03/04

: Calibrated

: 26°38'46"

: 73°43'46"

: Clear sky

: 26/06/2022 to 27/06/2022

: 10:20 to 10:20 Hrs.

: Min. 31°C, Max. 43 °C

: Human, Vehicular & Other Activities

: Regulatory Requirement

: IS-5182 & CPCB Guidelines

: 24 hrs.

: As Per Work Order

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
1.	Particulate Matter (PM25)	SOP No. VEL/SOP/01, Section No. SP 63	35.71	μg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS 5182 (P 23), Gravimetric Method	77.36	μg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS 5182 (P 6), Jacob & Hochheiser	19.71	μg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS 5182 (P 2), Modified West and Gacke	12.44	μg/m ³	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10) Gas Chromatography	0.75	mg/m³	4
6.	Ammonia (NH ₃)	SOP,SP-207,Issue No.01 & Based on CPCB Guidelines	8.95	μg/m ³	400
7.	Lead (Pb)	IS: 5182 (P-22), Air Acetylene Method	BLQ (LOQ 0.02)	μg/m³	1
8.	Benzene(C ₆ H ₆)	IS: 5182 (P-11)	BLQ (LOQ 1.0)	μg/m ³	05
9.	Benzo(a)pyrene	IS: 5182 (P-12)	BLQ (LOQ 0.5)	ng/m³	
10.	Ozone (O ₃)	IS 5182 (P-9), Colorimetric Method	12.39	-	01
11.	Arsenic as (As)	IS 5182 (P-22)	BLQ (LOQ 1.0)	μg/m³	180
12.	Nickel as (Ni)	IS: 5182 (P-22), Air Acetylene Method	BLQ (LOQ 5.0)	ng/ m ³	6 20

Note: * BLQ-Below Limit of Quantification, ** LOQ- Limit of Quantification.

End of Report





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Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)

MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001



Test Report

Sample Number:

VEL/JK/A/01

Name & Address of the Party:

M/s JK Cement Works

(Unit of JK Cement LTD Vill. & PO-Gotan

Dist. Nagaur Rajasthan

Report No .:

VEL/A/2206300003

Format No.:

7.8 F-03

Party Reference No.:

GTN/WH/PUR/37/022/2022-23

Dated: 03/06/2022

Sample Description:

Ambient Air Quality Monitoring

Report Date:

05/07/2022

Period of Analysis:

30/06/2022-05/07/2022

Receipt Date:

30/06/2022

General Information:-

Sampling Location

Sample collected by

Sampling Equipment used

Instrument Code

Instrument Calibration Status

Latitude

Longitude

Meteorological condition during monitoring

Date of Sampling

Time of Sampling

Ambient Temperature (°C)

Surrounding Activity Scope of Monitoring

Sampling & Analysis Protocol

Sampling Duration

Parameter Required

: Front of Crusher MCC Room

: VEL Team

: RDS &FPS

: VEL/RDS/FPS/02/04

: Calibrated

: 26°38'35"

: 73°43'50"

: Clear sky

: 26/06/2022 to 27/06/2022

: 09:20 to 09:20 Hrs.

: Min. 31°C, Max. 43 °C

: Human, Vehicular & Other Activities

: Regulatory Requirement

: IS-5182 & CPCB Guidelines

: 24 hrs.

: As Per Work Order

S. No.	Parameter	Protocol	Result	Unit	NAAQS Limit
1.	Particulate Matter (PM _{2.5})	SOP No. VEL/SOP/01, Section No. SP 63	35.00	μg/m³	
2.	Particulate Matter (PM ₁₀)	IS 5182 (P 23), Gravimetric Method	73.25		60
3.	Nitrogen Dioxide (NO2)	IS 5182 (P 6), Jacob & Hochheiser	16.12	μg/m ³	100
4.	Sulphur Dioxide (SO ₂)	IS 5182 (P 2), Modified West and Gaeke	10.69	μg/m³	80
5	Carbon Monoxide (CO)	IS 5182 (P-10) Gas Chromatography	0.52	μg/m³	80
6.	Ammonia (NH ₃)	SOP,SP-207,Issue No.01 & Based on CPCB Guidelines	6.84	mg/m³	4
7.	Lead (Pb)	IS: 5182 (P-22), Air Acetylene Method	BLQ (LOQ 0.02)	μg/m³	400
8,	Benzene(C ₆ H ₆)	IS: 5182 (P-11)	BLQ (LOQ 1.0)	μg/m³	1
9.	Benzo(a)pyrene	IS: 5182 (P-12)		μg/m ³	05
10.	Ozone (O ₃)	IS 5182 (P-9),Colorimetric Method	BLQ (LOQ 0.5)	ng/m³	01
11.	Arsenic as (As)	IS 5182 (P-22)	11.36	μg/m³	180
12,	Nickel as (Ni)		BLQ (LOQ 1.0)	ng/ m³	6
Note		IS: 5182 (P-22), Air Acetylene Method ication, ** LOQ- Limit of Quantification.	BLQ (LOQ 5.0)	ng/m³	20

End of Report



(Approved By)





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Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana) MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001



Test Report

Sample Number:

VEL/JK/A/02

Name & Address of the Party:

M/s JK Cement Works

(Unit of JK Cement LTD Vill. & PO-Gotan

Dist. Nagaur Rajasthan

Report No .:

VEL/A/2206300004

Format No.:

7.8 F-03

GTN/WH/PUR/37/022/2022-23

Dated: 03/06/2022

Sample Description:

Ambient Air Quality Monitoring

Report Date: Period of Analysis:

Party Reference No.:

05/07/2022

30/06/2022

30/06/2022-05/07/2022

Receipt Date:

General Information:-

Sampling Location Sample collected by

Sampling Equipment used

Instrument Code

Instrument Calibration Status

Latitude

Longitude

Meteorological condition during monitoring

Date of Sampling Time of Sampling Ambient Temperature (°C) Surrounding Activity

Scope of Monitoring

Sampling & Analysis Protocol

Sampling Duration Parameter Required : Bachelor Hostel

: VEL Team

: RDS &FPS

: VEL/RDS/FPS/05/06

: Calibrated

: 26°38'31"

: 73°43'41"

: Clear sky

: 26/06/2022 to 27/06/2022

: 09:40 to 09:40 Hrs.

: Min. 31°C, Max. 43 °C

: Human, Vehicular & Other Activities

: Regulatory Requirement

: IS-5182 & CPCB Guidelines

: 24 hrs.

: As Per Work Order

S. No.	Parameter	Protocol	Result	Unit	NAAQS*
1.	Particulate Matter (PM25)	SOP No. VEL/SOP/01, Section No. SP 63	自己的证明 医位性性病的		Limit
2	Particulate Matter (PM ₁₀)		31.67	µg/m³	60
3.	Nitrogen Dioxide (NO ₂)	IS 5182 (P 23), Gravimetric Method	73.20	μg/m³	100
4	Sulphur Dioxide (SO ₂)	IS 5182 (P 6), Jacob & Hochheiser	12.21	μg/m³	80
5	Carbon Monoxide (CO)	IS 5182 (P 2), Modified West and Gaeke	8.22	μg/m³	80
6		IS 5182 (P-10) Gas Chromatography	0.68	mg/m ³	4
7	Ammonia (NH ₃)	SOP,SP-207,Issue No.01 & Based on CPCB Guidelines	5.38	μg/m ³	400
8	Lead (Pb)	IS: 5182 (P-22), Air Acetylene Method	BLQ (LOQ 0.02)		400
	Benzene(C ₆ H ₆)	IS: 5182 (P-11)	BLQ (LOQ 1.0)	μg/m³	
9.	Benzo(a)pyrene	IS: 5182 (P-12)		μg/m³	05
10.	Ozone (O ₃)	IS 5182 (P-9), Colorimetric Method	BLQ (LOQ 0.5)	ng/m³	01
11.	Arsenic as (As)		9.64	μg/m³	180
12.	Nickel as (Ni)	IS 5182 (P-22)	BLQ (LOQ 1.0)	ng/m³	6
Note:	BLO-Below Limit of Our vis	IS: 5182 (P-22), Air Acetylene Method	BLQ (LOQ 5.0)	ng/m³	20

BLQ-Below Limit of Quantification, ** LOQ- Limit of Quantification

End of Report





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Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)

MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001



Test Report

Sample Number:

Name & Address of the Party:

VEL/JK/AN/01

M/s JK Cement Works

(Unit of JK Cement LTD Vill. & PO-Gotan

Ambient Noise Level Monitoring

Dist. Nagaur Rajasthan

Party Reference No.: Reporting Date:

Report No.:

Format No.:

Receipt Date:

Sampling Duration:

Sample Collected by: Instrument Calibration

Status:

VEL/N/2206300001

7.8 F-03

GTN/WH/PUR/37/022/2022-23

Dated: 03/06/2022 05/07/2022 30/06/2022

24 Hrs.

VEL Team Calibrated

Scope of Monitoring: Protocol Used: Instrument Used:

Sample Description:

Regulatory Requirement IS 9989: IS 9876

SLM

General Information:-

Sampling Location

Instrument Code

Meteorological condition during monitoring

Date of Monitoring

Time of Monitoring Ambient Temperature (°C)

Surrounding Activity

Parameter Required

Front of Pump House

: VEL/SLM/05

: Clear sky

: 26/06/2022 to 27/06/2022

: 06:00 AM to 06:00AM

: Min. 31°C, Max. 43 °C

: Human & Vehicular Activities

: As per Work Order

r. No.	Test Parameter		Test Result dB(A)	
100	Meles Satisfaction of the last	Protocol	Day Time	Night Time
1.	Leq	IS:9989, By Calculation	61.94	50.03

Category of Zones		Leq in dB (A)
	Day	Night
Industrial	75	The state of the s
Commercial		70
Residential	65	55
	55	45
Silence Zone	50	TO THE PARTY OF TH
	1	40

Day Time is from 6.00 AM to 10.00 PM.

Night Time is reckoned between 10.00 PM to 6.00 AM.

 Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker 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 Report





10



Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana) MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001



Test Report

Sample Number:

Name & Address of the Party:

VEL/JK/AN/02

M/s JK Cement Works

(Unit of JK Cement LTD Vill. & PO-Gotan

Dist. Nagaur Rajasthan

Sample Description:

Scope of Monitoring:

Protocol Used: Instrument Used:

Ambient Noise Level Monitoring

Regulatory Requirement

IS 9989: IS 9876

SLM

Report No.:

Format No.:

Party Reference No.:

Reporting Date:

Receipt Date:

Sampling Duration:

Sample Collected by: Instrument Calibration

Status:

VEL/N/2206300002

7.8 F-03

GTN/WH/PUR/37/022/2022-23

Dated: 03/06/2022 05/07/2022 30/06/2022

24 Hrs.

VEL Team Calibrated

General Information:

Sampling Location Instrument Code

Meteorological condition during monitoring

Date of Monitoring

Time of Monitoring Ambient Temperature (°C)

Surrounding Activity

Parameter Required

: Front of Weigh Bridge

: VEL/SLM/04

: Clear sky

: 26/06/2022 to 27/06/2022

: 06:00 AM to 06:00AM

: Min. 31°C, Max. 43 °C

: Human & Vehicular Activities

: As per Work Order

r. No.	Test Parameter	Protocol	Test Result dB(A)		
the state of the			Day Time	Night Time	
1.	Leq	IS:9989, By Calculation			
		Lossos, by Calculation	65.76	53.82	

Category of Zones	T The second sec		
		Leg in dB (A)	
Industrial	Day	Night	
Commercial	75		
Residential	65	70	
Silence Zone	55	55	
	50	45	
1. Day Time is from 6.00 AM to 10.0	00 DM	40	

Day Time is from 6.00 AM to 10.00 PM.

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, Loudspeaker and

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding











Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana) MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001



Test Report

Sample Number:

Name & Address of the Party:

VEL/JK/AN/03

M/s JK Cement Works

(Unit of JK Cement LTD Vill. & PO-Gotan

Dist. Nagaur Rajasthan

Sample Description:

Scope of Monitoring:

Protocol Used: Instrument Used: Ambient Noise Level Monitoring

Regulatory Requirement

IS 9989: IS 9876

SLM

Report No .:

Format No.: Party Reference No.:

Reporting Date: Receipt Date:

Sampling Duration:

Sample Collected by:

Instrument Calibration

Status:

VEL/N/2206300003

7.8 F-03

GTN/WH/PUR/37/022/2022-23

Dated: 03/06/2022 05/07/2022

30/06/2022

24 Hrs.

VEL Team Calibrated

General Information:-

Sampling Location

Instrument Code

Meteorological condition during monitoring

Date of Monitoring

Time of Monitoring

Ambient Temperature (°C)

Surrounding Activity

Parameter Required

Front of Crusher MCC Room

: VEL/SLM/03

Clear sky

26/06/2022 to 27/06/2022

06:00 AM to 06:00AM

: Min. 31°C, Max. 43 °C

: Human & Vehicular Activities

: As per Work Order

Test Parameter Protocol Day Time Ni	
	Night Time
Leq IS:9989, By Calculation 67.03	ELENA!

Category of Zones		Leq in dB (A)
Industrial	Day	
Commercial	75	Night
Residential	65	70
Silence Zone	55	55
	The state of the s	45
1. Day Time is from 6.00 AM to 10.0	0 PM.	40

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, Loudspeaker 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













Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)

MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001



Test Report

Sample Number:

Name & Address of the Party:

VEL/JK/AN/04

M/s JK Cement Works

(Unit of JK Cement LTD Vill. & PO-Gotan

Dist. Nagaur Rajasthan

Sample Description:

Scope of Monitoring: Protocol Used:

Instrument Used:

Ambient Noise Level Monitoring

Regulatory Requirement

IS 9989: IS 9876

SLM

Report No.:

Format No.: Party Reference No.:

Party Reference No.:

Reporting Date: Receipt Date: Sampling Duration:

Sample Collected by:

Instrument Calibration Status:

VEL/N/2206300004

7.8 F-03

GTN/WH/PUR/37/022/2022-23

Dated: 03/06/2022 05/07/2022 30/06/2022

24 Hrs.

VEL Team Calibrated

General Information:

Sampling Location

Instrument Code

Meteorological condition during monitoring

Date of Monitoring

Time of Monitoring

Ambient Temperature (°C)

Surrounding Activity

Parameter Required

: Bachelor Hostel

: VEL/SLM/06

: Clear sky

26/06/2022 to 27/06/2022

06:00 AM to 06:00AM

: Min. 31°C, Max. 43 °C

: Human & Vehicular Activities

: As per Work Order

Sr. No.	Test Parameter		Test Result dB(A)	
		Protocol	Day Time	Night Time
1.	Leq	IS:9989, By Calculation	50.80	41.38

Category of Zones		Leq in dB (A)
Literation	Day	Night
Industrial	75	70
Commercial	65	
Residential	55	55
Silence Zone		45
1 D 101	50	40

Day Time is from 6.00 AM to 10.00 PM.

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, Loudspeaker and

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











Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana) MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001



Test Report

Sample Number:

VEL/ S/04

Name & Address of Party:

M/s JK Cement Works

(Unit of JK Cement LTD Vill. & PO-Gotan

Dist. Nagaur Rajasthan

Report No .:

VEL /S/2206300001

Format No.:

7.8 F-03

Party Reference No .:

GTN/WH/PUR/37/022/2022-23

Dated 03/06/2022

Sample Description:

STACK EMISSION MONITORING

Reporting Date: Period of Analysis:

05/07/2022 30/06/2022-05/07/2022

Receipt Date:

30/06/2022

Sample Collected

Date & Time of Sampling

Sampling Location

Stack Attached

Sampling duration (Minutes)

Make Of Stack

Meteorological Condition

Stack Diameter Stack Height

Instrument calibration status Ambient Temperature - Ta (°C)

Temperature of Stack Gases - Ts (°C) Velocity of Stack Gases (m/sec.)

Flow rate of PM (LPM) Flow rate of Gas (LPM)

Sampling condition Protocol used

Vardan EnviroLab Team 27/06/2022 (12:15 to 12:53)

Raw Mill /Kiln ESP

ESP

38

MS

Clear Sky

2.6 m

82 m

Calibrated 42

125

8.18

26

2.0

OK

IS-11255 & CPCB Guidelines

RESULTS

S. No.	Parameter	Protocol	Results	Units	Limits
1.	Particulate Matter as (PM)	IS: 11255 (P-1), Gravimetric Method	29.02		
2.	Oxide of nitrogen as (NO _X)	IS: 11255 (P-7), Colorimetric Method	364.18	mg/Nm³	30
3.	Sulphur Dioxide as (SO ₂)	IS: 11255 (P-2), Titrimetric Method		mg/Nm³	800
4.	Carbon Monoxide as(CO)	#SOP, SP-74, Issue No. 01	22.18	mg/Nm³	100
			24.71	mg/Nm³	

End of Report



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Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana) MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001



Test Report

Sample Number:

VEL/ S/05

Name & Address of Party:

M/s JK Cement Works

(Unit of JK Cement LTD Vill. & PO-Gotan

Dist. Nagaur Rajasthan

Report No .:

VEL /S/2206300002

Format No.:

7.8 F-03

Party Reference No.:

GTN/WH/PUR/37/022/2022-23

Dated 03/06/2022

Sample Description:

Stack Emission Monitoring

Reporting Date:

Period of Analysis:

05/07/2022 30/06/2022-05/07/2022

Receipt Date:

30/06/2022

General Information

Sampling Location

Sample Collected By

Date of Sampling

Sampling duration (Minutes)

Stack Attached to

Mack of Stack

Diameter of Stack (m)

Height of Stack (m)

Instrument calibration status

Meteorological Condition

Ambient Temperature - Ta (°C) Temperature of Stack Gases - Ts (°C)

Velocity of Stack Gases (m/sec.)

Flow rate of PM (LPM)

Flow rate of Gas (LPM) Sampling condition

Protocol used

DG Set No. (350 KVA)

VEL Team

27/06/2022

29 min (15:00 to 15:29 Hrs.)

DG Set

Iron

0.15 m

45 m

Calibrated

Clear Sky

42

128 10.84

34

2.0

OK

IS:11255 & EPA

RESULTS

S. No.	Parameters	Test Method			
1	Particulate A4		Results	Units	Limits
	Particulate Matter (PM)	IS: 11255 (P-1), Gravimetric Method	0.11		
2,	Sulphur Dioxide as (SO ₂)		0,11	gm/kw-hr	<0.2
	Oxide of Nitrogen as (NO _X)	IS: 11255 (P-2), Titrimetric Method	5.64	gm/kw-hr	Not Specifie
4.	Total Hydrocarbon (as HC)	IS: 11255 (P-7). Colorimetric Method	1.41	gm/kw-hr	<4.0
5.	Carbon Monoxide as (CO)	#SOP, SP-194, Issue No. 01	0.58	gm/kw-hr	
1725	13 (CO)	#SOP, SP-74. Issue No. 01	0.96	gm/kw-hr	<3.5

End of Report











Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana) MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001



Test Report

Sample Number:

Name & Address of Party:

VEL/ S/06

M/s JK Cement Works

(Unit of JK Cement LTD Vill. & PO-Gotan

Dist. Nagaur Rajasthan

Report No .:

VEL /S/2206300003

Format No.:

7.8 F-03

Party Reference No.:

GTN/WH/PUR/37/022/2022-23

Dated 03/06/2022

Sample Description:

STACK EMISSION MONITORING

Reporting Date:

Period of Analysis:

05/07/2022

30/06/2022-05/07/2022

Receipt Date:

30/06/2022

Sample Collected

Date & Time of Sampling Sampling Location

Stack Attached

Sampling duration (Minutes) Make Of Stack

Meteorological Condition

Stack Diameter Stack Height

Instrument calibration status Ambient Temperature - Ta (°C)

Temperature of Stack Gases - Ts (°C) Velocity of Stack Gases (m/sec.) Flow rate of PM (LPM) Flow rate of Gas (LPM)

Sampling condition Protocol used

Vardan EnviroLab Team

28/06/2022 (16:10 to 16:34) Lime Stone Crusher

Bag Filter

24.0 MS

Clear Sky

0.8 m

30 m

Calibrated 42

49 10.47

41

2.0 OK

IS-11255 & CPCB Guidelines

RESULTS

S. No.	Parameter	Protocol	Results	Units	Limits
1.	Particulate Matter as (PM)	IS 11255 (D. IV. C		ACS # 43 HI & 1 TO	
		IS 11255 (P-1), Gravimetric Method	20.32	mg/Nm ³	30

End of Report



(Approved B)



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Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana) MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001



Test Report

Sample Number:

Name & Address of Party:

VEL/ S/02

M/s JK Cement Works

(Unit of JK Cement LTD Vill. & PO-Gotan

Dist. Nagaur Rajasthan

Report No .:

VEL /S/2206300004

Format No.:

7.8 F-03

Party Reference No.:

GTN/WH/PUR/37/022/2022-23

Dated 03/06/2022

Sample Description :

STACK EMISSION MONITORING

Reporting Date:

Period of Analysis:

05/07/2022 30/06/2022-05/07/2022

Receipt Date:

30/06/2022

Sample Collected

Date & Time of Sampling Sampling Location

Stack Attached

Sampling duration (Minutes)

Make Of Stack

Meteorological Condition

Stack Diameter

Stack Height

Instrument calibration status

Ambient Temperature - Ta (°C) Temperature of Stack Gases - Ts (°C)

Velocity of Stack Gases (m/sec.)

Flow rate of PM (LPM)

Flow rate of Gas (LPM) Sampling condition

Protocol used

Vardan EnviroLab Team

27/06/2022 (10:30 to 10:48)

Pet Coke/Coal Mill

Bag Filter

18.0

MS Clear Sky

0.85 m

41 m

Calibrated

41

66

14.77

55

2.0

OK

IS-11255 & CPCB Guidelines

RESULTS

S. No.	Parameter	Protocol	Results	Units	Limits
1.	Particulate Matter as (PM)	IS 11255 (P-1), Gravimetric Method		Sept.	Part of
		to 17, Gravimente Method	11.92	mg/Nm³	30











Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana) MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001



Test Report

Sample Number:

Name & Address of Party:

VEL/ S/01

M/s JK Cement Works

(Unit of JK Cement LTD Vill. & PO-Gotan

Dist. Nagaur Rajasthan

Report No .: Format No.:

Party Reference No.:

VEL /S/2206300005

7.8 F-03

GTN/WH/PUR/37/022/2022-23

Dated 03/06/2022

Sample Description:

STACK EMISSION MONITORING

Reporting Date:

Period of Analysis:

05/07/2022

30/06/2022

30/06/2022-05/07/2022

Receipt Date:

Sample Collected

Date & Time of Sampling Sampling Location

Stack Attached

Sampling duration (Minutes)

Make Of Stack

Meteorological Condition

Stack Diameter

Stack Height

Instrument calibration status Ambient Temperature - Ta (°C)

Temperature of Stack Gases - Ts (°C) Velocity of Stack Gases (m/sec.)

Flow rate of PM (LPM) Flow rate of Gas (LPM) Sampling condition

Protocol used

Vardan EnviroLab Team

27/06/2022 (09:15 to 09:55)

Grate Cooler

ESP 40.0

MS

Clear Sky

2.0 m

30.0 m

Calibrated

110

7.61

25

NA

OK

IS-11255 & CPCB Guidelines

RESULTS

S. No.	Parameter	Protocol	Results	Units	Limits
1.	Particulate Matter as (PM)	IS tipes on the			
		IS 11255 (P-1), Gravimetric Method	20.92	mg/Nm³	30













Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana) MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001



Test Report

Sample Number:

Name & Address of Party:

VEL/ S/03

M/s JK Cement Works

(Unit of JK Cement LTD Vill. & PO-Gotan

Dist. Nagaur Rajasthan

Report No.:

VEL /S/2206300006

Format No.: Party Reference No.:

7.8 F-03

GTN/WH/PUR/37/022/2022-23

Dated 03/06/2022

Sample Description :

STACK EMISSION MONITORING

Reporting Date:

05/07/2022

Period of Analysis:

30/06/2022-05/07/2022

Receipt Date:

30/06/2022

Sample Collected

Date & Time of Sampling Sampling Location

Stack Attached

Sampling duration (Minutes)

Make Of Stack

Meteorological Condition

Stack Diameter

Stack Height

Instrument calibration status

Ambient Temperature - Ta (°C)

Temperature of Stack Gases - Ts (°C) Velocity of Stack Gases (m/sec.)

Flow rate of PM (LPM)

Flow rate of Gas (LPM) Sampling condition

Protocol used

Vardan EnviroLab Team

27/06/2022 (11:20 to 11:47) Cement Mill /Packing Plant

Bag Filter

27

Iron Clear Sky

1.28 m

30 m

Calibrated

62

9.65

37

NA OK

IS-11255 & CPCB Guidelines

RESULTS

S. No.	Parameter	Protocol	Results	Units	Limits
1.	Particulate Matter as (PM)	16 110cc m v			
1		IS 11255 (P-1), Gravimetric Method	14.15	mg/Nm ³	30











Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana) MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001



Test Report

Sample Number:

Name & Address of Party:

VEL/ S/07

M/s JK Cement Works

(Unit of JK Cement LTD Vill. & PO-Gotan

Dist. Nagaur Rajasthan

Report No .:

VEL /S/2206300007

Format No.:

7.8 F-03

Party Reference No.:

GTN/WH/PUR/37/022/2022-23

Dated 03/06/2022

Sample Description:

STACK EMISSION MONITORING

Reporting Date:

05/07/2022

Period of Analysis:

30/06/2022-05/07/2022

Receipt Date:

30/06/2022

Sample Collected

Date & Time of Sampling Sampling Location

Stack Attached

Sampling duration (Minutes)

Make Of Stack

Meteorological Condition

Stack Diameter

Stack Height

Instrument calibration status

Ambient Temperature - Ta (°C) Temperature of Stack Gases - Ts (°C)

Velocity of Stack Gases (m/sec.)

Flow rate of PM (LPM)

Flow rate of Gas (LPM)

Sampling condition

Protocol used

Vardan EnviroLab Team

28/06/2022 (17:00 to 17:37) Read Mix Dry Motor Plant(20 TPD)

Bag Filter

37

Iron Clear Sky

Calibrated

42

6.57

NA

OK

IS-11255 & CPCB Guidelines

RESULTS

S. No. Parar	neter	Protocol	Results	Units	Limits
1. Particulate Matter	as (PM)				
	do (7 IVI)	IS 11255 (P-1), Gravimetric Method	18.52	mg/Nm³	30

End of Report









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Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana) MoEF&CC Recognized | ISO 9001 | ISO 14001 | ISO 45001



Test Report

Sample Number:

Name & Address of Party:

VEL/JK/WW/01

M/s JK Cement Works

(Unit of JK Cement LTD Vill. & PO-Gotan

Dist. Nagaur Rajasthan

Report No .: Format No.:

VEL/WW/2206300001

30/06/2022 to 05/07/2022

7.8 F 03

GTN/WH/PUR/37/022/2022-23

Dated 03/06/2022

Sample Description:

Sampling Location: Sample Collected by

Preservation:

Sampling & Analysis Protocol

Waste Water (STP Treated Water)

300 KLD STP

Vardan EnviroLab Representative

Refrigerated

APHA 23rd Edition 2017 & 1S-3025

Party Reference No.:

Reporting Date: Period of Analysis:

Receipt Date:

30/06/2022 Sampling Date:

Sampling Type: Sample Quantity: 28/06/2022

05/07/2022

Grab 2.0 Ltr.

TEST RESULTS

S. No.	Test Parameters	Test Method	Result	Unit	Prescribed
1.	pH (at 25°C)	A DOMESTIC OF THE OWNER			Limit
2.	Total Suspended Solids	APHA 4500H+ B Electrometric Method	7.63		5500
	T and d wilds	APHA 2540 D Gravimetric Method	10.2	mg/L	5.5-9.0
3.	Temperature	APHA 2550 B Thermometer Method	27.8	°C	Shall not exceed 5° above the receiving water
4.	Oil & Grease	APHA 5520 B Partition Gravimetric Method			temp.
5	Ammonical Nitrogen (as NH3-N)	IS 3025 (P-34) Titrimetric Method	1.9	mg/L	10
5.	Total Kjeladahl Nitrogen (as N)	IS 3025 (P 34) Infimetric Method	9.6	mg/L	50
7.	BOD (5 Days at 20°C)	IS 3025 (P-34) Kjeldahl Method	17.9	mg/L	100
3.	Chemical Oxygen Demand	APHA 5210 C Ultimate BOD Test	24.6	mg/L	30
	Chloride as Cl	APHA 5220 B Open Reflux Method	122.8	mg/L	250
-	Sulphide (as S)	APHA 4500 CI B Argentometric Method	792.1	mg/L	
1.	Residual Free Chlorine	APHA 4500 S2- F Iodometric Method	0.28	mg/L	Not Specified
1157	Fecal Coliform	APHA 3500 Cl B Iodometric Method	0.22		2
	r ccar Comorm	IS 1622:1981	<2	mg/L MPN/100ml	<1000













ANNEXURE:

JKC	A0920			6/6	L	DV/R	NVA		NV/R	THT (IN	CMC	VT (IN KG)			ANNI	2022	_
JKC	A0930 A1040	THE PARTY OF THE P	RWAL	6/6		6/6	N-6		N-6	178	9	VI (IN KG)		ECG		METRY	SPI
JKC				6/6			N-6	1	V-6	171	9		O-VE	NOR	MALINORMA	M	NO
JKC	A1110	ANAND KUMAR SONI		6/6		6/6 6/6	N-6	1	V-6	175		7.7	O+VE	NOR	MAL NORMA	\L	NOF
JKC	A1240	ANDHAN KUMAR		6/6		The same of the sa	N-6 (CGLS	V-6 C GLS	177		7.5	AB-VE		MAL ML LE		MIL
JKC	M1240	ANIL KUMAR			CIC	6/6 6/6 C GL	N-6	1	V-6	176		7.3	O+VE	1.001.11	MAL ML LE		NOF
JKC	A1380	ASHUTOSH MOHAN SHAR	MA	6/6				GLS	I-6 C GLS	166		.9	O+VE		AL NORMA	1	NOF
JKC				The second second		5/6	N-6	N.	1.0	1000	84		B+VE	NORN	MAL NORMA	1	NOF
JKC	B0720	BHANWAR PURI		6/6		6 C GL	S N-6 C	GLS N	-6 C GLS	172	63		O+VE	NORN	AL NORMA		NOF
JKC	B0760	BHAWANI LAL DHAKER		6/6	10	0/0	N-6 C	GLS N	-6 C GLS	172	62		B+VE	NORM	AL NORMA		NOR
JKC	100780	BHUPENDRA PRASAD SHA	RMA	6/6		/6	N-6	N	-6	171	70		B+VE	INORM	ALMILE		NOR
JKC	100000	BAL MUKUND SEN		6/6		/6	N-6	N-	-6	164	66	_	AB+VE	NORM	AL NORMAL		NOR
	B0950	BHERU LAL DANGI		6/9		/6	N-6	N-	-6	166	91		B+AF	NORM	AL NORMAL	1	VOR
	D0600	DEEPAK GANDHI		6/6		/6	N-6	N-	6	163.5			O+VE	NORM	AL NORMAL	1	VOR
JKC	D0610	DINESH KUMAR JANGID			-	/6	N-6	N-	6	172	56.	-	O+VE	NORM	AL NORMAL		VOR
SING	D0630 [[CHOULAND T		6/6		6	N-6	N-		171	71.		O+VE	NORM	AL ML BE	-	IOR
0110	DODGO II	JEEPAK DEORA		6/6 C		6 C GLS	N-6 C	GLS N-	6 C GLS	167	88		B+VE	NORM	AL NORMAL		IORI
JKC	D0700 [DILEEP SINGH		6/6	6/		N-6	IN-	6	175	79		O-VE	NORM/	ALINORMAL		IORI
JKC	D0720 [DASHRATH SINGH		- Contraction -	6/		N-6 C	GLS N-	0000		77		4+VE	NORMA	AL NORMAL		ORA
JAC	D0770 [HARMESH SHADAA		6/9 C (-	6 C GLS	N-6 C	GLS N-	C GLS	160			AB+VE	NORMA	ALINORMAL		ILD
UNC I	DU840 ID	ALIP SHARMA		6/6	- 27	9	IN-6	N-6		165	70 64		S+VE	NORMA	LINORMAL	N	ORN
JKC I	00860 D	ILIP BHARADIYA		6/6	6/		N-6	N-E		168	71		3+VE	NORMA	LINORMAL		ORN
JKC F	0030 F	EP SINGH		6/6	6/6		N-6	N-E	1	72.5	92		+VE	NORMA	LINORMAL		ORM
IKC C	30370 G	ANPAT SINGH BHATI		6/6 C G	6/6		N-6 C (GLS N-6	0010	-	70		+VE	NORMA	LINORMAL		ORM
INC IC	20420 IG	OVIND SHARMA		6/6 C G		CGLS	IN-6 C C	SINE	COLO	68	68	-	+VE	NORMA	LNORMAL	NO	ORM
INC I	60440 G	HEESA LAL SWAMI		6/6	LO JOIL	COLO	N-9 C C	SLS IN-6	CGISI	72	84	7760	+VE	NORMA	LMLBE	No	ORM
NC C	50510 G	OPAL LAI SHARMA			0/0		N-6 C C	SINE	COLOLA	68	77		+VE	NORMA	LMLIF		ORM
NC H	10300 H	ARI SINGH		6/6 C G		C GLS	N-6 C C	SINE	COLCI	70			+VE	NORMAI	LMLLE		ORM.
KC H	10370 H	MANT PAREEK		6/6 C G	LO 0/0	C GLS	N-6 C G	LS N-6	C GLS 1	73	69		+VE	NORMAL	LINORMAL		DRM
KC 10	030 IN	DAR SINGH RAO		6/6	10/0		N-b	INL6	145	73	64		+VE	VORMAL	MLIF		ORM
6.0	0210 JA	SDEV SINGH RATHORE		6/6 C G	-	C GLS	N-6 C G	LS N-6	C GLS 1		68.7		+VE I	NORMAL	NORMAL		RM
	1240 JA	GDISH CHAND SHADMA		6/6	0/6		N-6	N-6		56	68.5		+VE I	NORMAL	MLLE	NO	RMA
	0450 KI	SHORE SINGH	_	6/6	6/6		N-6 C G		C GLS 17		84		VE I	NORMAL	ML BE	NO	RMA
	0470 KH	USHAL ASERI		6/6	6/6	1	V-6	N-6	117	14	60		VE I	JORMAL	NORMAL		RMA
	3480 KE	DAR MAL KURMI		6/6 C GI	S 6/6	C GLS I	V-6 C G	LS N-6	C GLS 17	1	64.6		VE N	IORMAL	NORMAL		RMA
	1530 KA	LU RAM SHARMA		6/6	6/6						95.9	The same of	AE V	IORMAL	NORMAL		RMA
	1580 KU	LDEEP SINGH		6/9 C GL	S 6/9	CGLS	1-8 C GI	CNO	2 01 0	de la companya della companya della companya de la companya della	102	This state of	VE N	ORMAL	NORMAL		RMA
C KO	710 KA	MLESH CHOUDHARY		A C C	S 6/6	CGLS	V-6 C GL	S N-6	GLS 17	7	66.5	0+	AF IV	ORMAL	ML BE		RMA
LU	340 ILAL	IT KUMAR			0/0	N	1-6	N-6	17		93	0+	VE N	ORMAL	NORMAL		RMA
C MO	770 MA	NISH JAIN		6/6	6/6	N	1-6	N-6	175		84.7	A-1	E N	ORMAL	MLLE		RMA
C Mo	930 MO	HAN LAL SARAN		6/6	6/6	N	1-6	NE	470		63.5	0+	VE N	ORMAL	NORMAL		RMAI
C M1	180 MU	KESH KUSHWAHA		6/6 C GL		GLS N	-6 C GL	S N-6 C	GLS 17		65	B+1	E N	ORMAL	MLRE	NOF	
C IMT	260 [MAI	HAVIR GUSAL		6/6 C GL	S 6/6 C	GLS N	-6	N-6	160		72	0+1	VE N	ORMAL	NORMAL	NOF	
C NO:	340 NIR	ANJAN JAINI		6/6	6/6	N	-8	N-8	160	and the same of th	44.7	A+\	E N	ORMAL	NORMAL	NOR	
C No:	370 NAF	RENDRA SINGH SISODIA		6/6 C GLS	S 6/6 C	GLS N	-6	N-6	162		52	0+1	E N	DRMAL	NORMAL	NOR	
INU	SOU INAF	ESH KLIMAD DATLI		6/6	6/6	N-	-6 C GL	S N-6 C	GLS 172		51	AB+	VE N		NORMAL	NOR	
P06	70 IPRA	DEEP MUNDEL		6/6	6/6	N-	-6	N-6	182		78	0+1		DRMALI	ML BE	NOR	-
P0/	20 IPRA	KASH KLIMAR SAINI		6/6	6/6	N-	6	N-6	184		88	0-V	E NO	DRMAL I	ML BE	MILD	
P0/	40 IPAN	KAJ BHANDADI	_	6/6	6/6	N-	6	N-6	172		70	0+V	E NO	PRMALI	NORMAL	NOR	
P07	90 IPRA	DHAN SINGH CHAULIAN		6/6	6/6	N-	6	N-6	182		70	AB+		RMAL	VORMAL	NOR	
100	ZU IPRA	HLAD RAM GODADA		6/6 C GLS	_	GLS N-	6 C GLS	N-6 C	GLS 171		95.5	B+V		RMAL	NORMAL	NOR	
1109	40 IPAN	KAJ GOLITAM		5/6	6/6	N-		N-8	173		88.5	0+V	E INC	RMALIN	MIF	NOR	MAI
P09	80 PARI	MESHWARIAI		5/6	6/6	N-I	6	N-6	180		63	0+V	E NO	RMALIN	AL BE	MILD	REG
R12	90 ROH	IT PANPALIA		6/6	6/6	N-6	6	N-6	176		81.5	B+V	E NO	RMALIN	ORMAL	NOR	
R13	40 RAM	ESH CHAND SHARMA		5/6	6/6	N-6	5	N-6	167		70	0+V	E NO	RMALN	ORMAL	NORM	
R135	50 RAJE	SH KUMAR RATHORE		1/6	6/6	N-6		N-6 C	210 454		78.7	B+VE	NO	RMAL N	LBE	NORM	
R136	0 RAJE	EV RAI	6	/6 C GLS	6/6 C	GLS N-E	3	N-6			47	O+V	NO	RMAL M	IL BE	NORA	
R144	O RAM	RAJ BEDA	6	/6	6/6	N-E		NI C	184		79.5	O+VE	NO	RMAL N	ORMAL	NORN	
R145	O Dr P	ANJEET KUMAR BAGARIYA	6	6 C GLS	6/6 C	GLS N-6	CGIS	NLS C	160		54	B+VE	NO	RMAL N	ORMAL	NORN	
R149	0 RISH	RAJ AAROLIYA	-	0	6/6	N-6	2010	N-6			75	B+VE	NO	RMALN	ORMAL	MILD	
R160	O RAHI	IL AGARWAL		/6	6/6	N-6		N-6	183		85	B-VE	NO	RMALIN	ORMAL	NORN	
R161	O RAM	LAL PRAJAPAT S/O KALU R	6/		6/6	N-6		NIC	178		96.8	B+VE	NOI	RMALIN	ORMAL	NORM	
R162	0 REKH	A RAM PRAJAPAT		9 C GLS	6/9 C C	IS NE	COLC	NI C O C	1 40		74.5	B+VE	NOF	RMALIM	LIF	NORM	the second
R164	O RAME	SHWAR LAL SAIN	Car.	0000	6/6 C C	SLS N-6	CGLS	N-6 C C	15 160		83	B+VE	NOF	MAL MI	LRE	NORM	
R165	0 RANU	SIGNILI SIGNILI	-	-	6/9	N-6	CGIS	N-6 C C	LS 160		98.5	O+VE	NOF	MALIM	LLE	NORM	
R166	O RAM	EEVAN CHOUDHARY	6/		6/6	INL-6	CCICI	11000	1 60 1 1 100 100		58	O+VE	NOF	MAL NO	ORMAL	NORM	
R1670	RACH	UVEER SINGH SEKHAWAT	6/	9 C GLS	6/6 C G	LS N-6	CGIS	NECC	LO 175		55.5	O+VE	NOR	MAL NO		MILD F	AL DE CT
R1680	RAMI	AL DRA LABAT DE	6/6	6	6/6	N-6	CGIS	N-6 C G	15 160		37	A+VE	NOR	MAL MI	BE	MILD	ECT
R1710	RAMA	AL PRAJAPAT S/O ROOP R	AM 6/6	6	6/6	IN-6	CRICI	NICOO			33	AB+VI	NOR	MAL NO	DRMAL		
11.000	S TEXAMINE IN	IVVAS CHAUDHADV	6/6	CGLS	6/9 C G	SINE	CCICI	11000	- C		3.5	B+VE	NOR	MAL ML		NORM	
R1870	BANA	AL PRAJAPAT S/O PHOOLA RASAD SHARMA	6/6	CGLS	6/6 C G	LS N.S	CGIE	N-O C G	5 1/3		3	B+VE	NOR	MALIML	I.F.	MILD R	
R1890	PAMA	VATAD DE	6/6	5 6	5/6	N-6	CGLO	N-G C G	0 162		3.5	O+VE	NOR	MAL ML	An ex	MILD R	
P1800	DAME:	VATAR PRAJAPAT SH KUMAR	6/6		3/6	N-6	OLO I	N-6 C GI		-	4	B+VE	NOR	MAL NO	Carrie -	NORMA	
P1010	PANES	HANDS	6/6		5/6	N-6		V-6	172.5	8		O+VE	NOR	MAL ML	B. 50	NORMA	
B2020	ROUT	HANDELWAL	6/6	6	5/6	N.S	10	V-6	179	8		A+VE	NOR	MAL NO		NORMA	
R2060	PAVES	SINGH RATHORE	6/6	C GLS 6	/6 C GI	SNEG	CICIA	V-6	163		4.5	O+VE	NOR	MAL NO		NORMA	
S2220	CANUES	H KUMAR ARYA	6/6	C GLS 6	/6 C GI	SINE	GLO	I S C GL	S 171		4.5	A+VE	NOR	MAL NO		NORMA	
-	SANJE	EV MUNDEL					OLS	v-b C GL		70		B+VE	NOR	MAL NO	the state of the s	WILD RE	
S2230		YMUWAL		C GLS 6	/6 C CI	S N.C		1-6	176	72	?	A+VE	NOR	MAL NOF		VORMA	
S2320	SAHDE	V SINGH RATHORE	6/6	CGISIO	/6 C C	S N-6	N	l-6	182	72		AB+VE	NOR	MAL NOF		ORMA	
52420	SRAWA	N KUMAR BENIWAI	6/6	C GLS 6	/6 C GL	0 IN-6 C	GLS	1-6 C GL	S 178	-	3.5	O+VE		AAL NO		NORMA	
S2530	SANJAY	KUMAR SHARMA	6/6	0	0	N-6	N	-6	169	60		O+VE	NODA	MAL NOF		ALD RE	
52550	SUREN	DRA SONI	6/6	6/		N-6		-6	180	74	-	A+VE	NORN	AL NOF	0.00	IORMA	
S2680	SANJAY	KUMAR CHOUDHARY	The second lines	6/	The same of the sa	N-6	N	-6	178	62			NORN	IAL ML E		IORMAI	
52/00	SUDHIR	KUMARTIMBA	6/6	6/	6	N-6	N	-6	100	75		0+VE	NORN	AL NOF	MAL N	ORMAI	
152720	SAURAE	BH KATIYAR	0/6	C GLS 6/	6 C GL	S N-6 C	GLS N	-6 C GL	1101	58		A+VE	NORN	AL NOR	RMAL	ORMAL	
LOSIED			118/Fs /	12 0 101	E A AL	the same	-		- Total Control of the Control of th	190	- 1	B+VE				ORMAL	

JKC	S2770	SHUBHAM SRIVASTAVA										
JKC	S2820	SANJAY KUMAR DUBE	6/6 C GL	S 6/6 C GLS	N-6 C GLS	TNICOOLO						
JKC	S3020	SURENDER SINGH SHAKTAI	6/6	6/9	N-6	N-6 C GLS		107.5	B+VE	NORMAL	NORMAL	
KC	S3070	SHAITAN SINGH RAJPUT	WAT 6/6	6/6	N-6	N-6	178	82		NORMAL	NORMAL	MILD REST
(C	S3160	SUMIT KUMAR KUMAWAT	6/6	6/6	1.1.1	N-6	182	78		NORMAL	NORMAL	NORMAL
C	T0160	TE IA DAMAR KUMAWAT	6/6	6/6	-	N-6	171.5	77		NORMAL	NORMAL	NORMAL
	T0170	TEJA RAM DEVASI	6/6 C GLS	S G/E C CL C	N-6	N-6	173	63.4	The second secon	NORMAL	NORMAL	NORMAL
C	10170	TARUN KUMAR CHHIPA	6/6	6/6	N-6 C GLS	N-6 C GLS	166	67.8	The state of the s	NORMAL	NORMAL	NORMAL
C	V05.40	UMA SHANKAR MEHTA						76	A-VE	NORMAL	NORMAL	MILD REST
	V0540	VISHAL AVASTHI	6/6 C CL C	6/9 C GLS	N-6 C GLS	N-6 C GLS	164	65	A+VE	NORMAL	NORMAL	NORMAL
<u>_</u>	VU5/U	VIKAS PALIWAL	6/6	TOTO C GES	N-6 C GLS	N-6 C CLS	166	63.5	B+VE	NORMAL	NORMAL	NORMAL
			10/0	6/6	N-6	N-6	175	75.7	O+VE	NORMAL	NORMAL	NORMAL
		ALL STATE OF THE S				355		175.7	B+VE	NORMAL	NORMAL	NORMAL

