

JK Cement LTD.

CIN : L17229UP1994PLC017199

ISO 9001:2008, ISO 14001:2004 & OHSAS 18001 : 2007 CERTIFIED COMPANY

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Web : www.jkcement.com

J.K. Cement Works
Kailash Nagar - 312617, Nimbahera
Distt. Chittorgarh (Raj.) INDIA

Our Ref. No.: NBH/PC-14/C14/ *h 298*

Regd.AD.

Date: 26.11.2019

To,
The Additional Director, (M)
Indira Paryavaran Bhavan,
JOR Bagh Road,
Near JOR bagh Metro station
New Delhi 110003

Sub: Environmental Clearance Compliance report of Nimbahera-Ahирра Limestone Mine.
Ref.: EC letter no. - J-11015/83/2004-IA.II dated. 30th May 2005

Dear Sir,

With reference to above stated Environment Clearance (EC) accorded for our Nimbahera-Ahирра Limestone Mine. Please find attached herewith six monthly compliance report along with Environment Monitoring Data (Core zone & Buffer Zone) for the **period from April' 2019 to Sept' 2019**. As per MoEF & CC notification no. S.O. 5845 (E) 26.11.2018 the same soft copy has been send to email id. roc.z.lko-mef@nic.in, moef@nic.in, menv@rediffmail.com, ccb.cpcb@nic.in, member-secretary@rpcb.nic.in, cpcb.bhopal@gmail.com for your kind reference and record please. We trust you will find the same in order.

Thanking you,

Yours Faithfully
For J.K. Cement Works, Nimbahera

S.K. Acharya
Head (Environment & Power Management)

Go Singh
Encl: a/a

Copy to:

The Director, Ministry of Environment, Forests & Climate Change, Regional office (Central Region), Kendriya Bhawan, 5th Floor, Sector 'H', ALIGANJ, **LUCKNOW- 226020 (U.P.)**

The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-CUM office complex, East Arjun Nagar, Maharaja Surajmal Marg, Vishwas Nagar Extension, Viswas nagar Shahdara- Behind Karkarduma high court New Delhi 110032

Member Secretary, Rajasthan State Pollution Control Board, 4, Institutional Area, Jhalana Doongri, JAIPUR - 302004 (RAJASTHAN)

Corporate & Registered Office : Kamla Tower, Kanpur-208001, (U. P.) INDIA
Phone : +91-512-2371478 to 81 Fax : 2399854 E-mail : ho.grey@jkcement.com



J. K. Cement Works, Nimbahera
J. K. Cement Works Mangrol
J. K. Cement Works, Gotan
J. K. Cement Works, Jharli

J. K. Power, Bamania
J. K. Cement Works, Muddapur
J. K. White Cement Works, Gotan
J. K. White, Katni





JK Cement LTD.

**HALF YEARLY COMPLIANCE REPORT
OF
ENVIRONMENTAL CLEARANCE LETTER NO.**

J-11015/83/2004-IA.II Dated 30.05.2005

Period: Apr-19 to Sept-19

**For
Expansion of Nimbahera-Ahirpura Limestone Mine Production
Project: Limestone 1.4 MMTPA to 2.0 MMTPA**

**Submitted to:
MoEF& CC, New Delhi & Central Regional Office, Lucknow (UP)
Central Pollution Control Board, New Delhi & Bhopal
Rajasthan State Pollution Control Board, Jaipur**

**Submitted by:
M/s J.K.CEMENT WORKS, NIMBAHERA,
Kailash Nagar, Tehsil: Nimbahera, District: Chittorgarh (Raj)**



**JK SUPER
CEMENT
BUILD SAFE**

Validity of the statutory approvals obtained in compliance of EC:

- Environmental Clearance issued by Ministry of Environment, Forest and Climate Change for expansion of Limestone -1.4 MMTPA-2.0 MMTPA vide letter no - J-11015/83/2004-IA.II Dated 30.05.2005.
- Consent to Establish has been obtained under Air Act for the expansion in production capacity of 2.0 MTPA vide letter no. F. 12 (CH-21) RPCB/ Gr.III/ 245 - dated 06.08.2005 dated 06/06/2005 & Water Act vide letter no. F. 12 (CH-21) RPCB/ Gr.III/ 248 dated 06.08.2005 dated 06/06/2005 and obtained Corrigendum - vide letter No. F. 12 (CH-21) RPCB/ Gr.III/ 2693 dated 19.01.2006.
- Consent to operate has been obtained under Air & Water act for upgraded production capacity 2.0 MMTPA vide letter no. F (Mines)/ Chittorgarh (Nimbahera)/ 1869 (1)/ 2017 - 2018/ 2136 - 2140 dated 20.06.2017 Validity 01.06.2017 to 31.05.2022.

COMPLIANCE REPORT OF CONDITIONS LAID DOWN IN ENVIRONMNET CLERANCE OF NIMBAHERA-AHIRPURA MINE (Period April 2019 to September 2019) Dated 26.11.2019

S.No.	Condition	Status
	(A) Specific Conditions	
(I)	The environmental clearance is subject to approval of the State Land use Department, Government of Rajasthan for diversion of agricultural land for non-agricultural use.	Mining lease was initially executed on 23.02.1968 and it was renewed (Second renewal) from 23.02.1998. Approval, for agriculture land used for Mining has been taken. No mining will be carried out before taking approval for non-agricultural use.
(II)	Topsoil and wastes, if any, should be stacked properly with proper slope at earmarked site(s) with adequate measures and should be used for reclamation and rehabilitation of mined out area.	Agreed and being used for plantation only.
(III)	Catch drains and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows from soil and mineral dumps. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly desilted and maintained properly. Garland drain (size, gradient & length) and sump capacity should be designed keeping 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of silt material.	Garland drain system maintained all around the mining pit, outside the mining limit for proper water harvesting. Check dams & siltation ponds are provided to control the inflow of sediments, silt in & around the mine working. There is no generation of waste except interstitial clay & all the blasted material is used for manufacturing of cement.
(IV)	Green belt should be raised within and out site lease area and also along the roads. In addition to the existing 30.81 ha area brought under plantation, an additional area of 2.2 ha. should be brought under green belt development by planting the native plant species in consultation with local DFO/ Agriculture Department. The density of the trees should be around 2500 plants per ha.	Complied, Plantation done during the year 2019-20 (up to 30 th Sep. 2019) within lease 950 nos. plants covering 0.67 ha. new area, Outside lease - Nil nos. plants covering Nil ha new area. Total Planation done till date is 145483 nos. in inside and 153824 nos. in outside lease area. Till date Survival rate of plantation is 60.71% inside lease area and 55.1% outside lease area. Total plantation covered area till date is 47.27 ha in inside lease area and 16.05 ha outside lease area and green belt of 25.80 ha area.
(V)	The project authority should implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Control Ground Water Board.	Surface water during rainy season is collected in the lower bench of the mine to augment ground water resources. 1. Pit measuring 160mx51mx3.5m has been constructed in south side of cement plant to collect rainy water to augment water resources of nearby area. 2. Anicut & check dams have been constructed in the nallah draining the mining pit. 3. Constructed injection wells with filter pit in premises of plant & colony.
(VI)	Regular monitoring of ground water level and quality should be carried out by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring should be carried out four times in a year - pre-monsoon (April-May), monsoon	Reports are being sent regularly on schedule time. Last report of Ground Water Level & Quality for monsoon season (August' 2019) was sent on 10/09/2019.vide letter no. NBH/PC-

COMPLIANCE REPORT OF CONDITIONS LAID DOWN IN ENVIRONMNET CLERANCE OF NIMBAHERA-AHIRPURA MINE (Period April 2019 to September 2019) Dated 26.11.2019

	(August), post-monsoon (November) and winter (January) and the data thus collected may be sent regularly to MOEF, Central Ground Water Authority and Regional Director Central Ground Water Board.	14/C14/2740.
(VII)	The project authorities should obtain prior approval of the competent authority for drawal of groundwater required for the project.	We have obtained NOC for withdrawal of ground water from CGWA vide letter No 21-4(34)/WR/CGWA/2005-907 Dated 14/05/2018 and 21-4(34)/WR/CGWA/2016-1054 Dated 28/05/2018.
(VIII)	Suitable rainwater harvesting measures on long term basis shall be planned and implemented in consultation with Regional Director, CGWB.	Agreed, Rain water is harvested during rainy season in the bottom most benches.
(IX)	The mineral handling plant should be provided with adequate number of high efficiency dust extraction system. Loading and unloading areas including all the transfer points should also have efficient dust control arrangements. These should be properly maintained and operated.	Water spray is being done at crusher unloading hopper. Bag filter have been provided in crusher plant to prevent dust emission. Regular water spraying by deploying water tanker is done in the mineral handling area.
(X)	Consent to operate should be obtained from SPCB for the enhanced production.	Obtained vide letter No. F(Mines)/Chittorgarh (Nimbahera)/1869(1)/2017-2018/ 2136 - 2140 dated 20.06.2017 (for five years) under air & water act.
(XI)	Vehicular emission should be kept under control and regularly monitored.	Agreed. Copy of PUC is enclosed as <i>annexure-I</i>
(XII)	Blasting operation should be carried out only during the daytime. Controlled blasting should be practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented.	Use of sequential blasting Machine (SBM) Delay Detonator, Non Electric detonator, Regular monitoring of ground vibration is being practised. Vibration report is enclosed as <i>annexure-II</i>
(XIII)	Drills should either be operated with dust extractors or should be equipped with water injection system.	Arrangement of wet drilling in all drill M/C is made to suppress the dust at its generation itself.
(XIV)	Digital processing of the entire lease area using remote sensing technique should be done regularly once in three years for monitoring land use pattern and report submitted to MOEF and its regional office.	Agreed, We have submitted report of digital processing in the entire lease area on 29/03/2017 vide Latter No. - NBH/PC-14/055.
(XV)	A Final Mine Closure Plan along with details of Corpus Fund should be submitted to the Ministry of Environment & Forest 5 years in advance of final mine closure for approval.	Progressive mines closure plan is prepared along with approved Modified Mining Plan. No plan of mine closure in coming 4 years.
(I)	(B) General Conditions :- No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment and Forests.	Agreed, Mining is being in accordance with approved Modified Mining Plan.
(II)	No change in the calendar plan including excavation, quantum of mineral limestone and waste should be made.	Agreed, Mining is being in accordance with approved Modified Mining Plan.
(III)	Conservation measures for protection of flora and fauna in the core & buffer zone should be drawn up in consultation with the local forest department and experts.	Agreed and it is being done accordingly.
(IV)	At least four ambient air quality monitoring station should be established in the core zone as well as the buffer zone for RPM, SPM, SO ₂ , NO _x , and CO monitoring. Location of the stations should	Monitoring report is being sent to the concerned authority on six monthly basis. Latest report on Ambient Air Monitoring is

COMPLIANCE REPORT OF CONDITIONS LAID DOWN IN ENVIRONMNET CLERANCE OF NIMBAHERA-AHIRPURA MINE

(Period April 2019 to September 2019) Dated 26.11.2019

	be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board. Data on ambient air quality (RPM, SPM, SO ₂ , NO _x , and CO) should be regularly submitted to the Ministry including its Regional Office at Lucknow and to the State Pollution Control Board / Central Pollution Control Board once in six months.	enclosed as <i>annexure-(III)</i>
(V)	The data on environmental quality should be collected and analysed either through an in-house environmental laboratory established with adequate number and type of pollution monitoring and analysis equipment or got analysed through an approved laboratory under the Environment (Protection) Rules, 1986 in consultation with the State Pollution Control Board.	Complying with. We are carrying out regular environment quality monitoring through in house Environment Laboratory. We have adequate no. and type of pollution monitoring & analysis equipment.
(VI)	Fugitive dust emissions from all the sources should be controlled regularly monitored and data recorded properly. Water spraying arrangements on haul roads, wagon loading, dumps, loading & unloading points should be provided and properly maintained.	Agreed & being implemented to control fugitive dust emission by regular water spraying arrangements.
(VII)	Adequate measures should be taken for control of noise levels within prescribed standards. Workers engaged in blasting and drilling operations, operations of HEMM, etc. should be provided with ear plugs/muffs.	Regular maintenance (including silencer, cabin) of HEMM being done to keep noise level within the specified limits.
(VIII)	Industrial wastewater (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422(E) dated 19th May 1993 and 31st December 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of effluents from workshop.	Complied, Generated waste water collected in pit and use in dust suppression in coal yard. Oil & grease trap has been constructed at the service station before discharge of effluent from workshop and trapped oil and grease is sold to authorized recycler.
(IX)	Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and healthy aspects. Occupational health surveillance programme of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.	Persons engaged in drilling, dozing & loading have been provided with dust masks. VT is being provided as under required VT Rules. Regular periodic check-up of workers is being carried out.
(X)	Environmental laboratory should be established with adequate number and type of pollution monitoring and analysis equipment in consultation with the State Pollution Control Board.	We have environmental laboratory with sufficient pollution monitoring & analysis equipment.
(XI)	A separate environmental management cell with suitable qualified personnel should be set up under the control of a senior Executive, who will report directly to the Head of the organisation.	A separate environmental management cell with adequate qualified personnel is already established.
(XII)	The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the Regional Office, Lucknow of the MOEF and to the Ministry.	A separate fund is kept for environment protection measures & report is being sent regularly to the concerned authority. Environment expenditure for 2018-2019 and Proposed FY Budget 2019-2020 detail report is submitted vide letter no. NBH/PC/14/C14/954 dated 28.05.2019.
(XIII)	The Regional Office of this Ministry located at Lucknow shall monitor compliance of the stipulated conditions. The Project authorities should extend full cooperation to the officer(s) of the Regional Office by furnishing requisite data/information/monitoring reports.	Agreed. We extend full cooperation to the officer(s) of the Regional Office by furnishing requisite data/information/monitoring reports.
(XIV)	A copy of the clearance letter will be marked to the concerned Panchayat / local NGO, if any, from	Agreed

COMPLIANCE REPORT OF CONDITIONS LAID DOWN IN ENVIRONMNET CLERANCE OF NIMBAHERA-AHIRPURA MINE
(Period April 2019 to September 2019) Dated 26.11.2019

	whom any suggestions / representation has been received while processing the proposal.	
(XV)	The project authorities should inform to the Regional Office located at Lucknow regarding date financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	Agreed
(XVI)	State Pollution Control Board should display a copy of the clearance letter at the Regional Office, District Industry Centre and Collector's / Tehsildar's Office for 30 days.	Complied
(XVII)	The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and may also be seen at web site of the Ministry of Environment and Forest at http://envfor.nic.in and a copy of the same should be forwarded to the Regional Office of this Ministry located at Lucknow.	Already done & the necessary information already sent to the concerned authority.

J.K. CEMENT WORKS, NIMBAHERA
J.K. Cement Limestone Mine (Murli Block)
PUC Certificate Details

Sr. No.	Tipper Reg. No.	Make	Year	PUC No.	Validity Upto
1	RJ09GB1928	ASHOK-LEYLAND	2015	D02RJ07106423	31-Oct-19
2	RJ09GB2628	ASHOK-LEYLAND	2015	D02RJ07106429	31-Oct-19
3	RJ09GB4828	ASHOK-LEYLAND	2016	D02RJ07106434	31-Oct-19
4	RJ09GB4928	ASHOK-LEYLAND	2016	D02RJ07106435	31-Oct-19
5	RJ09GB5028	ASHOK-LEYLAND	2016	D02RJ07106433	31-Oct-19
6	RJ09GB5828	ASHOK-LEYLAND	2016	D02RJ07106432	31-Oct-19
7	RJ09GB8428	ASHOK-LEYLAND	2016	D02RJ07106468	1-Nov-19
8	RJ09GB8528	ASHOK-LEYLAND	2015	D02RJ07106467	1-Nov-19
9	RJ09GB8728	ASHOK-LEYLAND	2015	D02RJ07106469	1-Nov-19
10	RJ09GB8928	ASHOK-LEYLAND	2015	D02RJ07106471	1-Nov-19
11	RJ09GC0128	ASHOK-LEYLAND	2017	D02RJ07106415	31-Oct-19
12	RJ09GC0228	ASHOK-LEYLAND	2017	D02RJ07106416	31-Oct-19
13	RJ09GC0328	ASHOK-LEYLAND	2017	D02RJ07106421	31-Oct-19
14	RJ09GC2528	ASHOK-LEYLAND	2018	D02RJ07106470	1-Nov-19

S. D. Vairagi

S. D. Vairagi
Sr. Manager Mines

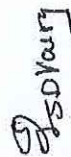
J.K. Cement LIMESTONE MINES, NIMBHERA (MURLIA BLOCK)

SUMMARY OF PRIMARY BLASTING FOR THE QUARTER 01 JULY. 2019 to 30 SEPT. 2019

S.NO.	Date of blast	Location	No. Of Holes	No. Of Rows	Depth of the hole feet	Charge per delay in Kg.	Distance of instrument from Blast site (in Mts.)	PPV MM /Sec.	Remarks
1	2	3	4	5	6	7	8	9	
1	01/07/2019	I st. S/M	9	ONE	24	23.15	200	2.79	GOOD
2	04/07/2019	I st. S/M	9	ONE	24	25.62	250	1.90	GOOD
3	14/07/2019	I st. S/M	12	ONE	23	23.84	250	2.67	GOOD
4	23/07/2019	I st. S/M	9	ONE	24	23.15	200	2.29	GOOD
5	02/08/2019	I st. S/M	9	ONE	24	22.84	300	2.16	GOOD
6	18/08/2019	II ndS/M	8	ONE	24	25.355	350	2.41	GOOD
7	25/08/2019	II ndS/M	8	ONE	24	27.61	300	2.16	GOOD
8	09-01-2019	II ndS/M	13	ONE	24	25.86	325	2.03	GOOD
9	09-07-2019	II ndS/M	11	ONE	24	26.01	200	2.54	GOOD
10	09-12-2019	II ndS/M	13	ONE	24	24.24	250	2.67	GOOD
11	28/09/2019	I st. S/M	9	ONE	24	18.83	350	2.64	GOOD



L.N. Tailor
Blasting Incharge

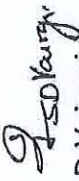


S.D. Vairagi
Mine Manager

J.K. Cement Limestone Mines, Nimbhera (Murlia Block)
VIBRATION SUMMARY OF PRIMARY BLASTING FOR THE QUARTER 01 APRIL, 2019 to 30 JUNE, 2019

S.NO.	Date of blast	Location	No. Of Holes	No. Of Rows	Depth of the hole feet	Charge per delay in Kg	Distance of instrument from Blast	PPV MM /Sec.	Remarks
1	2	3	4	5	6	7	8	9	
1	30/04/2019	II ND S/E	10	ONE	17	13.33	350	1.27	GOOD
2	20/05/2019	III RD S/E	20	TWO	15	14.10	350	1.40	GOOD
3	21/05/2019	III RD S/M	10	TWO	29	28.065	350	2.30	GOOD
4	09/06/2019	II ND S/M	8	ONE	25	21.71	350	2.23	GOOD
5	20/06/2019	III RD S/M	14	ONE	18	18.65	350	2.41	GOOD
6	23/06/2019	III RD S/M	18	TWO	16	11.57	350	2.44	GOOD
7	28/06/2019	III RD S/M	12	ONE	28	29.63	350	2.36	GOOD
8	29/06/2019	III RD S/M	12	TWO	18	20.84	350	2.74	GOOD


L.N. Tailor
Blasting Incharge


S.D. Vairagi
Mine Manager

**J.K. Cement WORKS, NIMBAHERA (RAJ)
NIMBAHERA - AHIRPURA LIMESTONE MINE
SIX MONTHLY AMBIENT AIR QUALITY & NOISE MONITORING REPORT**

1) AMBIENT AIR QUALITY SPM RESULTS : (ALL VALUES IN µg/M3)

Sample duration: 24 hourly sample,
(monthly average basis)

Month	Mines Gate					Near Mines Water Pump House					3 to10 Meter Distance From Drilling Operation					Near loading point			
	PM10	PM 2.5	SO ₂	Nox	CO	PM10	PM 2.5	SO ₂	Nox	CO	SPM	SO ₂	Nox	CO	SPM	SO ₂	Nox	CO	
Apr-19	68.3	43.9	13.8	25.1	796	68.5	48.9	14.2	25.0	716	398	17.6	26.1	744	393	13.9	24.1	704	
May-19	70.2	45.1	14.6	26.2	796	67.2	49.1	12.5	24.9	756	399	18.0	25.9	773	396	14.5	26.2	773	
Jun-19	69.1	35.6	14.0	24.1	739	74.7	49.2	15.5	25.5	744	404	16.9	26.9	784	390	14.6	26.1	796	
Jul-19	33.8	29.0	7.0	22.0	458	52.0	32.1	9.8	22.3	567	380	12.7	24.0	670	308	12.2	23.2	401	
Aug-19	29.4	18.4	4.2	20.9	406	47.5	29.7	8.6	21.2	578	378	11.7	22.0	744	301	6.4	17.4	452	
Sep-19	36.3	25.4	5.3	20.1	441	39.3	28.9	8.0	23.3	487	358	12.3	20.8	601	306	8.1	21.0	555	
AVERAGE	51.2	32.9	9.8	23.1	606	58.2	39.7	11.4	23.7	641	386	14.9	24.3	719	349	11.6	23.0	614	

2) NOISE LEVEL MEASUREMENT RESULTS : (ALL VALUES IN dB(A))

Month	Near Mines Gate		Near Mine Water Pump House	
	DAY	NIGHT	DAY	NIGHT
Apr-19	67.2	56.8	68.5	58.2
May-19	67.8	55.2	68.1	56.2
Jun-19	67.6	55.8	68.5	56.7
Jul-19	66.4	54.2	67.4	55.8
Aug-19	67.8	55.4	68.2	56.5
Sep-19	67.2	56.6	68.5	57.8

J.K. Cement WORKS, NIMBAHERA (RAJ)

NIMBAHERA - AHIRPURA LIMESTONE MINE

(Murlia Block)

SIX MONTHLY AMBIENT AIR QUALITY & NOISE MONITORING REPORT

1) AMBIENT AIR QUALITY SPM RESULTS : (ALL VALUES IN $\mu\text{g}/\text{M}^3$)

Sample duration: 24 hourly sample,
(monthly average basis)

Month	Near Mine Office					Near Ravana office				
	PM10	PM 2.5	SO ₂	Nox	CO	PM10	PM 2.5	SO ₂	Nox	CO
Apr-19	51.7	33.5	13.6	23.8	790.0	66.8	45.9	13.2	24.8	842.0
May-19	52.8	34.5	14.1	24.5	750.0	68	46.8	13.8	24.6	813.0
Jun-19	52.8	34.0	14.0	24.7	802.0	67.7	46.8	15.0	24.7	802.0
Jul-19	31.0	25.5	9.1	20.4	670.0	40.9	30.5	12.1	21.2	484.0
Aug-19	30.4	21.3	10.4	21.0	429.0	34.9	26.2	12.0	21.3	447.0
Sep-19	31.0	20.6	11.5	18.5	389.0	40.3	25.5	13.4	22.5	585.0

2) NOISE LEVEL MEASUREMENT RESULTS : (ALL VALUES IN dB(A))

Month	Near Mine office		Near Ravana office	
	NOISE LEVEL db(A)			
	Day Time	Night Time	Day Time	Night Time
Apr-19	64.6	55.9	68.4	56.3
May-19	65.2	54.7	67.4	55.8
Jun-19	66.0	55.5	67.0	56.3
Jul-19	66.5	54.9	67.8	55.8
Aug-19	67.7	55.8	68.9	56.4
Sep-19	66.8	54.7	69.2	57.0

Mitra S.K. Private Limited

Shrachi Center (5th Floor)
74B, Acharya Jagadish Chandra Bose Road
Kolkata - 700 016, West Bengal India
CIN: U51909WB1956PTC023037



TESTING • INSPECTION

T: 91 33 22172249 / 40143000 / 22650006 / 22650007
F: 91 33 22650008
E: info@mitrask.com
W: www.mitrask.com

TEST REPORT

Name & Address of the Customer :

J.K.Cement Works, Nimbahera
Distt. Chittorgarh (Raj.)

Report No. : MSK/UDR/2019-20/1044

Date : 27.09.2019

Sample No. : MSKGL/ED/2019-20/09/00631

Sample Description : Ambient Air

Sampling Location : Near Water Pump House (Ahirpura
Mine)

Date of Sampling : 20/21.09.2019

Reference No.& Date : e-mail did:23.04.2019

ANALYSIS RESULT

SL. NO.	Pollutants	Limit	Result	Method of Test Reference
1	Particulate matter (PM ₁₀) in $\mu\text{g}/\text{m}^3$	100	49	IS: 5182:(Part-23)-2006
2	Particulate matter(PM _{2.5}) in $\mu\text{g}/\text{m}^3$	60	30	TPM/MSK/ENV (AP) /01/03
3	Sulphur dioxide(SO ₂) in $\mu\text{g}/\text{m}^3$	80	8.9	IS: 5182 (Part-2)-2001
4	Nitrogen dioxide (NO ₂) in $\mu\text{g}/\text{m}^3$	80	32.8	IS: 5182 (Part- 6)-2006
5	Carbon monoxide(CO) in mg/m^3	2	0.68	IS 5182 :(Part-10) :1999

Note : Limit as per CPCB notification, New Delhi, 18th November 2009, For Ambient air Quality

Report Prepared By



Mitra S.K. Private Limited

Shrachi Center (5th Floor)
74B, Acharya Jagadish Chandra Bose Road
Kolkata – 700 016, West Bengal India
CIN: U51909WB1956PTC023037



TEST REPORT

T: 91 33 22172249 / 40143000 / 22650006 / 22650007
F: 91 33 22650008
E: info@mitrask.com
W: www.mitrask.com

Name & Address of the Customer :

J.K.Cement Works, Nimbahera
Distt. Chittorgarh (Raj.)

Report No. : MSK/UDR/2019-20/1045

Date : 27.09.2019

Sample No. : MSKGL/ED/2019-20/09/00632

Sample Description : Ambient Air

Sampling Location : Near Mine Office Ahirpura Block
(Ahirpura Mine)

Date of Sampling : 20/21.09.2019

Reference No.& Date : e-mail dtd:23.04.2019

ANALYSIS RESULT

SL. NO.	Pollutants	Limit	Result	Method of Test Reference
1	Particulate matter (PM ₁₀) in $\mu\text{g}/\text{m}^3$	100	54	IS: 5182:(Part-23)-2006
2	Particulate matter(PM _{2.5}) in $\mu\text{g}/\text{m}^3$	60	34	TPM/MSK/ENV (AP) /01/03
3	Sulphur dioxide(SO ₂) in $\mu\text{g}/\text{m}^3$	80	9.2	IS: 5182 (Part-2)-2001
4	Nitrogen dioxide (NO ₂) in $\mu\text{g}/\text{m}^3$	80	26.4	IS: 5182 (Part- 6)-2006
5	Carbon monoxide(CO) in mg/m^3	2	0.47	IS 5182 :(Part-10) :1999

Note : Limit as per CPCB notification, New Delhi, 18th November 2009, For Ambient air Quality

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TEST REPORT

Name & Address of the Customer :

J.K.Cement Works, Nimbahera
Distt. Chittorgarh (Raj.)

Report No. : MSK/UDR/2019-20/1048

Date : 27.09.2019

Sample No. : MSKGL/ED/2019-20/09/00635

Sample Description : Ambient Air

Sampling Location : Murlia Village (Ahirpura Mine)

Date of Sampling : 20/21.09.2019

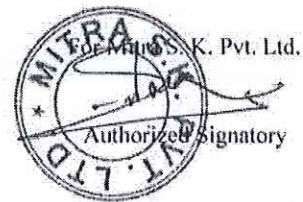
Reference No.& Date : e-mail dtd:23.04.2019

ANALYSIS RESULT

SL. NO.	Pollutants	Limit	Result	Method of Test Reference
1	Particulate matter (PM ₁₀) in $\mu\text{g}/\text{m}^3$	100	53	IS: 5182:(Part-23)-2006
2	Particulate matter(PM _{2.5}) in $\mu\text{g}/\text{m}^3$	60	31	TPM/MSK/ENV (AP) /01/03
3	Sulphur dioxide(SO ₂) in $\mu\text{g}/\text{m}^3$	80	12.8	IS: 5182 (Part-2)-2001
4	Nitrogen dioxide (NO ₂) in $\mu\text{g}/\text{m}^3$	80	22.4	IS: 5182 (Part- 6)-2006
5	Carbon monoxide(CO) in mg/m^3	2	0.40	IS 5182 :(Part-10) :1999

Note : Limit as per CPCB notification, New Delhi, 18th November 2009, For Ambient air Quality

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TEST REPORT

Name & Address of the Customer :

J.K.Cement Works, Nimbahera
Distt. Chittorgarh (Raj.)

Report No. : MSK/UDR/2019-20/1049

Date : 27.09.2019

Sample No. : MSKGL/ED/2019-20/09/00636

Sample Description : Ambient Air

Sampling Location : Ahirpura Village (Ahirpura Mine)

Date of Sampling : 20/21.09.2019

Reference No.& Date : e-mail dtd:23.04.2019

ANALYSIS RESULT

SL. NO.	Pollutants	Limit	Result	Method of Test Reference
1	Particulate matter (PM ₁₀) in $\mu\text{g}/\text{m}^3$	100	55	IS: 5182:(Part-23)-2006
2	Particulate matter(PM _{2.5}) in $\mu\text{g}/\text{m}^3$	60	37	TPM/MSK/ENV (AP) /01/03
3	Sulphur dioxide(SO ₂) in $\mu\text{g}/\text{m}^3$	80	12.80	IS: 5182 (Part-2)-2001
4	Nitrogen dioxide (NO ₂) in $\mu\text{g}/\text{m}^3$	80	20.6	IS: 5182 (Part- 6)-2006
5	Carbon monoxide(CO) in mg/m^3	2	0.38	IS 5182 (Part-10) :1999

Note : Limit as per CPCB notification, New Delhi, 18th November 2009, For Ambient air Quality

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TEST REPORT

Name & Address of the Customer :

J.K.Cement Works, Nimbahera
Distt. Chittorgarh (Raj.)

Report No. : MSK/UDR/2019-20/1059

Date : 27.09.2019

Sample No. : MSKGL/ED/2019-20/09/00660

Sample Description : Fugitive Air

Sampling Location : Near Loading Point (Ahipura Mine)

Date of Sampling : 20.09.2019

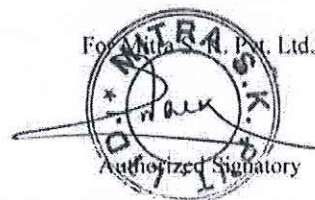
Reference No.& Date : e-mail dtd:23.04.2019

ANALYSIS RESULT

SL. NO.	Pollutants	Result	Method of Test Reference
1	Suspended Particulate matter (SPM) in $\mu\text{g}/\text{m}^3$	362	IS: 5182:(Part-4)-1999
2	Sulphur dioxide(SO ₂) in $\mu\text{g}/\text{m}^3$	10.6	IS: 5182 (Part-2)-2001
3	Nitrogen dioxide (NO ₂) in $\mu\text{g}/\text{m}^3$	33.0	IS: 5182 (Part- 6)-2006
4	Carbon monoxide(CO) in mg/m^3	0.70	IS 5182 :(Part-10) :1999

Report Prepared By

For Mitra S.K. Pvt. Ltd.



Mitra S.K. Private Limited

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TEST REPORT

Name & Address of the Customer :

J.K.Cement Works, Nimbahera
Distt. Chittorgarh (Raj.)

Report No. : MSK/UDR/2019-20/1058

Date : 27.09.2019

Sample No. : MSKGL/ED/2019-20/09/00659

Sample Description : Fugitive Air

Sampling Location : 3-10 Meter Distance from Drilling point
(Ahirpura Block)

Date of Sampling : 20.09.2019

Reference No.& Date : e-mail dtd:23.04.2019

ANALYSIS RESULT

SL. NO.	Pollutants	Result	Method of Test Reference
1	Suspended Particulate matter (SPM) in $\mu\text{g}/\text{m}^3$	345	IS: 5182:(Part-4)-1999
2	Sulphur dioxide(SO ₂) in $\mu\text{g}/\text{m}^3$	9.2	IS: 5182 (Part-2)-2001
3	Nitrogen dioxide (NO ₂) in $\mu\text{g}/\text{m}^3$	30.4	IS: 5182 (Part- 6)-2006
4	Carbon monoxide(CO) in mg/m^3	0.72	IS 5182 :(Part-10) :1999

Report Prepared By



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TEST REPORT

Name & Address of the Customer :
J.K.Cement Works, Nimbahera
Distt. Chittorgarh (Raj.)

Report No. : MSK/UDR/2019-20/1072
Date : 27.09.2019
Sample No. : MSKGL/ED/2019-20/09/00649 to 00652
Sample Description : Noise Monitoring

Reference No.& Date : e-mail dtd: 23.04.2019

ANALYSIS RESULT

Sl. No.	Sampling Date	Sampling Location	Results Leq dB(A)	
			Day Time	Night Time
1.	20/21.09.2019	Near Water Pump House (Ahipura Mine)	62.6	44.3
2.		Near Mine Office, Murlia Block (Ahipura Mine)	59.0	48.6
3.		Near Ravana Office Murlia Block (Ahipura Mine)	63.2	50.8
4.		Near Mine Office (Ahipura Mine)	54.4	42.1
Limit As per CPCB (Environment Protection Rules, 1986)		in Industrial Area Leq dB(A)	75	70


Report Prepared by :



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TEST REPORT

Name & Address of the Customer :

J.K.Cement Works, Nimbahera
Distt. Chittorgarh (Raj.)

Report No. : MSK/UDR/2019-20/1046

Date : 27.09.2019

Sample No. : MSKGL/ED/2019-20/09/00633

Sample Description : Ambient Air

Sampling Location : Near Mine Office, Murlia Block
(Ahirpura Mine)

Date of Sampling : 20/21.09.2019

Reference No.& Date : e-mail dtd:23.04.2019

ANALYSIS RESULT

SL. NO.	Pollutants	Limit	Result	Method of Test Reference
1	Particulate matter (PM ₁₀) in $\mu\text{g}/\text{m}^3$	100	42	IS: 5182:(Part-23)-2006
2	Particulate matter (PM _{2.5}) in $\mu\text{g}/\text{m}^3$	60	23	TPM/MSK/ENV (AP) /01/03
3	Sulphur dioxide (SO ₂) in $\mu\text{g}/\text{m}^3$	80	7.1	IS: 5182 (Part-2)-2001
4	Nitrogen dioxide (NO ₂) in $\mu\text{g}/\text{m}^3$	80	33.0	IS: 5182 (Part- 6)-2006
5	Carbon monoxide(CO) in mg/m^3	2	0.56	IS 5182 :(Part-10) :1999

Note : Limit as per CPCB notification, New Delhi, 18th November 2009, For Ambient air Quality

Report Prepared By

For Mitra S.K. Pvt. Ltd.
Authorized Signatory

Mitra S.K. Private Limited

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TEST REPORT

Name & Address of the Customer :

J.K.Cement Works, Nimbahera
Distt. Chittorgarh (Raj.)

Report No. : MSK/UDR/2019-20/1047

Date : 27.09.2019

Sample No. : MSKGL/ED/2019-20/09/00634

Sample Description : Ambient Air

Sampling Location : Near Ravana Office (Murlia Block,
Ahhirpura Mines)

Date of Sampling : 20/21.09.2019

Reference No.& Date : e-mail dtd:23.04.2019

ANALYSIS RESULT

SL. NO.	Pollutants	Limit	Result	Method of Test Reference
1	Particulate matter (PM ₁₀) in $\mu\text{g}/\text{m}^3$	100	59	IS: 5182:(Part-23)-2006
2	Particulate matter(PM _{2.5}) in $\mu\text{g}/\text{m}^3$	60	33	TPM/MSK/ENV (AP) /01/03
3	Sulphur dioxide(SO ₂) in $\mu\text{g}/\text{m}^3$	80	7.6	IS: 5182 (Part-2)-2001
4	Nitrogen dioxide (NO ₂) in $\mu\text{g}/\text{m}^3$	80	29.8	IS: 5182 (Part- 6)-2006
5	Carbon monoxide(CO) in mg/m^3	2	0.44	IS 5182 :(Part-10) :1999

Note : Limit as per CPCB notification, New Delhi, 18th November 2009, For Ambient air Quality

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TEST REPORT

Name & Address of the Customer :

J.K.Cement Works, Nimbahera
Distt. Chittorgarh (Raj.)

Report No. : MSK/UDR/2019-20/1060

Date : 27.09.2019

Sample No. : MSKGL/ED/2019-20/09/00661

Sample Description : Fugitive Air

Sampling Location : 3-10 Meter Distance from Drilling
point of Murlia Block (Ahirpura Mine)

Date of Sampling : 20.09.2019

Reference No.& Date : e-mail dtd:23.04.2019

ANALYSIS RESULT

SL. NO.	Pollutants	Result	Method of Test Reference
1	Suspended Particulate matter (SPM) in $\mu\text{g}/\text{m}^3$	324	IS: 5182:(Part-4)-1999
2	Sulphur dioxide(SO ₂) in $\mu\text{g}/\text{m}^3$	8.2	IS: 5182 (Part-2)-2001
3	Nitrogen dioxide (NO ₂) in $\mu\text{g}/\text{m}^3$	34.6	IS: 5182 (Part- 6)-2006
4	Carbon monoxide(CO) in mg/m^3	0.68	IS 5182 :(Part-10) :1999

Report Prepared By



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TEST REPORT

Name & Address of the Customer :

J.K.Cement Works, Nimbahera
Distt. Chittorgarh (Raj.)

Report No. : MSK/UDR/2019-20/1061

Date : 27.09.2019

Sample No. : MSKGL/ED/2019-20/09/00662

Sample Description : Fugitive Air

Sampling Location : Near Loading Point of Murlia Block
(Ahirpura Mine)

Date of Sampling : 20.09.2019

Reference No.& Date : e-mail did: 23.04.2019

ANALYSIS RESULT

SL. NO.	Pollutants	Result	Method of Test Reference
1	Suspended Particulate Matter (SPM) in $\mu\text{g}/\text{m}^3$	316	IS 5182 (Part-4) - 1999
2	Sulphur dioxide(SO ₂) in $\mu\text{g}/\text{m}^3$	9.0	IS: 5182 (Part-2)-2001
3	Nitrogen dioxide (NO _x) in $\mu\text{g}/\text{m}^3$	33.4	IS: 5182 (Part- 6)-2006
4	Carbon monoxide(CO) in mg/m^3	0.66	IS 5182 :(Part-10) :1999

Report Prepared By



Mitra S. K. Private Limited



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TEST REPORT

Name & Address of the Customer :
J.K.Cement Works, Nimbahera
Distt. Chittorgarh (Raj.)

Report No. : MSK/UDR/2019-20/303
Date : 17.06.2019
Sample No. : MSKGL/ED/2019-20/05/02179 to 02182
Sample Description : Noise Monitoring

Reference No.& Date : e-mail dtd: 07.06.2018

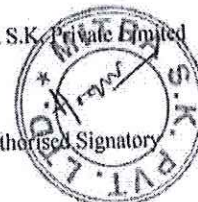
ANALYSIS RESULT

Sl. No.	Sampling Date	Sampling Location	Results Leq dB(A)	
			Day Time	Night Time
1.	10/11.05.2019	Near Water Pump House (Ahipura Mine)	63.8	46.2
2.		Near Mine Office, Murlia Block (Ahipura Mine)	54.5	44.1
3.		Near Ravana OfficeMurlia Block (Ahipura Mine)	52.8	44.4
4.		Near Mine Office (Ahipura Mine)	51.7	42.5
Limit As per CPCB (Environment Protection Rules, 1986)		in Industrial Area Leq dB(A)	75	70

Report Prepared by :

For Mitra S.K. Private Limited

Authorised Signatory



Mitra S. K. Private Limited



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TEST REPORT

Name & Address of the Customer :

J.K.Cement Works, Nimbahera
Distt. Chittorgarh (Raj.)

Report No. : MSK/UDR/2019-20/258

Date : 06.06.2019

Sample No. : MSKGL/ED/2019-20/05/01469

Sample Description : Ambient Air

Sampling Location : Near Water Pump House (Ahirpura
Mine)

Date of Sampling : 09/10.05.2019

Reference No.& Date : e-mail dtd:23.04.2019

ANALYSIS RESULT

SL. NO.	Pollutants	Limit	Result	Method of Test Reference
1	Particulate matter (PM ₁₀) in $\mu\text{g}/\text{m}^3$	100	68	IS: 5182:(Part-23)-2006
2	Particulate matter(PM _{2.5}) in $\mu\text{g}/\text{m}^3$	60	35	TPM/MSK/ENV (AP) /01/03
3	Sulphur dioxide(SO ₂) in $\mu\text{g}/\text{m}^3$	80	7.8	IS: 5182 (Part-2)-2001
4	Nitrogen dioxide (NO ₂) in $\mu\text{g}/\text{m}^3$	80	35.2	IS: 5182 (Part- 6)-2006
5	Carbon monoxide(CO) in mg/m^3	2	0.73	IS 5182 :(Part-10) :1999

Note : Limit as per CPCB notification, New Delhi, 18th November 2009, For Ambient air Quality

Report Prepared By

For Mitra S. K. Pvt. Ltd.



Mitra S. K. Private Limited



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TEST REPORT

Name & Address of the Customer :

J.K.Cement Works, Nimbahera
Distt. Chittorgarh (Raj.)

Report No. : MSK/UDR/2019-20/259

Date : 06.06.2019

Sample No. : MSKGL/ED/2019-20/05/01470

Sample Description : Ambient Air

Sampling Location : Near Mine Office Ahirpura Block
(Ahirpura Mine)

Date of Sampling : 09/10.05.2019

Reference No.& Date : e-mail dtd:23.04.2019

ANALYSIS RESULT

SL. NO.	Pollutants	Limit	Result	Method of Test Reference
1	Particulate matter (PM ₁₀) in $\mu\text{g}/\text{m}^3$	100	72	IS: 5182:(Part-23)-2006
2	Particulate matter(PM _{2.5}) in $\mu\text{g}/\text{m}^3$	60	39	TPM/MSK/ENV (AP) /01/03
3	Sulphur dioxide(SO ₂) in $\mu\text{g}/\text{m}^3$	80	6.4	IS: 5182 (Part-2)-2001
4	Nitrogen dioxide (NO ₂) in $\mu\text{g}/\text{m}^3$	80	29.5	IS: 5182 (Part- 6)-2006
5	Carbon monoxide(CO) in mg/m^3	2	0.53	IS 5182 :(Part-10) :1999

Note : Limit as per CPCB notification, New Delhi, 18th November 2009, For Ambient air Quality

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For Mitra S.K. Pvt. Ltd.



Mitra S. K. Private Limited



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TEST REPORT

Name & Address of the Customer :

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Distt. Chittorgarh (Raj.)

Report No. : MSK/UDR/2019-20/259

Date : 06.06.2019

Sample No. : MSKGL/ED/2019-20/05/01470

Sample Description : Ambient Air

Sampling Location : Near Mine Office Ahirpura Block
(Ahirpura Mine)

Date of Sampling : 09/10.05.2019

Reference No.& Date : e-mail dtd:23.04.2019

ANALYSIS RESULT

SL. NO.	Pollutants	Limit	Result	Method of Test Reference
1	Particulate matter (PM ₁₀) in $\mu\text{g}/\text{m}^3$	100	72	IS: 5182:(Part-23)-2006
2	Particulate matter(PM _{2.5}) in $\mu\text{g}/\text{m}^3$	60	39	TPM/MSK/ENV (AP) /01/03
3	Sulphur dioxide(SO ₂) in $\mu\text{g}/\text{m}^3$	80	6.4	IS: 5182 (Part-2)-2001
4	Nitrogen dioxide (NO ₂) in $\mu\text{g}/\text{m}^3$	80	29.5	IS: 5182 (Part- 6)-2006
5	Carbon monoxide(CO) in mg/m^3	2	0.53	IS 5182 :(Part-10) :1999

Note : Limit as per CPCB notification, New Delhi, 18th November 2009, For Ambient air Quality

Report Prepared By

For Mitra S.K. Pvt. Ltd.



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TEST REPORT

Name & Address of the Customer :

J.K.Cement Works, Nimbahera
Distt. Chittorgarh (Raj.)

Report No. : MSK/UDR/2019-20/260

Date : 06.06.2019

Sample No. : MSKGL/ED/2019-20/05/01471

Sample Description : Ambient Air

Sampling Location : Near Mine Office, Murlia Block
(Ahirpura Mine)

Date of Sampling : 09/10.05.2019

Reference No.& Date : e-mail dtd:23.04.2019

ANALYSIS RESULT

SL. NO.	Pollutants	Limit	Result	Method of Test Reference
1	Particulate matter (PM ₁₀) in µg/m ³	100	79	IS: 5182:(Part-23)-2006
2	Particulate matter(PM _{2.5}) in µg/m ³	60	42	TPM/MSK/ENV (AP) /01/03
3	Sulphur dioxide(SO ₂) in µg/m ³	80	7.6	IS: 5182 (Part-2)-2001
4	Nitrogen dioxide (NO ₂) in µg/m ³	80	32.5	IS: 5182 (Part- 6)-2006
5	Carbon monoxide(CO) in mg/m ³	2	0.48	IS 5182 :(Part-10) :1999

Note : Limit as per CPCB notification, New Delhi, 18th November 2009, For Ambient air Quality


Report Prepared By

For Mitra S. K. Pvt. Ltd.

Authorized Signatory

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Name & Address of the Customer :

J.K.Cement Works, Nimbahera
Distt. Chittorgarh (Raj.)

Report No. : MSK/UDR/2019-20/261

Date : 06.06.2019

Sample No. : MSKGL/ED/2019-20/05/01472

Sample Description : Ambient Air

Sampling Location : Near Ravana Office, Murlia Block
(Ahirpura Mine)

Date of Sampling : 10/11.05.2019

Reference No.& Date : e-mail dtd:23.04.2019

ANALYSIS RESULT

SL. NO.	Pollutants	Limit	Result	Method of Test Reference
1	Particulate matter (PM ₁₀) in $\mu\text{g}/\text{m}^3$	100	83	IS: 5182:(Part-23)-2006
2	Particulate matter(PM _{2.5}) in $\mu\text{g}/\text{m}^3$	60	46	TPM/MSK/ENV (AP) /01/03
3	Sulphur dioxide(SO ₂) in $\mu\text{g}/\text{m}^3$	80	6.9	IS: 5182 (Part-2)-2001
4	Nitrogen dioxide (NO ₂) in $\mu\text{g}/\text{m}^3$	80	27.6	IS: 5182 (Part- 6)-2006
5	Carbon monoxide(CO) in mg/m^3	2	0.36	IS 5182 :(Part-10) :1999

Note : Limit as per CPCB notification, New Delhi, 18th November 2009, For Ambient air Quality

Report Prepared By

For Mitra S.K. Pvt. Ltd.

Authorized Signatory



Mitra S. K. Private Limited



Shrachi Centre (5th Floor)
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TEST REPORT

Name & Address of the Customer :

J.K.Cement Works, Nimbahera
Distt. Chittorgarh (Raj.)

Report No. : MSK/UDR/2019-20/262

Date : 06.06.2019

Sample No. : MSKGL/ED/2019-20/05/01473

Sample Description : Ambient Air

Sampling Location : Murlia Village (Ahirpura Mine)

Date of Sampling : 10/11.05.2019

Reference No.& Date : e-mail dtd:23.04.2019

ANALYSIS RESULT

SL. NO.	Pollutants	Limit	Result	Method of Test Reference
1	Particulate matter (PM ₁₀) in $\mu\text{g}/\text{m}^3$	100	66	IS: 5182:(Part-23)-2006
2	Particulate matter(PM _{2.5}) in $\mu\text{g}/\text{m}^3$	60	38	TPM/MSK/ENV (AP) /01/03
3	Sulphur dioxide(SO ₂) in $\mu\text{g}/\text{m}^3$	80	6.4	IS: 5182 (Part-2)-2001
4	Nitrogen dioxide (NO ₂) in $\mu\text{g}/\text{m}^3$	80	23.8	IS: 5182 (Part- 6)-2006
5	Carbon monoxide(CO) in mg/m^3	2	0.42	IS 5182 :(Part-10) :1999

Note : Limit as per CPCB notification, New Delhi, 18th November 2009, For Ambient air Quality

Report Prepared By

For Mitra S. K. Pvt Ltd.

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TEST REPORT

Name & Address of the Customer :

J.K.Cement Works, Nimbahera
Distt. Chittorgarh (Raj.)

Report No. : MSK/UDR/2019-20/263

Date : 06.06.2019

Sample No. : MSKGL/ED/2019-20/05/01474

Sample Description : Ambient Air

Sampling Location : Ahirpura Village (Ahirpura Mine)

Date of Sampling : 10/11.05.2019

Reference No.& Date : e-mail dtd:23.04.2019

ANALYSIS RESULT

SL. NO.	Pollutants	Limit	Result	Method of Test Reference
1	Particulate matter (PM ₁₀) in $\mu\text{g}/\text{m}^3$	100	63	IS: 5182:(Part-23)-2006
2	Particulate matter(PM _{2.5}) in $\mu\text{g}/\text{m}^3$	60	37	TPM/MSK/ENV (AP) /01/03
3	Sulphur dioxide(SO ₂) in $\mu\text{g}/\text{m}^3$	80	7.3	IS: 5182 (Part-2)-2001
4	Nitrogen dioxide (NO ₂) in $\mu\text{g}/\text{m}^3$	80	21.4	IS: 5182 (Part- 6)-2006
5	Carbon monoxide(CO) in mg/m^3	2	0.38	IS 5182 :(Part-10) :1999

Note : Limit as per CPCB notification, New Delhi, 18th November 2009, For Ambient air Quality

Report Prepared By

For Mitra S. K. Pvt. Ltd.



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TEST REPORT

Name & Address of the Customer :

J.K.Cement Works, Nimbahera
Distt. Chittorgarh (Raj.)

Report No. : MSK/UDR/2019-20/238

Date : 06.06.2019

Sample No. : MSKGL/ED/2019-20/05/01507

Sample Description : Fugitive Air

Sampling Location : 3-10 Meter Distance from Drilling
point (Ahirpura Block)

Date of Sampling : 09.05.2019

Reference No.& Date : e-mail dtd:23.04.2019

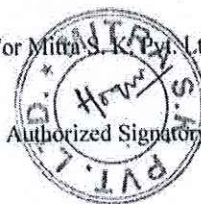
ANALYSIS RESULT

SL. NO.	Pollutants	Result	Method of Test Reference
1	Suspended Particulate matter (SPM) in $\mu\text{g}/\text{m}^3$	470	IS: 5182:(Part-4)-1999
2	Sulphur dioxide(SO ₂) in $\mu\text{g}/\text{m}^3$	9.8	IS: 5182 (Part-2)-2001
3	Nitrogen dioxide (NO ₂) in $\mu\text{g}/\text{m}^3$	25.6	IS: 5182 (Part- 6)-2006
4	Carbon monoxide(CO) in mg/m^3	0.64	IS 5182 :(Part-10) :1999

Report Prepared By

For Mitra S. K. Pvt. Ltd.

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TEST REPORT

Name & Address of the Customer :

J.K.Cement Works, Nimbahera
Distt. Chittorgarh (Raj.)

Report No. : MSK/UDR/2019-20/239

Date : 06.06.2019

Sample No. : MSKGL/ED/2019-20/05/01508

Sample Description : Fugitive Air

Sampling Location : Near Loading Point (Ahirpura Mine)

Date of Sampling : 09.05.2019

Reference No.& Date : e-mail dtd:23.04.2019

ANALYSIS RESULT

SL. NO.	Pollutants	Result	Method of Test Reference
1	Suspended Particulate matter (SPM) in $\mu\text{g}/\text{m}^3$	387	IS: 5182:(Part-4)-1999
2	Sulphur dioxide(SO ₂) in $\mu\text{g}/\text{m}^3$	11.6	IS: 5182 (Part-2)-2001
3	Nitrogen dioxide (NO ₂) in $\mu\text{g}/\text{m}^3$	32.7	IS: 5182 (Part- 6)-2006
4	Carbon monoxide(CO) in mg/m^3	0.58	IS 5182 :(Part-10) :1999

Report Prepared By

For Mitra S. K. Pvt. Ltd.



Mitra S. K. Private Limited



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TEST REPORT

Name & Address of the Customer :

J.K.Cement Works, Nimbahera
Distt. Chittorgarh (Raj.)

Report No. : MSK/UDR/2019-20/240

Date : 06.06.2019

Sample No. : MSKGL/ED/2019-20/05/01509

Sample Description : Fugitive Air

Sampling Location : 3-10 Meter Distance from Drilling
point of Murlia Block (Ahirpura Mine)

Date of Sampling : 10.05.2019

Reference No.& Date : e-mail did:23.04.2019

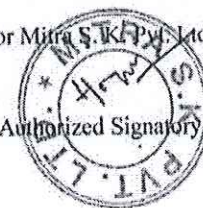
ANALYSIS RESULT

SL. NO.	Pollutants	Result	Method of Test Reference
1	Suspended Particulate matter (SPM) in $\mu\text{g}/\text{m}^3$	477	IS: 5182:(Part-4)-1999
2	Sulphur dioxide(SO ₂) in $\mu\text{g}/\text{m}^3$	8.5	IS: 5182 (Part-2)-2001
3	Nitrogen dioxide (NO ₂) in $\mu\text{g}/\text{m}^3$	36.8	IS: 5182 (Part- 6)-2006
4	Carbon monoxide(CO) in mg/m^3	0.62	IS 5182 :(Part-10) :1999

Report Prepared By

For Mitra S.K.Pvt. Ltd.

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TEST REPORT

Name & Address of the Customer :

J.K.Cement Works, Nimbahera
Distt. Chittorgarh (Raj.)

Report No. : MSK/UDR/2019-20/241

Date : 06.06.2019

Sample No. : MSKGL/ED/2019-20/05/01510

Sample Description : Fugitive Air

Sampling Location : Near Loading Point of Murlia Block
(Ahirpura Mine)

Date of Sampling : 10.05.2019

Reference No.& Date : e-mail did: 23.04.2019

ANALYSIS RESULT

SL. NO.	Pollutants	Result	Method of Test Reference
1	Suspended Particulate Matter (SPM) in $\mu\text{g}/\text{m}^3$	384	IS 5182 (Part-4) - 1999
2	Sulphur dioxide(SO ₂) in $\mu\text{g}/\text{m}^3$	10.8	IS: 5182 (Part-2)-2001
3	Nitrogen dioxide (NO _x) in $\mu\text{g}/\text{m}^3$	35.2	IS: 5182 (Part- 6)-2006
4	Carbon monoxide(CO) in mg/m^3	0.56	IS 5182 :(Part-10) :1999

Report Prepared By

