

JK Cement LTD.

CIN : L17229UP1994PLC017199

ISO 9001:2015 | ISO 14001:2015 | ISO 45001:2018 | ISO 50001:2011 CERTIFIED COMPANY

Phone : +91-1477-220098, 220087
Fax : +91-1477-220027, 220049
E-mail : jkc.nbh@jkcement.com
Web : www.jkcement.com

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

Our Ref. No.: NBH/PC-14/C14/

Regd.AD.

Date: 30.05.2020

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

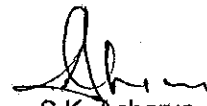
Sub: Environmental Clearance Compliance report of Nimbahera-Ahирра Limestone Mine.
Ref.: EC letter no. - J-11015/83/2004-IA.II dated. 30th May 2005

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 October' 2019 to March' 2020. 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, m_env@rediffmail.com, ccb.cpcb@nic.in, member-secretary@rpcb.nic.in, cpcb.bhopal@gmail.com monitoring-ec@nic.in 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)



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





JK Cement LTD.

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

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

Period: October-19 to March-20

**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.

GP Singh

COMPLIANCE REPORT OF CONDITIONS LAID DOWN IN ENVIRONMENTAL CLERANCE OF NIMBAHERA-AHIRPURA MINE
(Period October 2019 to March 2020) Dated 30.05.2020

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 and siltation ponds are provided to control the inflow of sediments, silt in and around the mine working. There is no generation of waste except interstitial clay and 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 within lease 950 nos. plants covering 0.67 ha. new area, Outside lease - Nil nos. plants covering Nil ha new area. Total Plantation done till date is 145483 nos. in inside and 153824 nos. in outside lease area. Till date Survival rate of plantation is 60.72% inside lease area and 54.11% 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.

(Signature)

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

(Period October 2019 to March 2020) Dated 30.05.2020

(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 and check dams have been constructed in the nallah draining the mining pit. 3. Constructed injection wells with filter pit in premises of plant and 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 (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.	Reports are being sent regularly on schedule time. Last report of Ground Water Level and Quality for winter season (January'2020) was sent on 10/09/2019.vide letter no. NBH/PC-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

Shah

COMPLIANCE REPORT OF CONDITIONS LAID DOWN IN ENVIRONMNET CLERANCE OF NIMBAHERA-AHIRPURA MINE
(Period October 2019 to March 2020) Dated 30.05.2020

		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 and 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 02/03/2020 vide Letter No. - NBH/PC-14/C14/5907.
(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.
	(B) General Conditions :-	
(I)	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

[Signature]

COMPLIANCE REPORT OF CONDITIONS LAID DOWN IN ENVIRONMNET CLERANCE OF NIMBAHERA-AHIRPURA MINE
(Period October 2019 to March 2020) Dated 30.05.2020

	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 and 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 and 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 and 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 and 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	We have environmental laboratory with sufficient pollution

GR Singh

COMPLIANCE REPORT OF CONDITIONS LAID DOWN IN ENVIRONMNET CLERANCE OF NIMBAHERA-AHIRPURA MINE
(Period October 2019 to March 2020) Dated 30.05.2020

	monitoring and analysis equipment in consultation with the State Pollution Control Board.	monitoring and 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 and report is being sent regularly to the concerned authority. Environment expenditure for 2019-20 report is attached as annexure-IV .
(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 whom any suggestions / representation has been received while processing the proposal.	Agreed
(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 and the necessary information already sent to the concerned authority.

[Signature]

J.K. Cement Limestone Mines, Nimbhera (Murlia Block)Vehicular Exhaust Emission Measurement

S. No.	Type of Machine	Tipper No.	Pucc No.	Date of Testing	Valid upto
1	Tipper	RJ-09GB-8928	D28RJ09100021	11-09-2019	05-08-2020
2	Tipper	RJ-09GB-8728	D28RJ09100051	11-12-2019	05-11-2020
3	Tipper	RJ-09GB-8528	D28RJ09100029	11-09-2019	05-08-2020
4	Tipper	RJ-09GB-8428	D28RJ09100030	11-09-2019	05-08-2020
5	Tipper	RJ-09GB-5828	D28RJ09100023	11-09-2019	05-08-2020
6	Tipper	RJ-09GB-5028	D9RJ08104543	11-05-2019	05-04-2020
7	Tipper	RJ-09GB-4928	D9RJ08104549	11-06-2019	05-05-2020
8	Tipper	RJ-09GB-4828	D28RJ09100026	11-09-2019	05-08-2020
9	Tipper	RJ-09GB-2628	D28RJ09100005	11-09-2019	05-08-2020
10	Tipper	RJ-09GB-1928	D28RJ09100002	11-09-2019	05-08-2020
11	Tipper	RJ-09GC-2528	D28RJ09100085	11-12-2019	05-11-2020
12	Tipper	RJ-09GC-0328	D28RJ09100050	11-12-2019	05-11-2020
13	Tipper	RJ-09GC-0228	D9RJ08104547	11-06-2019	05-05-2020
14	Tipper	RJ-09GC-0128	D9RJ08104529	11-05-2019	05-04-2020

S.D.Vairagi
Mine Manager

G. Singh

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

SUMMARY OF PRIMARY BLASTING FOR 01 OCT., 2019 to 31 March 2020

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.	Remark
1	03-10-2019	I ST. S/M	12	ONE	23	17.36	250	2.59	GOOD
2	04-10-2019	I ST. S/M	13	ONE	23	16.03	300	3.59	GOOD
3	10-10-2019	I ST. S/M	13	ONE	23	15.38	300	3.98	GOOD
4	03-11-2019	I ST. S/M	13	ONE	23	16.03	300	3.93	GOOD
5	03-12-2019	II ND S/M	13	ONE	25	22.01	300	2.43	GOOD
6	13-12-2019	I ST. S/M	11	ONE	24	18.94	300	1.68	GOOD
7	17-12-2019	II ND S/M	13	ONE	23	20.51	300	1.89	GOOD
8	22-12-2019	II ND S/M	9	ONE	24	15.74	300	2.05	GOOD
9	24-12-2019	I ST. S/M	11	ONE	24	20.74	300	2.43	GOOD
10	01-02-2020	II ND S/M	13	ONE	24	20.09	300	2.67	GOOD
11	01-07-2020	II ND S/M	15	ONE	24	17.96	300	1.98	GOOD
12	01-10-2020	II ND S/M	13	ONE	24	20.09	300	3.05	GOOD
13	24-01-2020	II ND S/M	11	ONE	24	18.18	300	2.70	GOOD
14	02-07-2020	I ST. S/M	17	ONE	20	15.54	250	2.21	GOOD
15	13-02-2020	I ST. S/M	15	ONE	19	17.41	250	3.59	GOOD
16	22-02-2020	I ST. S/M	14	ONE	23	18.45	250	2.75	GOOD
17	27-02-2020	II ND S/M	11	ONE	23	16.94	300	3.05	GOOD
18	03-03-2020	III RD S/M	18	ONE	18	14.73	300	3.17	GOOD
19	13-03-2020	III RD S/M	10	ONE	19	16.156	300	3.13	GOOD
20	16-03-2020	III RD S/M	7	ONE	24	18.434	300	2.05	GOOD

L.N. Tailor
Blasting Incharge

S.D.Vairagi
Mine Manager

Handwritten signature

J.K. Cement WORKS, NIMBAHERA (RAJ.)																				Annexure-III	
NIMBAHERA - AHIRPURA LIMESTONE MINE																					
SIX MONTHLY AMBIENT AIR QUALITY & NOISE MONITORING REPORT																					
Sample duration: 24 hourly sample, (monthly average basis)																					
Month		Mines Gate					Near Mines Water Pump House						3 to 10 Meter Distance From Drilling Operation					Near loading point			
		PM10	PM2.5	SO ₂	NOx	CO	PM10	PM2.5	SO ₂	NOx	CO	SPM	SO ₂	NOx	CO	SPM	SO ₂	NOx	CO		
Oct-19		39.7	29.4	11.0	21.8	406	50.0	32.8	11.8	25.9	469	352	12.5	27.9	630	333	10.9	22.5	676		
Nov-19		36.8	26.6	10.1	21.2	636	51.9	34.8	12.6	25.2	481	364	13.5	27.7	601	294	11.5	20.9	670		
Dec-19		41.3	32.0	10.9	21.4	699	53.2	45.3	14.6	26.5	670	390	15.1	28.5	876	356	11.0	20.3	716		
Jan-20		44.0	35.4	13.9	25.2	699	68.4	48.3	16.5	27.8	705	407	14.2	28.1	768	375	13.5	22.4	676		
Feb-20		44.1	35.2	14.5	26.1	745	72.5	50.0	15.8	26.5	642	418	14.7	28.2	745	364	15.2	24.3	871		
Mar-20		45.2	34.0	12.9	25.2	785	68.5	47.1	15.6	28.0	687	403	14.3	27.4	773	395	15.4	24.8	831		
AVERAGE		41.8	32.1	12.2	23.5	662	60.8	43.1	14.5	26.6	609	389	14.0	28.0	732	353	12.9	22.5	740		

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

Month	Day/Night	Near Mines Gate	Near Mine Water Pump House
Oct-19	Day	67.3	68.6
	Night	55.6	56.4
Nov-19	Day	68.2	67.5
	Night	56.3	55.2
Dec-19	Day	66.2	67.5
	Night	56.3	57.1
Jan-20	Day	57.7	54.8
	Night	50.1	48.4
Feb-20	Day	58.2	55.4
	Night	51.3	49.6
Mar-20	Day	59.4	56.7
	Night	52.4	50.1

(Signature)

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

Annexure-III

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
Oct-19	38.9	30.1	10.0	20.4	630	45.3	34.0	13.2	23.7	601
Nov-19	39.4	30.3	12.4	23.2	561	41.5	33.5	15.9	25.4	550
Dec-19	43.7	32.5	14.3	23.8	601	55.2	44.0	18.5	27.8	750
Jan-20	54.5	40.3	14.7	26.3	527	69.7	49.8	19.9	28.1	894
Feb-20	59.6	41.7	16.5	27.8	510	73.4	53.0	20.8	28.7	853
Mar-20	49.4	33.5	12.3	27.1	510	54.5	37.3	15.5	27.1	853

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

Month	Day/Night	Near Mine Gate	Near Ravana Office
Oct-19	Day	66.8	67.5
	Night	57.2	58.8
Nov-19	Day	65.7	66.8
	Night	56.8	57.2
Dec-19	Day	67.2	66.8
	Night	58.6	59.1
Jan-20	Day	58.9	62.8
	Night	53.2	58.4
Feb-20	Day	59.3	63.1
	Night	52.4	57.3
Mar-20	Day	58.9	64.7
	Night	53.4	56.3

Signature

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/2020-21/49

Date : 28.05.2020

Sample No. : MSKGI/ED/2019-20/03/01072

Sample Description : Ambient Air

Sampling Location : Ahirpura Village (Ahirpura Mine)

Date of Sampling : 19/20.03.2020

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	69	IS: 5182:(Part-23)-2006
2	Particulate matter(PM _{2.5}) in µg/m ³	60	38	TPM/MSK/ENV (AP) /01/03
3	Sulphur dioxide(SO ₂) in µg/m ³	80	7.7	IS: 5182 (Part-2)-2001
4	Nitrogen dioxide (NO ₂) in µg/m ³	80	24.5	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

Checked By

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

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/2020-21/59

Date : 28.05.2020

Sample No. : MSKGI/ED-2019-20-03/01082

Sample Description : Ambient Air

Sampling Location : Murlia Village (Ahirpura Mine)

Date of Sampling : 19/20.03.2020

Reference No.& Date : e-mail dtid: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	73	IS: 5182:(Part-23)-2006
2	Particulate matter(PM _{2.5}) in $\mu\text{g}/\text{m}^3$	60	40	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	22.2	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

Checked By

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

Mitra S.K. Private Limited

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



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/2020-21/60

Date : 28.05.2020

Sample No. : MSKGL/ED/2019-20/03/01083

Sample Description : Ambient Air

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

Date of Sampling : 19/20.03.2020

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	74	IS: 5182:(Part-23)-2006
2	Particulate matter(PM _{2.5}) in µg/m ³	60	39	TPM/MSK/ENV (AP) /01/03
3	Sulphur dioxide(SO ₂) in µg/m ³	80	7.4	IS: 5182 (Part-2)-2001
4	Nitrogen dioxide (NO ₂) in µg/m ³	80	34.4	IS: 5182 (Part- 6)-2006
5	Carbon monoxide(CO) in mg/m ³	2	0.72	IS 5182 :(Part-10) :1999

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

Checked By

For Mitra S.K. Private Ltd.
Authorized Signatory

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/2020-21/61

Date : 28.05.2020

Sample No. : MSKGI/ED/2019-20/03/0108-4

Sample Description : Ambient Air

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

Date of Sampling : 19/20.03.2020

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	78	IS: 5182:(Part-23)-2006
2	Particulate matter(PM _{2.5}) in $\mu\text{g}/\text{m}^3$	60	44	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	28	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

Checked By

For Mitra S.K. Pvt. Ltd.

Authorized Signatory

Mitra S.K. Private Limited



TESTING • INSPECTION

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

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/2020-21/63

Date : 28.05.2020

Sample No. : MSKGI/ED/2019-20/03/01086

Sample Description : Ambient Air

Sampling Location : Near Ravana Office (Murlia Block)

Date of Sampling : 19/20.03.2020

Reference No.& Date : e-mail dtid: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	89	IS: 5182:(Part-23)-2006
2	Particulate matter(PM _{2.5}) in $\mu\text{g}/\text{m}^3$	60	52	TPM MSK/ENV (AP) /01/03
3	Sulphur dioxide(SO ₂) in $\mu\text{g}/\text{m}^3$	80	8.4	IS: 5182 (Part-2)-2001
4	Nitrogen dioxide (NO ₂) in $\mu\text{g}/\text{m}^3$	80	30.0	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

Checked By

Mitra S.K. Pvt. Ltd.
Authorized Signatory

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/2020-21/67

Date : 28.05.2020

Sample No. : MSKGL/ED/2019-20/03/01090

Sample Description : Ambient Air

Sampling Location : Near Water Pump House (Ahirpura Mine)

Date of Sampling : 19/20.03.2020

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	81	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	7.0	IS: 5182 (Part-2)-2001
4	Nitrogen dioxide (NO ₂) in $\mu\text{g}/\text{m}^3$	80	31.2	IS: 5182 (Part- 6)-2006
5	Carbon monoxide(CO) in mg/m^3	2	0.58	IS 5182 :(Part-10) :1999

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

Checked By

Mitra S.K. Pvt. Ltd.
Authorized Signatory

Mitra S.K. Private Limited

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



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/2020-21/71
Date : 28.05.2020
Sample No. : MSKGL/ED/2019-20/03/01094 to 01097
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.	19/20.03.2020	Near Water Pump House (Ahipura Mine)	62.8	43.6
2.		Near Mine Office, Murlia Block (Ahipura Mine)	55.9	41.2
3.		Near Ravana Office Murlia Block (Ahipura Mine)	64.2	51.8
4.		Near Mine Office (Ahipura Mine)	52.4	38.7
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

Authorized Signatory

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/2020-21/76

Date : 28.05.2020

Sample No. : MSKGL/ED/2019-20/03/01106

Sample Description : Fugitive Air

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

Date of Sampling : 19.03.2020

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 $\mu\text{g}/\text{m}^3$	462	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 $\mu\text{g}/\text{m}^3$	33.8	IS: 5182 (Part- 6)-2006
4	Carbon monoxide(CO) in mg/m^3	0.66	IS 5182 :(Part-10) :1999

Checked By

For Mitra S.K. Pvt. Ltd.

(Authorized Signatory)

Mitra S.K. Private Limited



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

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/2020-21/77

Date : 28.05.2020

Sample No. : MSKGL/ED/2019-20/03/01107

Sample Description : Fugitive Air

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

Date of Sampling : 19.03.2020

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 $\mu\text{g}/\text{m}^3$	482	IS: 5182:(Part-1)-1999
2	Sulphur dioxide(SO ₂) in $\mu\text{g}/\text{m}^3$	9.0	IS: 5182 (Part-2)-2001
3	Nitrogen dioxide (NO ₂) in $\mu\text{g}/\text{m}^3$	28.2	IS: 5182 (Part- 6)-2006
4	Carbon monoxide(CO) in mg/m^3	0.69	IS 5182 :(Part-10) :1999

Checked By

For Mitra S.K. PVT. Ltd.
(Authorized Signatory)

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/2020-21/82

Date : 28.05.2020

Sample No. : MSKGL/ED/2019-20/03/01112

Sample Description : Fugitive Air

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

Date of Sampling : 19.03.2020

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 $\mu\text{g}/\text{m}^3$	392	IS 5182 (Part-4) : 1999
2	Sulphur dioxide (SO ₂) in $\mu\text{g}/\text{m}^3$	9.7	IS: 5182 (Part-2)-2001
3	Nitrogen dioxide (NO _x) in $\mu\text{g}/\text{m}^3$	34.2	IS: 5182 (Part- 6)-2006
4	Carbon monoxide(CO) in mg/m^3	0.56	IS 5182 : (Part-10) : 1999

Checked By

For Mitra S.K. Pvt. Ltd.



(Authorized Signatory)

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/2020-21-83

Date : 28.05.2020

Sample No. : MSKGL/ED/2019-20/03/01113

Sample Description : Fugitive Air

Sampling Location : Near Loading Point (Ahirpura Mine)

Date of Sampling : 19.03.2020

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 $\mu\text{g}/\text{m}^3$	398	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 ₂) in $\mu\text{g}/\text{m}^3$	33.2	IS: 5182 (Part- 6)-2006
4	Carbon monoxide(CO) in mg/m^3	0.64	IS 5182 (Part-10) :1999

Checked By

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

J.K. Cement WORKS, Nimbahera (RAJ)
AHIRPURA MINE

EXPENDITURE INCURRED ON ENVIRONMENTAL PROTECTION
MEASURES DURING YEAR 2019-2020

S. No.	Activity	Recurring Cost per Annum (Rs.)
1.	Pollution control expenses (Others)	208814
2.	Pollution control expenses (Statutory)	414005
3.	Gardening Expenses	153800
4.	CSR Expenses	4774748
Total (Rs.)		5551367/-

GA Singh

J.K. Cement WORKS, NIMBAHERA (RAJ)
AHIRPURA MINE

Financial Budget for Environmental Management
FY 2020-21

S. No.	Activity	Recurring Cost per Annum (Rs. in Lacs)
		Proposed
1.	Pollution control expenses (Others)	5.086
2.	Pollution control expenses (Statutory)	-
3.	Gardening Expenses	3.3
4.	CSR Expenses	44.98
Total (Rs. in Lacs)		53.366/-



