



JK Cement LTD.

CIN : L17229UP1994PLC017199

ISO 9001:2015 | ISO 14001:2015 | ISO 45001:2018 | ISO 50001:2018 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
Kallash Nagar - 312617, Nimbahera
Distt. Chittorgarh (Raj.) INDIA

NBH/PC-14/C14/

Through Email

Date: 28.05.2021

To,
The Director (M),
Ministry of Environment, Forest & Climate Change,
Indira Paryavaran Bhavan,
JOR Bagh Road, Aliganj,
New Delhi-110003

Sub: Environmental Clearance Compliance report of Nimbahera-Ahirpura Limestone Mine by J. K. Cement Works, Nimbahera, Dist. Chittorgarh (Rajasthan).

Ref.: EC letter no. - J-11015/83/2004-IA. II dated. 30th May 2005

Dear Sir,

Kindly refer to the above subject matter and refer EC letter no., please find attached herewith compliance of EC for the period of **October'2020 to March'2021**.

As per MoEF & CC notification no. S.O. 5845 (E) 26.11.2018 the soft copy of same has been sent through email to roc.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.

We hope that the compliance is in order.
Thanking you.

Yours Faithfully
For J.K. Cement Works, Nimbahera

Anil Kumar Jain
Sr. General Manager- Environment

Enclosed: as above

Copy to:

- 1.The Director**,Ministry of Environment, Forests & Climate Change, Regional office (Central Region), Kendriya Bhawan, 5th Floor, Sector 'H' , Aliganj, lucknow-226020 (U.P.)
- 2.The Chairman**, Central Pollution Control Board ,Parivesh Bhawan, CBD-CUM office complex, East Arjun Nagar, Shahdara- Behind Karkarduma high court New Delhi-11032
- 3. The 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






**HALF YEARLY COMPLIANCE REPORT
OF
ENVIRONMENTAL CLEARANCE LETTER NO.
J-11015/83/2004-IA.II Dated 30.05.2005
Period: October-2020 to March-2021**


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

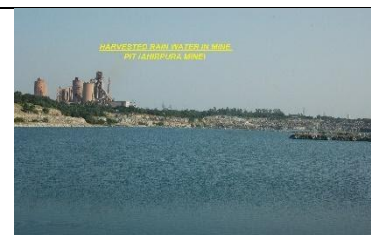
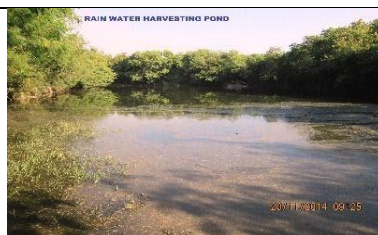
**Submitted to:
MoEF&CC, New Delhi & Central Regional Office, Lucknow (UP)
Central Pollution Control Board, New Delhi & Bhopal
Rajasthan State Pollution Control Board, Jaipur**

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



PROPONENT: J.K. CEMENT WORKS, NIMBAHERA (RAJ.)		Period from October' 2020 to March' 2021				
PROJECT:	Expansion of Nimbahera-Ahirkura Lime Stone Mine (M.L. No.-2/97)- Limestone - 1.4 MTPA to 2.0 MTPA, Villages – Nimbahera & Ahirkura, Tehsil- Nimbahera, District- Chittorgarh, Rajasthan.					
Environment Clearance issued from MOEF, IA Division, New Delhi vide letter No. J-11015/83/2004-IA.II dated 30.05.2005						
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.	Complying with. The lease was granted on 30.12.1967 in the favor of J.K. Cement Works. Mining lease was initially executed on 23.02.1968 and it was renewed (First renewal) from 26.04.1989. Private land is used only after diversion for non-agriculture use from state revenue department.				
(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.	Complying with. <ul style="list-style-type: none">• The Top soil generated during mining operation is being used for plantation.• The quantity of overburden till 31st March' 2021 total was 468453.61 MT and is stacked within ML area at earmarked site.• The quantity of subgrade mineral till 31st March' 2021 was 413179.71 MT and is stacked within ML area at earmarked site. <div></div>				
(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.	Complied with. Constructed garland drains and siltation ponds. To collect run off water from subgrade dump and waste dump, garland drain and siltation pit has been constructed. Details are given below: - <table><tr><td>Garland drain</td><td>Dimension</td></tr><tr><td>East side of Subgradeand waste dump</td><td>Length – 430 m Width – 1.0 m Depth -- 1.0 m</td></tr></table> Total available rainwater in single day (considering maximum 50 mm rainfall) 1. Overburden waste dump (area) X rainfall (m) X Runoff coefficient (20%) 26140 m2 X 0.05 M X 0.20 = 261.4 M3 and considering 50% safety margin then total capacity of siltation pond should be 522.8 m3.	Garland drain	Dimension	East side of Subgradeand waste dump	Length – 430 m Width – 1.0 m Depth -- 1.0 m
Garland drain	Dimension					
East side of Subgradeand waste dump	Length – 430 m Width – 1.0 m Depth -- 1.0 m					

		<p>2. Subgrade stack (area) X rainfall (m) X Runoff coefficient (20%)</p> <p>24330 M2 X 0.05 M X 0.20 = 243.3 M3 and considering 50% safety margin then total capacity of siltation pond should be 486.6 m3.</p> <p>3. Embankment dump (area) X rainfall (m) X Runoff coefficient (20%)</p> <p>37140 M2 X 0.05 M X 0.20 = 371.4 M3 and considering 50% safety margin then total capacity of siltation pond should be 742.8 m3.</p> <p>Total rain water collection capacity of siltation pit requires = 1752.2 m3</p> <p>Constructed one siltation pit with dimension as given below: -</p> <table><tr><th>S. N.</th><th>Length (M)</th><th>Width (M)</th><th>Depth (M)</th><th>Capacity M3)</th></tr><tr><td>1.</td><td>17</td><td>17</td><td>3</td><td>867</td></tr><tr><td>2.</td><td>18</td><td>17</td><td>3</td><td>918</td></tr><tr><td colspan="4">Total</td><td>1785</td></tr></table> <p>The storm water is being collected to garland drain from the periphery of the subgrade and the waste dump area routed to siltation pond. The collected water is being used for plantation and water sprinkling on haul road.</p> 	S. N.	Length (M)	Width (M)	Depth (M)	Capacity M3)	1.	17	17	3	867	2.	18	17	3	918	Total				1785
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Total				1785																		
(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.	<p>Complied with</p> <ul style="list-style-type: none">• Total 64.47 ha. area is covered under plantation with 151815 nos. of plants (Till 31st March'2021).• Within lease area 48.02 ha. is planted with 120050 no. plants and outside lease 16.45 ha. area is planted with 31765 nos. of plants.• The density of plantation within lease is 2500 plants per ha.																				
(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.	<p>Complied with</p> <p>Surface water during rainy season is collected in the lower bench of the mine to augment ground water resources.</p> <p>Recharge Pit measuring 160m x 51m x 3.5m has been constructed in south side of cement plant to collect rainy water to augment water resources of nearby area.</p>																				




(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.

- Complied with.
- Ground water quality monitoring has been carried out by third party who is NABL accredited Laboratory are enclosed as **Annexure-I**.
 - To monitor the ground water level, telemetry system has been installed.
 - Ground water level and quality report is being submitted regularly to MoEF&CC, Central Ground Water Authority and Regional Director Central Ground Water Board.
 - Ground water quality monitoring report is as below.

S. No.	Parameter	Results (Ahirpura Block)			
		Pre-monsoon (29.05.20)	Monsoon (14.08.20)	Post Monsoon (11.11.20)	Winter (07.01.2021)
1	pH at 28 °C	7.41	7.85	7.39	7.44
2	Conductivity at 25° in umhos/cm	516	642	732	936
3	Colour in Hazen	Clear	<1.0	<1.0	<1.0
4	Turbidity in N.T.U.	1.2	3.6	<1.0	<1.0
5	Total Dissolved Solid in mg/l	309	372	428	596
6	Total Suspended Solid in mg/l	44	7.2	<2.5	<2.5
7	Total Hardness as CaCO ₃ in mg/l	150	184	341	164
8	Calcium as Ca in mg/l	120	33	124	62
9	Magnesium as Mg in mg/l	30	24	7.4	1.9
10	Total alkalinity as CaCO ₃ in mg/l	96	274	388	125
11	Chloride as Cl in mg/l	52	36	34	55.9
12	Oil & Grease in mg/l	1.0	<1.4	<1.4	<1.4
13	Fluoride as F in mg/l	0.34	0.44	0.50	0.72
14	Iron as Fe in mg/l	<0.05	0.07	<0.05	<0.05

S. No.	Parameter	Results (Murlia Block)			
		Pre-monsoon (29.05.2020)	Monsoon (14.08.2020)	Post Monsoon (11.11.2020)	Winter (07.01.2021)
1	pH at 28 °C	7.3	7.72	7.30	7.19
2	Conductivity at 25° in umhos/cm	711	738	750	748
3	Colour in Hazen	Clear	<1.0	<1.0	<1.0
4	Turbidity in N.T.U.	1.5	<1.0	<1.0	<1.0
5	Total Dissolved Solid in mg/l	426	442	442	482
6	Total Suspended Solid in mg/l	41	<2.5	<2.5	3.0
7	Total Hardness as CaCO ₃ in mg/l	280	270	303	316

		<table><tr><td>8</td><td>Calcium as Ca in mg/l</td><td>208</td><td>75</td><td>101</td><td>88</td></tr><tr><td>9</td><td>Magnesium as Mg in mg/l</td><td>74</td><td>20</td><td>12</td><td>23</td></tr><tr><td>10</td><td>Total alkalinity as CaCO3 in mg/l</td><td>204</td><td>175</td><td>301</td><td>293</td></tr><tr><td>11</td><td>Chloride as Cl in mg/l</td><td>50</td><td>58</td><td>59</td><td>54.0</td></tr><tr><td>12</td><td>Oil & Grease in mg/l</td><td>1.1</td><td><1.4</td><td><1.4</td><td><1.4</td></tr><tr><td>13</td><td>Fluoride as F in mg/l</td><td>0.46</td><td>0.30</td><td>0.43</td><td>0.42</td></tr></table> <p>➤ Online ground water level details are as below:</p> <table><tr><th>Month</th><th>Water Level (m) (avg)</th></tr><tr><td>OCTOBER-20</td><td>30.5</td></tr><tr><td>NOVEMBER-20</td><td>37.67</td></tr><tr><td>DECEMBER-20</td><td>41.04</td></tr><tr><td>JANUARY-21</td><td>42.06</td></tr><tr><td>FEBRUARY-21</td><td>42.77</td></tr><tr><td>MARCH-21</td><td>43.8</td></tr></table>	8	Calcium as Ca in mg/l	208	75	101	88	9	Magnesium as Mg in mg/l	74	20	12	23	10	Total alkalinity as CaCO3 in mg/l	204	175	301	293	11	Chloride as Cl in mg/l	50	58	59	54.0	12	Oil & Grease in mg/l	1.1	<1.4	<1.4	<1.4	13	Fluoride as F in mg/l	0.46	0.30	0.43	0.42	Month	Water Level (m) (avg)	OCTOBER-20	30.5	NOVEMBER-20	37.67	DECEMBER-20	41.04	JANUARY-21	42.06	FEBRUARY-21	42.77	MARCH-21	43.8
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(VII)	The project authorities should obtain prior approval of the competent authority for withdrawal of groundwater required for the project.	Complied with. NOC has been obtained for withdrawal of ground water from CGWA vide letter No 21-4(34)/WR/CGWA/2005-907 dated 14/05/2018 and amended dated 28/05/2018. Renewal of NOC has been applied on 12.02.2020.																																																		
(VIII)	Suitable rainwater harvesting measures on long term basis shall be planned and implemented in consultation with Regional Director, CGWB.	Complied with. Surface water during rainy season is collected in the lower bench of the mine to augment ground water resources.																																																		
(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.	Complied with. Regular water spraying arrangement on haul roads and on blast material before loading is done to control of fugitive emission.																																																		
(X)	Consent to operate should be obtained from SPCB for the enhanced production.	Complied with. CTO obtained vide letter No. F(Mines) / Chittorgarh (Nimbahera)/1869(1)/2017-2018/ 2136 - 2140 dated 20.06.2017 under air and water act.																																																		
(XI)	Vehicular emission should be kept under control and regularly monitored.	Complying with. Vehicle emission is being monitored regularly. Copy of PUC is enclosed as Annexure-II																																																		

(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.	Complied with. Mining is being done by controlled blasting technology. Use of sequential blasting Machine (SBM) Delay Detonator, Non Electric detonator, Regular monitoring of ground vibration is being practiced. Maximum peak particle velocity result as given as below: - QTR 03 (Oct' 20 to Dec' 20) = 2.91 mm/sec QTR 04 (Jan' 21 to March'21) = 3.70 mm/sec
(XIII)	Drills should either be operated with dust extractors or should be equipped with water injection system.	Complied with. Arrangement of wet drilling in all drill M/C has been provided to suppress the dust. 
(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.	Complying with. Digital processing report of the entire lease area has been submitted 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.	Will be complied. Presently it is a working mine and will expire on 31.03.2030 and final closure plan will be submitted due course of time.
(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.	Complying with. Mining is being done in accordance with approved Review of Mining Plan.
(II)	No change in the calendar plan including excavation, quantum of mineral limestone and waste should be made.	Complying with. Mining is being done in accordance with approved Review of Mining Plan.

(III)	<p>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.</p>	<p>Complying with.</p> <p>The Wildlife conservation plan has been prepared for six nos. of the following Schedule-I species found in the buffer area during the survey: -</p> <p>(a.) Pavocristatus (Indian Peafowl), (b.) Pantherapadusfusca (Indian Leopard), (c.) Prionailurusrubiginosus (Rusty-Spotted Cat), (d.) Canis lupus pallipes (Indian Wolf), (e.) Varanusbengalensis (Indian Monitor Lizard) & (f.) Gyps indicus/Gyps bengalensis (Indian Vulture)</p> <p>Combined Wildlife Conservation Plan has been approved by the Principal Conservator of Forest, Udaipur and recommendations forwarded to Additional Chief Conservator of Forest Jaipur for formal sanction vide letter no. F 5() forest conservation/ Principal conservator of Forest/2020-21/ 5002 dated 24.09.2020 and same proposal has been forwarded to APCCF, Jaipur on 15.10.2020 by DYCF, Jaipur. After approval of APCCF, conservation plan will be implemented.</p>
(IV)	<p>At least four ambient air quality monitoring station should be established in the core zone as well as the buffer zone for RPM, SPM, SO₂, NO_x, and CO monitoring. Location of the stations should 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, SO₂, 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.</p>	<p>Complied with.</p> <p>Monitoring reports are being regularly submitted to the concerned authority periodically.</p> <p>Ambient air quality and Noise monitoring has carried out by third party who is NABL accredited Laboratory are enclosed as Annexure-III.</p>
(V)	<p>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.</p>	<p>Complying with.</p> <p>Environment quality monitoring through in-house well equipped Environment Laboratory is being carried out regularly.</p> <p>In addition, monitoring is also being done by NABL accredited Laboratory on quarterly basis.</p>

(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.	Complied with. Regular water spraying arrangement on haul roads and on blast material before loading is practiced to control of fugitive emission.
(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.	Complying with. Regular maintenance (including cabin) of HEMM being done to keep noise level within the specified limits. Ear plugs has been provided to workers and employees engaged in operation of HEMM etc.
(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 with. Water collected from washing of HEMM in pit is used for dust suppression after removal of oil and grease contents and trapped oil and grease is co-processed in own cement kiln.
(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.	Complying with. PPEs have been provided and used by the persons engaged in drilling, dozing and loading. VT is being provided as under required VT Rules. Regular periodic check-up of workers is being carried out. Enclosed as Annexure-IV
(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.	Complied with. Integrated well-equipped environmental laboratory has been established.
(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.	Complied. A separate environmental management cell with qualified personnel has been established & has sufficient monitoring equipment in environmental laboratory.

(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.	<p>Complying with.</p> <p>For environment protection measures expenditure made during FY 2020-21 was Rs. 107.21 lacs as provided below.</p> <table border="1" data-bbox="730 320 1513 734"> <thead> <tr> <th>S. No.</th><th>Activity</th><th>Recurring Cost per Annum (Rs. In lacs)</th></tr> </thead> <tbody> <tr> <td>1.</td><td>Pollution control expenses (Others)</td><td>1.33</td></tr> <tr> <td>2.</td><td>Pollution control expenses (Statutory)</td><td>4.13</td></tr> <tr> <td>3.</td><td>Plantation/Gardening Expenses</td><td>23.19</td></tr> <tr> <td>4.</td><td>CSR Expenses</td><td>78.56</td></tr> <tr> <td colspan="2">Total (Rs.)</td><td>107.21</td></tr> </tbody> </table>	S. No.	Activity	Recurring Cost per Annum (Rs. In lacs)	1.	Pollution control expenses (Others)	1.33	2.	Pollution control expenses (Statutory)	4.13	3.	Plantation/Gardening Expenses	23.19	4.	CSR Expenses	78.56	Total (Rs.)		107.21
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Total (Rs.)		107.21																		
(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.	Noted and is/will extend full cooperation to the officer (s) of the Regional Office by furnishing the 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.	Complied.																		
(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.	Complied.																		
(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)	<p>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.</p>	<p>Complied.</p>
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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
C/o Kailash Nagar – 312617
Nimbahera – Distt. Chittorgarh (Raj.)

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

Report No. : MSK/UDR/2020-21/1395

Date : 04.12.2020

Sample No. : MSKGL/ED/2020-21/11/00616

Sample Description : Ground Water from Tube well

Sample Mark : Nimbahera Plant

Date of Sampling : 11.11.2020

ANALYSIS RESULT OF WATER AS PER IS : 10500 – 2012

Sl No.	Parameter	Desirable Limit	Permissible Limit	Method	Result
1.	pH at 25°C	6.5-8.5	No Relaxation	IS 3025 (Part 11)-1983; Rffm: 2012	7.55
2.	Conductivity at 25°C in µmhos/cm	---	---	IS 3025 (Part 14)- 2013	706
3.	Colour in Hazen	5	15	IS 3025 (Part 4)-1983; Rffm:2002	<1.0
4.	Odour	Agreeable	Agreeable	IS 3025 (Part 5)-1983 Rffm:2012	Agreeable
5.	Turbidity in N.T.U	1	5	IS 3025 (Part 10)-1984 Rffm: 2012	<1.0
6.	Total Dissolved Solids in mg/l	500	2000	IS 3025 (Part.16)-1984; Rffm:2002	424
7.	Total Suspended Solids in mg/l	---	---	IS 3025 (Part 24)-1986; Rffm:2009	<2.5
8.	Total Hardness as CaCO ₃ in mg/l	200	600	IS 3025 (Part 21)-2013	239
9.	Calcium as Ca in mg/l	75	200	IS 3025 (Part 40)- 1991 Rffm: 2009	78
10.	Magnesium as Mg in mg/l	30	100	IS 3025 (Part 46)-1994 Rffm: 2009	11
11.	Total Alkalinity as CaCO ₃ in mg/l	200	600	IS 3025 (Part 23)- 1986 Rffm: 2009	201
12.	Chloride as Cl in mg/l	250	1000	IS 3025 (Part 32)-1988 Rffm: 2009	79
13.	Oil & Grease in mg/l	---	---	IS 3025(Part 39)-Rffm 2009	<1.4
14.	Fluoride as F in mg/l	1.0	1.5	IS 3025 (Part 60)- 2008 Rffm: 2013	0.98
15.	Iron as Fe in mg/l	0.3	No relaxation	IS 3025 (Part 53)-1988 Rffm: 2009	<0.05

Sourav
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



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E: info@mitrask.com
W: www.mitrask.com

TEST REPORT

Name & Address of the Customer :
J.K. Cement Works, Nimbahera
C/o Kailash Nagar – 312617
Nimbahera – Distt. Chittorgarh (Raj.)

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

Report No. : MSK/UDR/2020-21/1398
Date : 04.12.2020
Sample No. : MSKGL/ED/2020-21/11/00619
Sample Description : Ground Water from Hand Pump (Near Hut)
Sample Mark : Nimbahera-Ahirpura Lime Stone Mine
(Murlia Block)
Date of Sampling : 11.11.2020

ANALYSIS RESULT OF WATER AS PER IS : 10500 – 2012

Sl No.	Parameter	Desirable Limit	Permissible Limit	Method	Result
1.	pH at 25°C	6.5-8.5	No Relaxation	IS 3025 (Part 11)-1983; Rffm: 2012	7.30
2.	Conductivity at 25°C in µmhos/cm	---	---	IS 3025 (Part 14)- 2013	750
3.	Colour in Hazen	5	15	IS 3025 (Part 4)-1983; Rffm:2002	<1.0
4.	Odour	Agreeable	Agreeable	IS 3025 (Part 5)-1983 Rffm:2012	Agreeable
5.	Turbidity in N.T.U	1	5	IS 3025 (Part 10)-1984 Rffm: 2012	<1.0
6.	Total Dissolved Solids in mg/l	500	2000	IS 3025 (Part 16)-1984; Rffm:2002	442
7.	Total Suspended Solids in mg/l	---	---	IS 3025 (Part 24)-1986; Rffm:2009	<2.5
8.	Total Hardness as CaCO ₃ in mg/l	200	600	IS 3025 (Part 21)-2013	303
9.	Calcium as Ca in mg/l	75	200	IS 3025 (Part 40)- 1991 Rffm: 2009	101
10.	Magnesium as Mg in mg/l	30	100	IS 3025 (Part 46)-1994 Rffm: 2009	12
11.	Total Alkalinity as CaCO ₃ in mg/l	200	600	IS 3025 (Part 23)- 1986 Rffm: 2009	301
12.	Chloride as Cl in mg/l	250	1000	IS 3025 (Part 32)-1988 Rffm: 2009	59
13.	Oil & Grease in mg/l	---	---	IS 3025(Part 39)-Rffm 2009	<1.4
14.	Fluoride as F in mg/l	1.0	1.5	IS 3025 (Part 60)- 2008 Rffm: 2013	0.43
15.	Iron as Fe in mg/l	0.3	No relaxation	IS 3025 (Part 53)-1988 Rffm: 2009	<0.05

V. Sourav
Checked By:-

For Mitra S.K. Pvt. Ltd.



Mitra S.K. Private Limited

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

Name & Address of the Customer :

J.K. Cement Works, Nimbahera

C/o Kailash Nagar – 312617

Nimbahera – Distt. Chittorgarh (Raj.)

Report No. : MSK/UDR/2020-21/1895

Date : 31.01.2021

Sample No. : MSKGL/ED/2020-21/01/00599

Sample Description : Ground Water from Hand Pump (Near Hut)

Sample Mark : Nimbahera-Ahirpura Lime Stone Mine
(Murlia Block)

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

Date of Sampling : 07/01/2021

ANALYSIS RESULT OF WATER AS PER IS : 10500 – 2012

Sl No.	Parameter	Desirable Limit	Permissible Limit	Method	Result
1.	pH at 25°C	6.5-8.5	No Relaxation	IS 3025 (Part 11)-1983; Rffm: 2012	7.19
2.	Conductivity at 25°C in μ mhos/cm	---	---	IS 3025 (Part 14)- 2013	748
3.	Colour in Hazen	5	15	IS 3025 (Part 4)-1983; Rffm:2002	<1.0
4.	Odour	Agreeable	Agreeable	IS 3025 (Part 5)-1983 Rffm:2012	Agreeable
5.	Turbidity in N.T.U	1	5	IS 3025 (Part 10)-1984 Rffm: 2012	<1.0
6.	Total Dissolved Solids in mg/l	500	2000	IS 3025 (Part 16)-1984; Rffm:2002	482
7.	Total Suspended Solids in mg/l	---	---	IS 3025 (Part 24)-1986; Rffm:2009	3
8.	Total Hardness as CaCO ₃ in mg/l	200	600	IS 3025 (Part 21)-2013	316
9.	Calcium as Ca in mg/l	75	200	IS 3025 (Part 40)- 1991 Rffm: 2009	88
10.	Magnesium as Mg in mg/l	30	100	IS 3025 (Part 46)-1994 Rffm: 2009	23
11.	Total Alkalinity as CaCO ₃ in mg/l	200	600	IS 3025 (Part 23)- 1986 Rffm: 2009	293
12.	Chloride as Cl in mg/l	250	1000	IS 3025 (Part 32)-1988 Rffm: 2009	54
13.	Oil & Grease in mg/l	---	---	IS 3025(Part 39)-Rffm 2009	<1.4
14.	Fluoride as F in mg/l	1.0	1.5	IS 3025 (Part 60)- 2008 Rffm: 2013	0.42
15.	Iron as Fe in mg/l	0.3	No relaxation	IS 3025 (Part 53)-1988 Rffm: 2009	<0.05

Checked By:-

For Mitra S. K. Pvt. Ltd.



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Mitra S.K. Private Limited

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TEST REPORT

Name & Address of the Customer :
J.K. Cement Works, Nimbahera
C/o Kailash Nagar – 312617
Nimbahera – Distt. Chittorgarh (Raj.)

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

Report No. : MSK/UDR/2020-21/1893

Date : 31.01.2021

Sample No. : MSKGL/ED/2020-21/01/00597

Sample Description : Ground Water from Tube well

Sample Mark : Nimbahera Plant

Date of Sampling : 07/01/2021

ANALYSIS RESULT OF WATER AS PER IS : 10500 – 2012

Sl No.	Parameter	Desirable Limit	Permissible Limit	Method	Result
1.	pH at 25°C	6.5-8.5	No Relaxation	IS 3025 (Part 11)-1983; Rffm: 2012	7.60
2.	Conductivity at 25°C in $\mu\text{mhos/cm}$	---	---	IS 3025 (Part 14)- 2013	632
3.	Colour in Hazen	5	15	IS 3025 (Part 4)-1983; Rffm:2002	<1.0
4.	Odour	Agreeable	Agreeable	IS 3025 (Part 5)-1983 Rffm:2012	Agreeable
5.	Turbidity in N.T.U	1	5	IS 3025 (Part 10)-1984 Rffm: 2012	<1.0
6.	Total Dissolved Solids in mg/l	500	2000	IS 3025 (Part 16)-1984; Rffm:2002	406
7.	Total Suspended Solids in mg/l	---	---	IS 3025 (Part 24)-1986; Rffm:2009	<2.5
8.	Total Hardness as CaCO_3 in mg/l	200	600	IS 3025 (Part 21)-2013	230
9.	Calcium as Ca in mg/l	75	200	IS 3025 (Part 40)- 1991 Rffm: 2009	72
10.	Magnesium as Mg in mg/l	30	100	IS 3025 (Part 46)-1994 Rffm: 2009	12
11.	Total Alkalinity as CaCO_3 in mg/l	200	600	IS 3025 (Part 23)- 1986 Rffm: 2009	125
12.	Chloride as Cl in mg/l	250	1000	IS 3025 (Part 32)-1988 Rffm: 2009	73
13.	Oil & Grease in mg/l	---	---	IS 3025(Part 39)-Rffm 2009	<1.4
14.	Fluoride as F in mg/l	1.0	1.5	IS 3025 (Part 60)- 2008 Rffm: 2013	0.96
15.	Iron as Fe in mg/l	0.3	No relaxation	IS 3025 (Part 53)-1988 Rffm: 2009	<0.05

Checked By:-



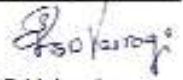
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J.K. Cement Limestone Mine (Murla Mines)
Tippers PUC Details

Annexure- II

Date- 5/1/2021

S.No.	Tipper No.	Date of Test	Validity	Model	Year of Manufacturing
1	RJ09 GB 8428	13-Dec-20	12-Jun-21	2518	2016
2	RJ09 GB 4828	13-Dec-20	12-Jun-21	2518	2016
5	RJ 09 GB 8528	13-Dec-20	12-Jun-21	2518	2016
6	RJ 09 GB 8728	13-Dec-20	12-Jun-21	2518	2016
3	RJ09 GC0328	13-Dec-20	12-Jun-21	3718	2018
4	RJ09 GC 2528	13-Dec-20	12-Jun-21	3718	2018
7	RJ 09 GC 1128	13-Dec-20	12-Jun-21	3718	2018
8	RJ 09 GC 1228	13-Dec-20	12-Jun-21	3718	2018
9	RJ 09 GC 1328	13-Dec-20	12-Jun-21	3718	2018
10	RJ 09 GC 1428	13-Dec-20	12-Jun-21	3718	2018
11	RJ 09 GC 2328	13-Dec-20	12-Jun-21	3718	2018


S.D.Vairagi
Sr. Manager(Mines)

J.K. Cement WORKS, NIMBAHERA (RAJ)
NIMBAHERA - AHIRPURA LIMESTONE MINE (Ahipura Block)
SIX MONTHLY AMBIENT AIR QUALITY & NOISE MONITORING REPORT
October'2020 to March'2021

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

Sample duration: 24 hours
(monthly average basis)

Month	Near Mines Gate					Near Mines Water Pump House				
	PM10	PM 2.5	SO ₂	NO _x	CO	PM10	PM 2.5	SO ₂	NO _x	CO
Oct-20	40.3	29.5	12.7	22.9	596	44.6	33.6	13.4	24.4	481
Nov-20	38.6	31.2	12.2	20.3	613	52.7	41.4	15.3	24.8	705
Dec-20	52.8	37.9	15.0	25.0	733	73.6	42.8	14.5	25.2	579
Jan-21	41.3	32.0	10.9	21.4	699	53.2	32.1	14.6	26.5	670
Feb-21	52.5	34.5	11.4	23.1	716	58.6	29.8	15.1	28.7	693
Mar-21	59.4	33.3	13.8	25.1	796	68.5	31.8	14.2	25.0	716
AVERAGE	47.5	33.1	12.7	23.0	692	58.5	35.2	14.5	25.8	641

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

Month	Near Mines Gate		Near Mine Water Pump House	
	DAY	NIGHT	DAY	NIGHT
Oct-20	58.0	52.0	60.0	51.0
Nov-20	57.4	51.6	59.6	50.9
Dec-20	58.1	52.4	60.3	51.4
Jan-21	56.5	51.4	61.2	50.8
Feb-21	59.3	57.3	64.3	59.5
Mar-21	55.2	53.2	60.6	56.2

J.K. Cement WORKS, NIMBAHERA (RAJ)
NIMBAHERA - AHIRPURA LIMESTONE MINE (Murlia block)
SIX MONTHLY AMBIENT AIR QUALITY & NOISE MONITORING REPORT
October'2020 to March'2021

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

Sample duration: 24 hours
(monthly average basis)

Month	Near Mines Gate					Near Ravana Office					3 to10 Meter Distance From Drilling Operation				Near loading point			
	PM10	PM 2.5	SO ₂	NO _x	CO	PM10	PM 2.5	SO ₂	NO _x	CO	SPM	SO ₂	NO _x	CO	SPM	SO ₂	NO _x	CO
Oct-20	46.5	35.0	15.7	23.8	596	55.8	42.7	13.7	22.9	619	343	13.0	23.5	607	376	15.6	25.9	653
Nov-20	54.5	40.3	14.7	26.3	527	69.7	49.8	19.9	28.1	894	407	14.2	28.1	768	375	13.5	22.4	676
Dec-20	59.6	41.7	16.5	27.8	510	73.4	53.0	20.8	28.7	853	418	14.7	28.2	745	364	15.2	24.3	871
Jan-21	43.7	32.5	14.3	23.8	601	53.4	28.2	18.5	27.8	750	390	15.1	28.5	876	357	11.0	20.3	716
Feb-21	45.9	28.6	18.4	26.3	659	54.0	29.4	22.0	30.4	773	412	17.4	30.2	819	378	12.9	23.3	756
Mar-21	47.9	30.5	13.6	23.8	790	52.3	31.1	13.2	24.8	842	376	13.6	23.8	790	373	13.9	24.1	704
AVERAGE	49.7	34.8	15.5	25.3	614	59.8	39.0	18.0	27.1	789	391	14.7	27.0	768	371	13.7	23.4	729

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

Month	Near Mines Gate		Near Ravana Office	
	DAY	NIGHT	DAY	NIGHT
Oct-20	59.0	52.0	63	57
Nov-20	60.1	53.6	64.2	56.8
Dec-20	59.4	52.8	63.7	55.8
Jan-21	61.4	51.1	62.6	55.6
Feb-21	62.4	58.5	65.6	60.2
Mar-21	60.6	55.3	62.2	54.2

Mitra S.K. Private Limited

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

Name & Address of the Customer :

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

Report No. : MSK/UDR/2020-21/1720

Date : 07.01.2021

Sample No. : MSKGL/ED/2020-21/12/01650

Sample Description : Ambient Air

Sampling Location : Ahirpura Village (Ahirpura Mine)

Date of Sampling : 14/15.12.2020

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	68	IS: 5182:(Part-23)-2006
2	Particulate matter(PM _{2.5}) in $\mu\text{g}/\text{m}^3$	60	42	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	21.6	IS: 5182 (Part- 6)-2006
5	Carbon monoxide(CO) in mg/m^3	2	0.51	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 Center (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/2020-21/1715

Date : 07.01.2021

Sample No. : MSKGL/ED/2020-21/12/01645

Sample Description : Ambient Air

Sampling Location : Near Water Pump House (Ahirpura Mine)

Date of Sampling : 14/15.12.2020

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	85	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	9.0	IS: 5182 (Part-2)-2001
4	Nitrogen dioxide (NO ₂) in $\mu\text{g}/\text{m}^3$	80	25.6	IS: 5182 (Part- 6)-2006
5	Carbon monoxide(CO) in mg/m^3	2	0.77	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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74B, Acharya Jagadish Chandra Bose Road
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TEST REPORT

Name & Address of the Customer :

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

Report No. : MSK/UDR/2020-21/1716

Date : 07.01.2021

Sample No. : MSKGL/ED/2020-21/12/01646

Sample Description : Ambient Air

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

Date of Sampling : 14/15.12.2020

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	80	IS: 5182:(Part-23)-2006
2	Particulate matter(PM _{2.5}) in $\mu\text{g}/\text{m}^3$	60	43	TPM/MSK/ENV (AP) /01/03
3	Sulphur dioxide(SO ₂) in $\mu\text{g}/\text{m}^3$	80	8.2	IS: 5182 (Part-2)-2001
4	Nitrogen dioxide (NO ₂) in $\mu\text{g}/\text{m}^3$	80	25.6	IS: 5182 (Part- 6)-2006
5	Carbon monoxide(CO) in mg/m^3	2	0.77	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 Center (5th Floor)
74B, Acharya Jagadish Chandra Bose Road
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TEST REPORT

Name & Address of the Customer :

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

Report No. : MSK/UDR/2020-21/1717

Date : 07.01.2021

Sample No. : MSKGL/ED/2020-21/12/01647

Sample Description : Ambient Air

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

Date of Sampling : 15/16.12.2020

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	85	IS: 5182:(Part-23)-2006
2	Particulate matter(PM _{2.5}) in µg/m ³	60	55	TPM/MSK/ENV (AP) /01/03
3	Sulphur dioxide(SO ₂) in µg/m ³	80	10.2	IS: 5182 (Part-2)-2001
4	Nitrogen dioxide (NO ₂) in µg/m ³	80	29.1	IS: 5182 (Part- 6)-2006
5	Carbon monoxide(CO) in mg/m ³	2	0.59	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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74B, Acharya Jagadish Chandra Bose Road
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TEST REPORT

Name & Address of the Customer :

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

Report No. : MSK/UDR/2020-21/1718

Date : 07.01.2021

Sample No. : MSKGL/ED/2020-21/12/01648

Sample Description : Ambient Air

Sampling Location : Near Ravana Office (Murlia Block)

Date of Sampling : 15/16.12.2020

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	90	IS: 5182:(Part-23)-2006
2	Particulate matter(PM _{2.5}) in µg/m ³	60	52	TPM/MSK/ENV (AP) /01/03
3	Sulphur dioxide(SO ₂) in µg/m ³	80	8.1	IS: 5182 (Part-2)-2001
4	Nitrogen dioxide (NO ₂) in µg/m ³	80	25.4	IS: 5182 (Part- 6)-2006
5	Carbon monoxide(CO) in mg/m ³	2	0.51	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/2020-21/1719

Date : 07.01.2020

Sample No. : MSKGL/ED/2020-21/12/01649

Sample Description : Ambient Air

Sampling Location : Murlia Village (Ahirpura Mine)

Date of Sampling : 15/16.12.2020

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	65	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	9.9	IS: 5182 (Part-2)-2001
4	Nitrogen dioxide (NO ₂) in $\mu\text{g}/\text{m}^3$	80	26.1	IS: 5182 (Part- 6)-2006
5	Carbon monoxide(CO) in mg/m^3	2	0.41	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 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/2020-21/1733

Date : 07.01.2021

Sample No. : MSKGL/ED/2020-21/12/01663

Sample Description : Fugitive Air

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

Date of Sampling : 15.12.2020

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 $\mu\text{g}/\text{m}^3$	354	IS: 5182:(Part-4)-1999
2	Sulphur dioxide(SO ₂) in $\mu\text{g}/\text{m}^3$	9.1	IS: 5182 (Part-2)-2001
3	Nitrogen dioxide (NO ₂) in $\mu\text{g}/\text{m}^3$	31.5	IS: 5182 (Part- 6)-2006
4	Carbon monoxide(CO) in mg/m^3	0.82	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



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E: info@mitrask.com
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TEST REPORT

Name & Address of the Customer :

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

Report No. : MSK/UDR/2020-21/1734

Date : 07.01.2021

Sample No. : MSKGL/ED/2020-21/12/01664

Sample Description : Fugitive Air

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

Date of Sampling : 15.12.2020

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 $\mu\text{g}/\text{m}^3$	309	IS 5182 (Part-4) - 1999
2	Sulphur dioxide(SO ₂) in $\mu\text{g}/\text{m}^3$	7.9	IS: 5182 (Part-2)-2001
3	Nitrogen dioxide (NO _x) in $\mu\text{g}/\text{m}^3$	30.4	IS: 5182 (Part- 6)-2006
4	Carbon monoxide(CO) in mg/m^3	0.62	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



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TEST REPORT

Name & Address of the Customer :

J.K.Cement Works, Nimbahera

Distt. Chittorgarh (Raj.)

Report No. : MSK/UDR/2020-21/1741

Date : 07.01.2021

Sample No. : MSKGL/ED/2020-21/12/01673 to 1676

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.	14/15.12.2020	Near Water Pump House (Ahipura Mine)	65.8	42.3
2.		Near Mine Office, Murlia Block (Ahipura Mine)	52.3	39.5
3.	15/16.12.2020	Near Ravana OfficeMurlia Block (Ahipura Mine)	56.5	40.0
4.		Near Mine Office (Ahipura Mine)	54.1	39.8
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

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



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F: 91 33 22650008
E: info@mitrask.com
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TEST REPORT

Name & Address of the Customer :

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

Report No. : MSK/UDR/2020-21/2115

Date : 19.03.2021

Sample No. : MSKGL/ED/2020-21/03/00109

Sample Description : Ambient Air

Sampling Location : Near Water Pump House, Ahirpura

Date of Sampling : 04/05.02.2021

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

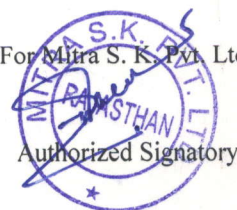
AMBIENT AIR QUALITY MONITORING REPORT

SL. NO.	Pollutants	Limit	Result	Method of Test Reference
1	Particulate matter (PM ₁₀) in $\mu\text{g}/\text{m}^3$	100	65.4	IS: 5182:(Part-23)-2006
2	Particulate matter(PM _{2.5}) in $\mu\text{g}/\text{m}^3$	60	38.0	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	26.0	IS: 5182 (Part- 6)-2006
5	Carbon monoxide(CO) in mg/m^3	2	0.65	IS 5182 :(Part-10) :1999
6	Ozone (O ₃) in $\mu\text{g}/\text{m}^3$	180	<20	TPM/MSK/ENV(AP)/01/07
7	Ammonia (NH ₃) in $\mu\text{g}/\text{m}^3$	400	11.0	TPM/MSK/ENV(AP)/01/08
8	Lead (Pb) in $\mu\text{g}/\text{m}^3$	1	<0.01	EPA-IO 3.4
9	Nickel (Ni) in ng/m^3	20	<5.0	EPA-IO 3.4
10	Arsenic (As) in ng/m^3	6	<1.0	EPA-IO 3.4
11	Benzene (C ₆ H ₆) in $\mu\text{g}/\text{m}^3$	5	<4.2	IS 5182 : Part. 11 : 2006
12	Benzo(a) pyrene (BaP) in ng/m^3	1	<0.5	IS 5182 : Part. 12 : 2004

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

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



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E: info@mitrask.com
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TEST REPORT

Name & Address of the Customer :

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

Report No. : MSK/UDR/2020-21/2116

Date : 19.03.2021

Sample No. : MSKGL/ED/2020-21/03/00110

Sample Description : Ambient Air

Sampling Location : Near Mine Office, Ahirpura Block

Date of Sampling : 04/05.02.2021

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

AMBIENT AIR QUALITY MONITORING REPORT

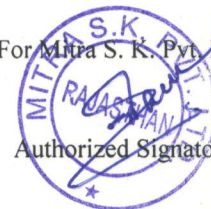
SL. NO.	Pollutants	Limit	Result	Method of Test Reference
1	Particulate matter (PM ₁₀) in µg/m ³	100	66.2	IS: 5182:(Part-23)-2006
2	Particulate matter(PM _{2.5}) in µg/m ³	60	34.6	TPM/MSK/ENV(AP)/01/03
3	Sulphur dioxide(SO ₂) in µg/m ³	80	6.7	IS: 5182 (Part-2)-2001
4	Nitrogen dioxide (NO ₂) in µg/m ³	80	23.0	IS: 5182 (Part- 6)-2006
5	Carbon monoxide(CO) in mg/m ³	2	0.78	IS 5182 :(Part-10) :1999
6	Ozone (O ₃) in µg/m ³	180	<20	TPM/MSK/ENV(AP)/01/07
7	Ammonia (NH ₃) in µg/m ³	400	12.0	TPM/MSK/ENV(AP)/01/08
8	Lead (Pb) in µg/m ³	1	0.02	EPA-IO 3.4
9	Nickel (Ni) in ng/m ³	20	<5.0	EPA-IO 3.4
10	Arsenic (As) in ng/m ³	6	<1.0	EPA-IO 3.4
11	Benzene (C ₆ H ₆) in µg/m ³	5	<4.2	IS 5182 : Part. 11 : 2006
12	Benzo(a) pyrene (BaP) in ng/m ³	1	<0.5	IS 5182 : Part. 12 : 2004

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



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TEST REPORT

Name & Address of the Customer :

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

Report No. : MSK/UDR/2020-21/2117

Date : 19.03.2021

Sample No. : MSKGL/ED/2020-21/03/00111

Sample Description : Ambient Air

Sampling Location : Near Mine Office, Murlia Block

Date of Sampling : 04/05.02.2021

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

AMBIENT AIR QUALITY MONITORING REPORT

SL. NO.	Pollutants	Limit	Result	Method of Test Reference
1	Particulate matter (PM ₁₀) in $\mu\text{g}/\text{m}^3$	100	67.2	IS: 5182:(Part-23)-2006
2	Particulate matter(PM _{2.5}) in $\mu\text{g}/\text{m}^3$	60	35.1	TPM/MSK/ENV(AP)/01/03
3	Sulphur dioxide(SO ₂) in $\mu\text{g}/\text{m}^3$	80	7.4	IS: 5182 (Part-2)-2001
4	Nitrogen dioxide (NO ₂) in $\mu\text{g}/\text{m}^3$	80	25.0	IS: 5182 (Part- 6)-2006
5	Carbon monoxide(CO) in mg/m^3	2	0.71	IS 5182 :(Part-10) :1999
6	Ozone (O ₃) in $\mu\text{g}/\text{m}^3$	180	<20	TPM/MSK/ENV(AP)/01/07
7	Ammonia (NH ₃) in $\mu\text{g}/\text{m}^3$	400	14.0	TPM/MSK/ENV(AP)/01/08
8	Lead (Pb) in $\mu\text{g}/\text{m}^3$	1	<0.01	EPA-IO 3.4
9	Nickel (Ni) in ng/m^3	20	<5.0	EPA-IO 3.4
10	Arsenic (As) in ng/m^3	6	<1.0	EPA-IO 3.4
11	Benzene (C ₆ H ₆) in $\mu\text{g}/\text{m}^3$	5	<4.2	IS 5182 : Part. 11 : 2006
12	Benzo(a) pyrene (BaP) in ng/m^3	1	<0.5	IS 5182 : Part. 12 : 2004

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

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



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TEST REPORT

Name & Address of the Customer :

J.K.Cement Works, Nimbahera

Distt. Chittorgarh (Raj.)

Report No. : MSK/UDR/2020-21/2118

Date : 19.03.2021

Sample No. : MSKGL/ED/2020-21/03/00112

Sample Description : Ambient Air

Sampling Location : Near Ravana Office, Murlia Block

Date of Sampling : 04/05.02.2021

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

AMBIENT AIR QUALITY MONITORING REPORT

SL. NO.	Pollutants	Limit	Result	Method of Test Reference
1	Particulate matter (PM ₁₀) in $\mu\text{g}/\text{m}^3$	100	71.6	IS: 5182:(Part-23)-2006
2	Particulate matter(PM _{2.5}) in $\mu\text{g}/\text{m}^3$	60	41.4	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	32.0	IS: 5182 (Part- 6)-2006
5	Carbon monoxide(CO) in mg/m^3	2	0.78	IS 5182 :(Part-10) :1999
6	Ozone (O ₃) in $\mu\text{g}/\text{m}^3$	180	<20	TPM/MSK/ENV(AP)/01/07
7	Ammonia (NH ₃) in $\mu\text{g}/\text{m}^3$	400	11.0	TPM/MSK/ENV(AP)/01/08
8	Lead (Pb) in $\mu\text{g}/\text{m}^3$	1	<0.01	EPA-IO 3.4
9	Nickel (Ni) in ng/m^3	20	<5.0	EPA-IO 3.4
10	Arsenic (As) in ng/m^3	6	<1.0	EPA-IO 3.4
11	Benzene (C ₆ H ₆) in $\mu\text{g}/\text{m}^3$	5	<4.2	IS 5182 : Part. 11 : 2006
12	Benzo(a) pyrene (BaP) in ng/m^3	1	<0.5	IS 5182 : Part. 12 : 2004

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



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TEST REPORT

Name & Address of the Customer :

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

Report No. : MSK/UDR/2020-21/2119

Date : 19.03.2021

Sample No. : MSKGL/ED/2020-21/03/00113

Sample Description : Ambient Air

Sampling Location : Murlia Village, Ahirpura

Date of Sampling : 04/05.02.2021

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

AMBIENT AIR QUALITY MONITORING REPORT

SL. NO.	Pollutants	Limit	Result	Method of Test Reference
1	Particulate matter (PM ₁₀) in $\mu\text{g}/\text{m}^3$	100	62.1	IS: 5182:(Part-23)-2006
2	Particulate matter(PM _{2.5}) in $\mu\text{g}/\text{m}^3$	60	38.3	TPM/MSK/ENV(AP)/01/03
3	Sulphur dioxide(SO ₂) in $\mu\text{g}/\text{m}^3$	80	7.4	IS: 5182 (Part-2)-2001
4	Nitrogen dioxide (NO ₂) in $\mu\text{g}/\text{m}^3$	80	19.0	IS: 5182 (Part- 6)-2006
5	Carbon monoxide(CO) in mg/m^3	2	0.36	IS 5182 :(Part-10) :1999
6	Ozone (O ₃) in $\mu\text{g}/\text{m}^3$	180	<20	TPM/MSK/ENV(AP)/01/07
7	Ammonia (NH ₃) in $\mu\text{g}/\text{m}^3$	400	13.0	TPM/MSK/ENV(AP)/01/08
8	Lead (Pb) in $\mu\text{g}/\text{m}^3$	1	0.02	EPA-IO 3.4
9	Nickel (Ni) in ng/m^3	20	<5.0	EPA-IO 3.4
10	Arsenic (As) in ng/m^3	6	<1.0	EPA-IO 3.4
11	Benzene (C ₆ H ₆) in $\mu\text{g}/\text{m}^3$	5	<4.2	IS 5182 : Part. 11 : 2006
12	Benzo(a) pyrene (BaP) in ng/m^3	1	<0.5	IS 5182 : Part. 12 : 2004

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



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TEST REPORT

Name & Address of the Customer :

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

Report No. : MSK/UDR/2020-21/2120

Date : 19.03.2021

Sample No. : MSKGL/ED/2020-21/03/00114

Sample Description : Ambient Air

Sampling Location : Ahirpura Village, Nimbahera

Date of Sampling : 04/05.02.2021

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

AMBIENT AIR QUALITY MONITORING REPORT

SL. NO.	Pollutants	Limit	Result	Method of Test Reference
1	Particulate matter (PM ₁₀) in µg/m ³	100	65.2	IS: 5182:(Part-23)-2006
2	Particulate matter(PM _{2.5}) in µg/m ³	60	38.6	TPM/MSK/ENV(AP)/01/03
3	Sulphur dioxide(SO ₂) in µg/m ³	80	8.2	IS: 5182 (Part-2)-2001
4	Nitrogen dioxide (NO ₂) in µg/m ³	80	22.0	IS: 5182 (Part- 6)-2006
5	Carbon monoxide(CO) in mg/m ³	2	0.31	IS 5182 :(Part-10) :1999
6	Ozone (O ₃) in µg/m ³	180	<20	TPM/MSK/ENV(AP)/01/07
7	Ammonia (NH ₃) in µg/m ³	400	12.0	TPM/MSK/ENV(AP)/01/08
8	Lead (Pb) in µg/m ³	1	<0.01	EPA-IO 3.4
9	Nickel (Ni) in ng/m ³	20	<5.0	EPA-IO 3.4
10	Arsenic (As) in ng/m ³	6	<1.0	EPA-IO 3.4
11	Benzene (C ₆ H ₆) in µg/m ³	5	<4.2	IS 5182 : Part. 11 : 2006
12	Benzo(a) pyrene (BaP) in ng/m ³	1	<0.5	IS 5182 : Part. 12 : 2004

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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74B, Acharya Jagadish Chandra Bose Road
Kolkata – 700 016, West Bengal India
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TEST REPORT

Name & Address of the Customer :

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

Report No. : MSK/UDR/2020-21/2146

Date : 19.03.2021

Sample No. : MSKGL/ED/2020-21/03/00172

Sample Description : Fugitive Air

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

Date of Sampling : 06.02.2021

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 $\mu\text{g}/\text{m}^3$	311	IS 5182 (Part-4) - 1999
2	Sulphur dioxide(SO ₂) in $\mu\text{g}/\text{m}^3$	8.3	IS: 5182 (Part-2)-2001
3	Nitrogen dioxide (NO _x) in $\mu\text{g}/\text{m}^3$	18.0	IS: 5182 (Part- 6)-2006
4	Carbon monoxide(CO) in mg/m^3	0.68	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



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F: 91 33 22650008
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TEST REPORT

Name & Address of the Customer :

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

Report No. : MSK/UDR/2020-21/2147

Date : 19.03.2021

Sample No. : MSKGL/ED/2020-21/03/00173

Sample Description : Fugitive Air

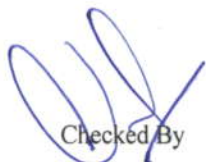
Sampling Location : 3-10 Meter Distance from Drilling
point of Murlia Block (Nimbahera-Ahirpura Mine)

Date of Sampling : 06.02.2021

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 $\mu\text{g}/\text{m}^3$	394	IS: 5182:(Part-4)-1999
2	Sulphur dioxide(SO ₂) in $\mu\text{g}/\text{m}^3$	7.1	IS: 5182 (Part-2)-2001
3	Nitrogen dioxide (NO ₂) in $\mu\text{g}/\text{m}^3$	19.4	IS: 5182 (Part- 6)-2006
4	Carbon monoxide(CO) in mg/m^3	0.76	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



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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/2020-21/2148

Date : 19.03.2021

Sample No. : MSKGL/ED/2020-21/03/00174

Sample Description : Fugitive Air

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

Date of Sampling : 06.02.2021

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 $\mu\text{g}/\text{m}^3$	415	IS 5182 (Part-4) - 1999
2	Sulphur dioxide(SO ₂) in $\mu\text{g}/\text{m}^3$	9.5	IS: 5182 (Part-2)-2001
3	Nitrogen dioxide (NO _x) in $\mu\text{g}/\text{m}^3$	24.0	IS: 5182 (Part- 6)-2006
4	Carbon monoxide(CO) in mg/m^3	0.83	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/2020-21/2163

Date : 19.03.2021

Sample No. : MSKGL/ED/2020-21/03/00192 to 00195

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.	05/06.02.2021	Near Water Pump House (Ahipura Block)	60.7	41.5
2.		Near Mine Office (Ahipura Block)	57.4	38.2
3.	05/06.02.2021	Near Mine Office (Murlia Blocck)	55.8	39.0
4.		Near Ravana Office (Murlia Blocck)	59.1	38.9
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

medical,

13/01/21

A.No-71

Report of Medical Examination under rule 29 B

(To be issued in triplicate **)

Certificate No.....

Certified that shri **NARAYAN GADRI S/O RAMGOPAL GADRI** as **HELPER** in **MURLIYA LIME STONE MINES**, Form B No. . ,

Has been examined for an **initial** / periodical medical examination. He appears to be **18** years of age.

The findings of the examining authority are given in the attached sheet. It is considered that –

Shri **NARAYAN GADRI S/O RAMGOPAL GADRI**.

(a) * is medically fit for any employment in mines,

(b) * is suffering fromand is medically unfit for –

- (i) Any employment in mine; or
- (ii) Any employment below ground; or
- (iii) Any employment or work

(c) * is suffering fromshould get this disability cured / controlled * and should be again examined within a period ofmonths. He will appear for re- examination with the result of test of and the opinion of

Specialist from He may be permitted / not permitted * to carry on his duties during this period



Signature of the examining
Authority

.....

Dr. PANKAJ MANI
Name and designation in
Block letters
MEDICAL SUPERINTENDENT
J.R.C.W. MANGROL (RAJ.)
REG. No 29527

*Delete whatever is not applicable** One copy of the certificate shall be handed over to the person concerned and another copy shall be sent to the manager of the mine concerned by registered post ; and the third copy shall be retained by the examining authority.

FORM - O (Continued)

Report of the examination authority

(To be filled in for every medical examination whether initial or periodical or re-examination or after cure / control of disability)

Annexure to certificate no. -----As a result of medical examination on -----

Identification Mark -

Left thumb impression of the candidate.

1. General Development

Good

Fair

Poor

2. Height :- 175 cms.

3. Weight :- 54 kg.

4. Eyes :-

(i) Visual acuity Normal Distance vision (with or without glasses)

(ii) Any organic disease of eyes No

(iii) Night blindness No

(iv) Color blindness Normal

(v) Squint No

(To be tested in special cases)

5. Ears :-

(i) Hearing Right ear Normal Left ear Normal

(ii) Any organic disease No

6. Respiratory system (Chest measurement) :-

(i) After full inspiration:- 87 cms.

(ii) After full expiration :- 84 cms.

7. Circulatory system :-

(i) Blood Pressure :- 120/80 /mmhg.

(ii) Pulse :- 61 / min.

8. Abdomen :-

- (i) Tenderness-----No-----
(ii) Liver-----N.M.-----
(iii) Spleen-----N.M.-----
(iii) Tumour-----No-----

9. Nervous system :-

- (i) History of fits or epilepsy-----No-----
(ii) Paralysis-----No-----
(iii) Mental Health-----Normal-----

10. Locomotors system-----N.M.-----

11. Skin-----Normal-----

12. Hernia-----No-----

13. Hydrocele-----No-----

14. Any other abnormality-----

15. Urine :-

- (i) Reaction-----Acidic-----
(ii) Albumin-----Nil-----
(iii) Sugar-----Nil-----

16. Skiagram of chest.-----Normal-----

17. Any other test considered necessary by the examining authority.-----No-----

18. Any opinion of specialist considered necessary-----No-----

Signature of the examining Authority

Regd. No.

Place:-

Dr. PANKAJ MANI
MEDICAL SUPERINTENDENT
J.K.C.W. MANGROL (RAJ.)
REG. No. 29527

Report of Medical Examination under Mines Rules 29 B

(To be used in continuation of Form O)

Certificate No. :-

Name: - NARAYAN GADRI S/O RAMGOPAL GADRI.

Identification Marks:-

Result of Lung Function Test (Spirometry)

Particulars	Predicted Value	Performed Value	% of Predicted
Forced Vital Capacity (FVC)			
Forced Expiration Volume -1 (FEV-1)			
FEV-1 / FVC			
Peak Expiratory Flow			

Spirometry report enclosed

Test No done due to COVID-19 - pending

Signature of Examination Authority

Regd. No.

STATE OF MICHIGAN
DEPARTMENT OF MINES
DIVISION OF MINERAL
INDUSTRIES

Report of Medical Examination as per the recommendations of National Safety Conference in Mines

(To be used in continuation of Form O)

Certificate No. :-

Name: - NARAYAN GADRI S/O RAMGOPAL GADRI

Identification Marks:-

01. Cardio logical Assessment :-

Auscultation	S1	NM
	S2	NM
	Additional Sound	No murmur
Electrocardiographs (12 leads) findings		<input checked="" type="checkbox"/> Normal / <input type="checkbox"/> Abnormal

Enclosed ECG

02. Neurological Assessment :-

Findings	Normal / Abnormal
Superficial Reflexes	(+)
Deep Reflexes	(+)
Peripheral Circulation	(+)
Vibrational Syndromes	NM

03. ILO Classifications of Chest Radiograph:-

Profusion of Pneumoconiosis opacities	Grade	Types
Present / Absent		

Enclose Chest Radiograph

Continued:-



04. Audiometry Findings :-

Conduction Type	Left Ear	Right Ear
Ear Conduction	Normal / Abnormal	Normal / Abnormal
Bone Conduction	Normal / Abnormal	Normal / Abnormal

Enclosed Audiometry Report

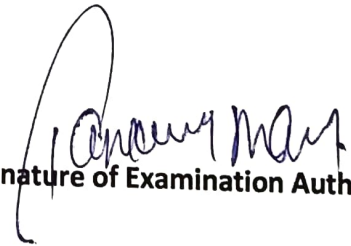
05. Pathological / Microbiological Investigations :-

Sr. No.	Tests	Findings
01.	Blood- Tlc,Dlc,Hb, ESR, Platelets	WNL / Abnormal
02.	Blood Sugar – Fasting & PP	WNL / Abnormal
03.	Lipid Profile	WNL / Abnormal
04.	Blood Urea , Creatinine	WNL / Abnormal
05.	Urine Routine	WNL / Abnormal
06.	Stool Routine	WNL / Abnormal

06. Special Test foe Mn Exposure :-

Behavioral Disturbances		Present / Not Present
Neurological Disturbance	Special Defect	Present / Not Present
	Tremor	Present / Not Present
	Adiadocokinesia	Present / Not Present
	Emotional Changes	Present / Not Present

Any other Test Required


Signature of Examination Authority

Regd. No.
Dr. PANKAJ MANI
MEDICAL SUPERINTENDENT
J.K.C.W. MANGROL (RAJ.)
REG. No. 29527