



# JK Cement LTD.

CIN : L17229UP1994PLC017199

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

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

MGR/PC-14/C11

Regd.AD.

Date: 26.11.2020

To,  
**The Director,**  
Indira Paryavaran Bhavan,  
JOR Bagh Road,  
Near JOR bagh Metro station  
New Delhi 110003

**Sub: Environmental Clearance Compliance report of Tilakhera Limestone Mine.**

Ref.: EC letter no. - J-11015/25/2011-IA.II (M) dated. 23<sup>rd</sup> January 2014

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 **April'2020 to September'2020**.

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.z.lko-mef@nic.in](mailto:roc.z.lko-mef@nic.in), [moef@nic.in](mailto:moef@nic.in), [m\\_env@rediffmail.com](mailto:m_env@rediffmail.com), [ccb.cpcb@nic.in](mailto:ccb.cpcb@nic.in), [member-secretary@rpcb.nic.in](mailto:member-secretary@rpcb.nic.in), [cpcb.bhopal@gmail.com](mailto:cpcb.bhopal@gmail.com) [monitoring-ec@nic.in](mailto:monitoring-ec@nic.in).

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

Yours Faithfully  
For J.K. Cement Works, Mangrol

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, Maharaja Surajmal Marg, Vishwas Nagar Extension, Viswas nagar Shahdara- Behind Karkarduma high court New Delhi-11032
- 3. 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





### Certification of Environment Clearance compliance

PROPONENT	J.K. CEMENT WORKS, MANGROL (RAJ.)	Period from April 2020 to September 2020
PROJECT	Expansion of Tilakhera Lime Stone Mine (M.L. No. 07/1997, Area 299.20 ha., Limestone 0.6 MMTPA to 1.6MMTPA, villages- Mangrol & Tilakhera, Tehsil-Nimbahera, District-Chittorgarh, Rajasthan.	
Environment Clearance issued from MOEF, New Delhi vide Letter No. J-11015/25/2011 – IA. II (M) dated 23.01.2014		

S. No.	Condition	Status
	<b>Specific Conditions</b>	
(i)	The mining activity will not commence unless the NOC from the Gram Panchayat for grazing land has been obtained.	Complying with.  Mining Lease was initially executed on 09.05.1978 and it was renewed (First renewal) from 09.05.1998. NOC from the Gram Panchayat will be obtained before the start of mining activities in that area. However, the acquiring is under process. Till date no grazing land was required for any mining activities. Copy enclosed as <b>Annexure –I.</b>
(ii)	The lands which are not owned by Proponent, mining will be carried out only after obtaining the consents from all the concerned land owners as per the provisions of the Mineral Concession Rules, 1960 and MMDR Act, 1957.	Complying with.  The Permission from the Rajasthan Government (Jamabandi) had been obtained to carry out mining as per the provisions of the Mineral Concession Rules, 1960 and MMDR Act, 1957. Please refer <b>Annexure-I.</b>
(iii)	Implementation of the Conservation Plan for Schedule I species reported in the Study area namely <i>Pavo cristatus</i> (Indian peafowl)	Complying with.  The Wildlife conservation plan has been prepared for six nos. of the following Schedule-I species found in the buffer area during the survey: - (a.) <i>Pavocristatus</i> (Indian Peafowl), (b.) <i>Pantherapadusfusca</i> (Indian Leopard), (c.) <i>Prionailurusrubiginosus</i> (Rusty-Spotted Cat), (d.) <i>Canis lupus pallipes</i> (Indian Wolf), (e.) <i>Varanusbengalensis</i> (Indian Monitor Lizard) & (f.) <i>Gyps indicus/Gyps bengalensis</i> (Indian Vulture)  The DFO, Chittorgarh has approved and forwarded conservation plan to the Chief Conservator of Forest (Wildlife), Udaipur who has further approved and forwarded the same Wildlife Conservation Plan to the Additional Principal Conservator of Forest vide letter no. f 5()forest conservation/ Principal conservator of Forest/ 2020-21/ 5002 dated 24.09.2020 for final approval. Copy is enclosed as <b>Annexure-II.</b>

(iv)	The proponent shall ensure implementation of Action Plan on the issues raised during the Public Hearing held on 20.12.2012. The proponent shall complete all the tasks as per the action plan submitted with the budgetary provisions during the public hearing.	<p>Complied with.</p> <p>Status of implementation of action plan on the issue raised during the Public hearing held on 20.12.2012 for Mangrol-Tilakhera Mine.</p> <table><tr><th>Sr.No.</th><th>Category</th><th>Nature of Work</th><th>Expenditure Rs. in Lakhs (from 2013-2019)</th></tr><tr><td>1.</td><td>Education facilities</td><td>Furniture for School, Construction of rooms &amp; boundary wall at school, water proofing, Adoption of schools , construction of building &amp; Anganwadi centre &amp; boundary wall -Completed</td><td>12.80</td></tr><tr><td>2.</td><td>Medical &amp; Health facilities</td><td>Construction of rooms for Hospitals, Medical camp for locals &amp; nearby villages- Completed</td><td>23.18</td></tr><tr><td>3.</td><td>Infrastructure – Road Construction</td><td>Construction of Concreate Cement (C.C.) road, Construction of slab/ gitti road - Completed</td><td>81.02</td></tr><tr><td colspan="3">Total</td><td>117.0</td></tr></table>	Sr.No.	Category	Nature of Work	Expenditure Rs. in Lakhs (from 2013-2019)	1.	Education facilities	Furniture for School, Construction of rooms & boundary wall at school, water proofing, Adoption of schools , construction of building & Anganwadi centre & boundary wall -Completed	12.80	2.	Medical & Health facilities	Construction of rooms for Hospitals, Medical camp for locals & nearby villages- Completed	23.18	3.	Infrastructure – Road Construction	Construction of Concreate Cement (C.C.) road, Construction of slab/ gitti road - Completed	81.02	Total			117.0
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(v)	The proponent shall ensure implementation of commitment made for Socio economic welfare measures and report shall be submitted to the Ministry of Environment & Forests and its Regional Office located at Lucknow on six monthly basis.	<p>Complying with.</p> <p>The social economic welfare activities are being implemented by J K Cement Works. The fund spent for the activities till present FY 2020-21 (upto sept. 2020) is Rs. 10, 26,510.30.</p> <table><tr><th>Sr. No.</th><th>Particulars</th><th>Amount (Rs.)</th></tr><tr><td>1</td><td>Water storage tanks, drinking water supply facility and irrigation support to agriculture</td><td>27,000.00</td></tr><tr><td>2</td><td>Promotion of Literacy and Education</td><td>209,530.00</td></tr><tr><td>3</td><td>Livelihood and Socio-Economic standard improvement support</td><td>530,166.00</td></tr><tr><td>4</td><td>Improvement of Road connectivity and Public transport and other infrastructure facilities</td><td>259,814.30</td></tr><tr><td colspan="2">Total</td><td>10,26,510.30</td></tr></table> <p>Details are enclosed as <b>Annexure-III</b>.</p> <p>Photographs of CSR is enclosed as <b>Annexure-VI</b></p> <p>EC Compliance Report has been submitted to the Ministry of Environment &amp; Forests and its Regional Office at Lucknow dated 30.05.2020.</p>	Sr. No.	Particulars	Amount (Rs.)	1	Water storage tanks, drinking water supply facility and irrigation support to agriculture	27,000.00	2	Promotion of Literacy and Education	209,530.00	3	Livelihood and Socio-Economic standard improvement support	530,166.00	4	Improvement of Road connectivity and Public transport and other infrastructure facilities	259,814.30	Total		10,26,510.30		
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(vi)	Sufficient number of Gullies should be provided for better management of water. Regular Monitoring of PH shall be included in the monitoring plan and report shall be submitted to the Ministry of Environment & Forests and its Regional Office located at Lucknow on six	<p>Complied with.</p> <p>The garland drain has been constructed in the east of the subgrade dump to channelize the rainwater. The photograph is enclosed as <b>Annexure-V</b>.</p> <div></div> <p>EC Compliance Report has been submitted to the Ministry of Environment &amp; Forests and its Regional Office at Lucknow dated 30.05.2020.</p>																				

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(vii)	Environment Clearance is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent authority, as may be applicable to this project.	There is no Wildlife Sanctuary, National Park, within 10Km periphery of the lease area. The same has been authenticated by Deputy Conservator of forest Chittorgarh vide letter no. AF (/)survey/UVS/2020-21/6048 dated 23.09.2020. Copy enclosed as <b>Annexure-VI</b> .																																				
(viii)	No mining activities will be allowed in forest area, if applicable, for which the Forest Clearance is not available.	There is no forest land involved in the lease area. The same has been authenticated by Deputy Conservator of forest Chittorgarh vide letter no. AF (/)survey/UVS/2020-21/6048 dated 23.09.2020. Please refer <b>Annexure-VI</b>																																				
(ix)	The project proponent shall obtain Consent to Operate from the State Pollution Control Board, Rajasthan and effectively implement all the conditions stipulated therein.	Complied with. The Consent to Operate and its renewal has been obtained time to time as per the procedure from Rajasthan State Pollution Control Board and all the conditions laid down in Consent to Operate has been implemented. The latest Consent to Operate has been obtained under Air & Water act for upgraded production capacity-Limestone- 1.6 MMTPA vide letter no. F(Mines)/Chittorgarh(Nimbahera)/1868(1)/2017-2018/2126-2130 dated 26.06.2017 valid till 31/05/2022. Copy enclosed as <b>Annexure - VII</b> .																																				
(x)	The mining operations shall be restricted to above groundwater table and it shall not be intersect groundwater table. For working below groundwater table, prior approval of the Ministry of Environment and Forests and Central Ground Water Authority shall be obtained, for which a detailed hydro-geological study shall be carried out.	<div>Complying with. The detail of the elevation, ground water table and working level is given below:-<table><tr><th>S. No.</th><th>Particulars</th><th>Levels (MSL)</th><th>BGL (m)</th></tr><tr><td>1.</td><td>Highest Elevation</td><td>438</td><td>--</td></tr><tr><td>2.</td><td>Lowest Elevation</td><td>427</td><td>--</td></tr><tr><td>3.</td><td>General Ground Level</td><td>430</td><td>--</td></tr><tr><td>4.</td><td>Water Table (Pre-Monsoon)</td><td>367</td><td>60</td></tr><tr><td>5.</td><td>Water Table (Post-Monsoon)</td><td>387</td><td>40</td></tr><tr><td>6.</td><td>Ultimate Pit Limit</td><td>374</td><td>56</td></tr><tr><td>7.</td><td>Present working depth pit 1</td><td>390.7</td><td>39.3</td></tr><tr><td>8.</td><td>Present working depth pit 2</td><td>401.9</td><td>28.1</td></tr></table><div>Source: - As per approved Modified Mining Plan with PMCP dated 03.01.2019.</div></div> <div>Water table will not intersect during the conceptual phase/ life of mine. However, permission from CGWA for dewatering the mine seepage on account</div>	S. No.	Particulars	Levels (MSL)	BGL (m)	1.	Highest Elevation	438	--	2.	Lowest Elevation	427	--	3.	General Ground Level	430	--	4.	Water Table (Pre-Monsoon)	367	60	5.	Water Table (Post-Monsoon)	387	40	6.	Ultimate Pit Limit	374	56	7.	Present working depth pit 1	390.7	39.3	8.	Present working depth pit 2	401.9	28.1
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		of mining intersecting the water table has been obtained from the Office of Central Ground Water Authority, Ministry of Water Resources, River Development & Ganga Rejuvenation 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. Copy enclosed as <b>Annexure- VIII</b> .																													
(xi)	Dimension of the retaining wall at the toe of overburden dumps and OB benches within the mine to check run-off and siltation shall be based on the rainfall data.	<p>Complied with.</p> <p>Constructed catch drains and siltation ponds at the following locations:</p> <p>To collect run off water from subgrade dump and waste dump, garland drain and siltation pit has been constructed. Details are given below: -</p> <table border="1"><tr><td>Garland Drain</td><td>Dimensions</td></tr><tr><td>East of Subgrade and waste dump</td><td>Length – 915 m Width – 1.0 m Depth -- 1.0 m</td></tr></table> <p>Total available rainwater in single day (considering maximum 50 mm rainfall)</p> <p>1. Subgrade dump &amp; waste dump (area) X rainfall (m)X Runoff coefficient (20%)</p> <p>218030 M2 X 0.05 M X 0.20 = 2180.3 M3 and considering 50% safety margin then total capacity of siltation pond should be 4360.6 m3.</p> <p>Total rain water collection capacity of siltation pit requires = 4360.6 m3</p> <p>Constructed three siltation pit with dimension as given below: -</p> <table border="1"><tr><th>Sr. No.</th><th>Length (M)</th><th>Width (M)</th><th>Depth (M)</th><th>Capacity M3)</th></tr><tr><td>1</td><td>19</td><td>18</td><td>3</td><td>1026</td></tr><tr><td>2.</td><td>22</td><td>20</td><td>3</td><td>1320</td></tr><tr><td>3.</td><td>27</td><td>25</td><td>3</td><td>2025</td></tr><tr><td colspan="4">Total</td><td>4371</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. Photographs of siltation pond &amp; garland drain are enclosed as <b>Annexure- IX</b>.</p> <div></div>	Garland Drain	Dimensions	East of Subgrade and waste dump	Length – 915 m Width – 1.0 m Depth -- 1.0 m	Sr. No.	Length (M)	Width (M)	Depth (M)	Capacity M3)	1	19	18	3	1026	2.	22	20	3	1320	3.	27	25	3	2025	Total				4371
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(xii)	<p>Blasting operation shall be carried out only during the daytime. Controlled blasting shall be practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented. Drills shall either be operated with dust extractors or equipped with water injection system. Advanced technologies for environmental protection to be used for controlled blasting.</p>	<p>Complying with.</p> <p>Blasting operation is being carried out in day time only. Use of Sequential blasting machine (SBM), Delay detonator, Non-Electric detonator for blasting and to mitigate vibration. Vibration study has been conducted and enclosed as <b>Annexure -X</b>.</p> <p>Water injection system on Wagon drill has been provided which suppresses dust at its source of generation. Photograph of the same is enclosed as <b>Annexure -XI</b>.</p> <div data-bbox="762 504 1345 943" data-label="Image"> </div>
(xiii)	<p>Water sprinkling should be increased at places loading and unloading points &amp; transfer point to reduce fugitive emissions.</p>	<p>Complied with.</p> <p>Regular water spraying arrangement on haul roads and on blast material before loading is practices to control of fugitive emission. Photographs are enclosed as <b>Annexure -XII</b>.</p> <div data-bbox="564 1323 1037 1610" data-label="Image"> </div> <div data-bbox="1056 1323 1506 1610" data-label="Image"> </div>
(xiv)	<p>The project proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of surface water and groundwater for the project.</p>	<p>Complied with.</p> <p>NOC has been obtained from the Office of Central Ground Water Authority, Ministry of Water Resources, River Development &amp; Ganga Rejuvenation 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. Please refer <b>Annexure- VIII</b>.</p>
(xv)	<p>Vehicular emissions shall</p>	<p>Complying with.</p>

	<p>be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The mineral transportation shall be carried out through covered dumpers and further leading to the plant through covered conveyor belt. The vehicles carrying the mineral shall not be overloaded.</p>	<p>Tippers engaged in the mines are periodically checked once in six months, vehicular emissions are kept under permissible limits. The tippers are not loaded above the rated capacity. Copy of PUC is enclosed as <b>Annexure XIII</b>.</p>
(xvi)	<p>Fugitive dust emissions from all the sources shall be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.</p>	<p>Complied with.</p> <p>Regular water spraying arrangement on haul roads and on blast material before loading is practices to control of fugitive emission. Please refer Annexure <b>-XII</b>.</p>
(xvii)	<p>Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn</p>	<p>Complying with.</p> <p>Regular initial medical examination and periodical medical examination is being carried out.</p>

	and followed accordingly. Occupational health and safety measures for workers who are having some ailments like BP, diabetes or are habitual smokers, should have health checkup once in six months.	
(xviii)	Environmental clearance is granted subject to final outcome of Hon"ble High Court of Rajasthan and any other Court of Law, as maybe applicable to this project.	Noted and will be complied.
	<b>(B)GENERAL CONDITIONS</b>	
(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 Modified Mining Plan.
(ii)	No change in the calendar plan including excavation, quantum of limestone mineral and waste should be made.	Complying with. Mining is being done in accordance with Approved Modified Mining Plan.
(iii)	A Final Mine Closure Plan along with details of Corpus Fund shall be submitted to the Ministry of Environment & Forests 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.
(iv)	There shall be planning,	Complied with.





	developing and implementing facility of rainwater harvesting measures on long term basis in consultation with Regional Director, Central Groundwater Board and implementation of conservation measures to augment groundwater resources in the area in consultation with Central Ground Water Board.	<p>To augment the water resources, rain water harvesting is done through mine pit water stored in lower most benches and one recharge well. The photograph of rain water harvesting is enclosed as <b>Annexure-XIV</b>.</p> <div></div>																																																																																		
(v)	Regular monitoring of groundwater table to be carried out at the upstream and depth of water available in the dug well is to be measured. Monitoring to be done by establishing a network of existing wells and constructing new peizometers.	<p>Complied with.</p> <ul style="list-style-type: none"><li>➤ Ground water monitoring has been carried out by third party M/s Mitra S.K. Private Limited which is NABL accredited Laboratory.</li><li>➤ Ground water level and quality report is being submitted regularly to MOEF, Central Ground Water Authority and Regional Director Central Ground Water Board.</li></ul> <table border="1"><thead><tr><th>Season</th><th>Date of Monitoring</th><th>Annexure-</th></tr></thead><tbody><tr><td>Pre- Monsoon (April-May)</td><td>28.05.2020</td><td rowspan="4"><b>XV</b></td></tr><tr><td>Monsoon ( August)</td><td>02.08.2020</td></tr><tr><td>Post Monsoon (November)</td><td>14.11.2019</td></tr><tr><td>Winter ( January)</td><td>15.01.2020</td></tr></tbody></table> <ul style="list-style-type: none"><li>➤ The details of ground water level (m) during different seasons is given below:</li></ul> <table border="1"><thead><tr><th>S. No</th><th>Location of Piezometer</th><th>Pre-monsoon (28.05.2020)</th><th>Monsoon (02.08.2020)</th><th>Post Monsoon (14.11.2019)</th><th>Winter (15.01.2020)</th></tr></thead><tbody><tr><td>1.</td><td>South of pit no.1</td><td>-</td><td>24</td><td>10.20</td><td>16.45</td></tr><tr><td>2.</td><td>Northwest of Pit no.1</td><td>39.54</td><td>20.40</td><td>12.40</td><td>19.80</td></tr><tr><td>3.</td><td>South of pit no.1</td><td>35.38</td><td>37.29</td><td>13.31</td><td>24.12</td></tr><tr><td>4.</td><td>West of Pit no. 1</td><td>40.73</td><td>23.30</td><td>12.10</td><td>21.10</td></tr></tbody></table> <ul style="list-style-type: none"><li>➤ Ground water monitoring report are as below</li></ul> <table border="1"><thead><tr><th rowspan="2">S. No.</th><th rowspan="2">Parameter</th><th colspan="4">Results</th></tr><tr><th>Pre-monsoon (28.05.2020)</th><th>Monsoon (11.08.2020)</th><th>Post Monsoon (06.11.2019)</th><th>Winter (10.01.2020)</th></tr></thead><tbody><tr><td>1</td><td>pH at 28 °C</td><td>7.36</td><td>7.63</td><td>7.54</td><td>7.2</td></tr><tr><td>2</td><td>Conductivity at 25° in umhos/cm</td><td>772</td><td>817</td><td>826</td><td>962</td></tr><tr><td>3</td><td>Colour in Hazen</td><td>Clear</td><td>&lt;1.0</td><td>&lt;1.0</td><td>&lt;1.0</td></tr><tr><td>4</td><td>Turbidity in N.T.U.</td><td>0.70</td><td>&lt;1.0</td><td>&lt;1.0</td><td>1.4</td></tr><tr><td>5</td><td>Total Dissolved Solid in mg/l</td><td>463</td><td>500</td><td>532</td><td>539</td></tr></tbody></table>	Season	Date of Monitoring	Annexure-	Pre- Monsoon (April-May)	28.05.2020	<b>XV</b>	Monsoon ( August)	02.08.2020	Post Monsoon (November)	14.11.2019	Winter ( January)	15.01.2020	S. No	Location of Piezometer	Pre-monsoon (28.05.2020)	Monsoon (02.08.2020)	Post Monsoon (14.11.2019)	Winter (15.01.2020)	1.	South of pit no.1	-	24	10.20	16.45	2.	Northwest of Pit no.1	39.54	20.40	12.40	19.80	3.	South of pit no.1	35.38	37.29	13.31	24.12	4.	West of Pit no. 1	40.73	23.30	12.10	21.10	S. No.	Parameter	Results				Pre-monsoon (28.05.2020)	Monsoon (11.08.2020)	Post Monsoon (06.11.2019)	Winter (10.01.2020)	1	pH at 28 °C	7.36	7.63	7.54	7.2	2	Conductivity at 25° in umhos/cm	772	817	826	962	3	Colour in Hazen	Clear	<1.0	<1.0	<1.0	4	Turbidity in N.T.U.	0.70	<1.0	<1.0	1.4	5	Total Dissolved Solid in mg/l	463	500	532	539
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1.	South of pit no.1	-	24	10.20	16.45																																																																															
2.	Northwest of Pit no.1	39.54	20.40	12.40	19.80																																																																															
3.	South of pit no.1	35.38	37.29	13.31	24.12																																																																															
4.	West of Pit no. 1	40.73	23.30	12.10	21.10																																																																															
S. No.	Parameter	Results																																																																																		
		Pre-monsoon (28.05.2020)	Monsoon (11.08.2020)	Post Monsoon (06.11.2019)	Winter (10.01.2020)																																																																															
1	pH at 28 °C	7.36	7.63	7.54	7.2																																																																															
2	Conductivity at 25° in umhos/cm	772	817	826	962																																																																															
3	Colour in Hazen	Clear	<1.0	<1.0	<1.0																																																																															
4	Turbidity in N.T.U.	0.70	<1.0	<1.0	1.4																																																																															
5	Total Dissolved Solid in mg/l	463	500	532	539																																																																															

		<table><tr><td>6</td><td>Total Suspended Solid in mg/l</td><td>43</td><td>&lt;2.5</td><td>&lt;2.5</td><td>&lt;2.5</td></tr><tr><td>7</td><td>Total Hardness as CaCO3 in mg/l</td><td>264</td><td>298</td><td>428</td><td>440</td></tr><tr><td>8</td><td>Calcium as Ca in mg/l</td><td>240</td><td>97</td><td>142</td><td>150</td></tr><tr><td>9</td><td>Magnesium as Mg in mg/l</td><td>24</td><td>13</td><td>18</td><td>15.4</td></tr><tr><td>10</td><td>Total alkalinity as CaCO3 in mg/l</td><td>212</td><td>264</td><td>335</td><td>283</td></tr><tr><td>11</td><td>Chloride as Cl in mg/l</td><td>78</td><td>54</td><td>37</td><td>66</td></tr><tr><td>12</td><td>Oil &amp; Grease in mg/l</td><td>&lt;1.4</td><td>&lt;1.4</td><td>&lt;3.0</td><td>&lt;3.0</td></tr><tr><td>13</td><td>Fluoride as F in mg/l</td><td>0.47</td><td>0.37</td><td>0.47</td><td>0.48</td></tr><tr><td>14</td><td>Iron as Fe in mg/l</td><td>&lt;0.05</td><td>&lt;0.05</td><td>&lt;0.05</td><td>&lt;0.05</td></tr></table>	6	Total Suspended Solid in mg/l	43	<2.5	<2.5	<2.5	7	Total Hardness as CaCO3 in mg/l	264	298	428	440	8	Calcium as Ca in mg/l	240	97	142	150	9	Magnesium as Mg in mg/l	24	13	18	15.4	10	Total alkalinity as CaCO3 in mg/l	212	264	335	283	11	Chloride as Cl in mg/l	78	54	37	66	12	Oil & Grease in mg/l	<1.4	<1.4	<3.0	<3.0	13	Fluoride as F in mg/l	0.47	0.37	0.47	0.48	14	Iron as Fe in mg/l	<0.05	<0.05	<0.05	<0.05
6	Total Suspended Solid in mg/l	43	<2.5	<2.5	<2.5																																																			
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14	Iron as Fe in mg/l	<0.05	<0.05	<0.05	<0.05																																																			
(vi)	The project proponent shall ensure that no natural water course and/or water resources shall be obstructed due to any mining operations.	Complying with. No natural water course/ water resources are obstructed due to any mining operation.																																																						
(vii)	The top soil, if any, shall temporarily be stored at earmarked site(s) only and it should not be kept unutilized for long. The topsoil shall be used for land reclamation and plantation. The overburden (OB) generated during the mining operations shall be stacked at earmarked dump site(s) only and it should not be kept active for a long period of time. The maximum height of the dumps shall not exceed 8m and width 20m and overall slope of the dumps shall be maintained to 45°. The OB dumps should be	<div>Complied with. The top soil is being used for the plantation purpose.</div> <table><tr><th>No of Overburden Dump and total quantity generated at present (30.09.2020)</th><th>No of sub grade stack mineral total quantity generated at present (30.09.2020)</th><th>Height and overall slope</th></tr><tr><td>No. – 02 Quantity : 61,516.00 Tons</td><td>No.- 02 Quantity : 7,83,332.00 Tons</td><td>45 degree OB Dump – 3.7-5.98m. Sub garde Stack – 11.47-13.40m.</td></tr></table> <div>The excavated area will be used as water storage in 52.879 Ha. No backfilling is proposed. Presently OB dumps are active, vegetation and geo textile will be done after the dump are inactive or dead.  EC Compliance Report incorporated water monitoring report has been submitted to the Ministry of Environment &amp; Forests and its Regional Office at Lucknow dated 30.05.2020.</div>	No of Overburden Dump and total quantity generated at present (30.09.2020)	No of sub grade stack mineral total quantity generated at present (30.09.2020)	Height and overall slope	No. – 02 Quantity : 61,516.00 Tons	No.- 02 Quantity : 7,83,332.00 Tons	45 degree OB Dump – 3.7-5.98m. Sub garde Stack – 11.47-13.40m.																																																
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	scientifically vegetated with suitable native species to prevent erosion and surface runoff. In critical areas, use of geo textiles shall be undertaken for stabilization of the dump. The entire excavated area shall be backfilled and afforested. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment & Forests and its Regional Office located at Lucknow on six monthly basis.															
(viii)	Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, mineral and OB dumps to prevent run off of water and flow of sediments directly into the river and other water bodies. The water so collected should be utilized for watering the mine area, roads, greenbelt development etc. The drains shall be regularly desilted	<p>Complied with.</p> <p>Catch drains/ Garland drain to collect water and siltation ponds are in place details are as follows:</p> <table><tr><th>Location</th><th>Drain size</th></tr><tr><td>Garland drain (east of Sub grade stack and waste dump)</td><td>38.539 Ha</td></tr></table> <p>Total available rainwater in single day (considering 100 mm rainfall)</p> <p>1. Subgrade dump &amp; waste dump (area) X rainfall (m)X Runoff coefficient (04%)</p> <p>218030 M2 X 0.10 M X .04 = 872.12 M3 and considering 50% safety margin then total capacity of siltation pond should be 1744.24 m3.</p> <p>Total rain water collection capacity of siltation pit requires = 1744.24 m3</p> <p>Constructed three siltation pit with dimension as given below: -</p> <table><tr><th>Sr. No.</th><th>Length (M)</th><th>Width (M)</th><th>Depth (M)</th><th>Capacity M3)</th></tr><tr><td>1</td><td>18</td><td>17</td><td>3</td><td>918</td></tr></table>	Location	Drain size	Garland drain (east of Sub grade stack and waste dump)	38.539 Ha	Sr. No.	Length (M)	Width (M)	Depth (M)	Capacity M3)	1	18	17	3	918
Location	Drain size															
Garland drain (east of Sub grade stack and waste dump)	38.539 Ha															
Sr. No.	Length (M)	Width (M)	Depth (M)	Capacity M3)												
1	18	17	3	918												

	<p>particularly after monsoon and maintained properly. The drains, settling tanks and check dams of appropriate size, gradient and length shall be constructed both around the mine pit and overburden dumps to prevent runoff of water and flow of sediments directly into the river and other water bodies and sump capacity should be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) 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. Sedimentation pits shall be constructed at the corners of the garland drains and desilted at regular intervals.</p>	2.	17	17	3	867
		Total				1785
		<p>The storm water is being collected to garland drain has been constructed around east and south side of sub grade dump from the periphery of the pit area and the waste dump area routed to siltation pond. The collected water is being used for plantation and water sprinkling on haul road. For photographs of Garland Drain &amp; siltation pond please refer <b>Annexure-IX</b>.</p>				
(ix)	<p>Plantation shall be raise in a 7.5m wide greenbelt in the safety zone around the mining lease, backfilled and reclaimed area, around water body,</p>	<p>Complying with.</p> <ul style="list-style-type: none"> <li>• Total ML area is 299.20 ha.</li> <li>• Present used area of ML is 45.63 ha.</li> <li>• Required plantation in 33% of used ML area is 15.0579 ha.</li> <li>• Plantation done in an area of 21.31 ha (includes 16.31 ha within lease area and 5.00 ha outside the lease area) till 30.09.2020 and 0.23 Ha in 7.5 m wide safety zone around the mining lease with 97977 numbers of plantation.</li> <li>• Total 7.5 m safety zone area is 1.95 ha, out of which 0.23 ha area has been</li> </ul>				

	<p>along the roads, etc. by planting the native species in consultation with the local DFO/Agriculture Department. The density of the trees should be around 2500 plants per ha. Greenbelt shall be developed all along the mine lease area in a phased manner and shall be completed within first five years.</p>	<p>planted and remaining 1.72 a will be completed by 30<sup>th</sup> Sept 2021.</p> <ul style="list-style-type: none"> <li>There is no reclaimed area and no waste dump within the mining lease suitable for plantation. Plantation density is 4597 numbers/ ha against the condition of 2500 saplings /ha.</li> <li>Geotag photographs are enclosed <b>Annexure –XVI</b>.</li> </ul> <div style="display: flex; justify-content: space-around;">   </div>
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#### Details on Plantation

##### Plantation done within the lease hold area:

Year	Proposed Plantation	Proposed area	Total no. of Plants Planted	Ornamental plants planted		Fruit plants planted		Area covered under plantation (ha)	Survival rate %
				Species	Nos.	Species	Nos.		
Up to the end of 1992			563	Karanj, Shesham, Amaltas, Neem, Gulmohar, Kachnar, Bouganvalia	563	Mango Anwla	0	4.31	Average Survival 32 %
1992-93			460	Ashok, Casia, , Kaner,	425	Grafted Ber	35		
1993-94			1014	Harshiya, Palm, Ashok, Kaner, Keshiya, Arjun	860	Guava	154		
1994-95			894	Bans, Asafal, Kalacharas, Pipal, Bargat, Har Shringar Kaner (yellow), Kaner (red), Gudhal	763	Sitafal	131		
1995-96			4139		3885	Jamun	254		
1996-97			946		675	Gunda	271		
1997-98			4000		4000	Kikar	0		
1998-99			3000		2607		393		
1999-00			700		550		150		
2000-01			2000		1622		378		

2001-02			337		260		77		
2002-03			1570		1180		390		60
2003-04			939		689		250	0.450	60
2004-05			915		805		110	0.150	60
2005-06	700		1211		1079		132	0.500	65
2006-07	700		951		686		265	0.270	60
2007-08	700		852		601		251	0.260	65
2008-09	700		1230		1010		220	0.750	60
2009-10	700		956		845		111	0.500	60
2010-11	700		1550		1550		-	1.095	65
2011-12	700		1650		1650		-	1.100	60
2012-13	700		1200		1100		100	0.500	60
2013-14	700		1250		1000		250	1.000	60
2014-15	700		1175	Neem, Karanj, Kachnar, Kaner, Shesham, Bouganvalia and flowering plants	1125	Anwala	50	0.500	70
2015-16	500		1400	Neem, Shesham, Karanj, Kaner (red), Kaner (yellow), Kachnar, Bouganvalia	1400	--	0	0.500	70
2016-17	500		1563	Neem, Karanj, Bouganvalia, Kaner, Kesia, Gulmohar, Agjora	1543	Mango	20	0.570	70
2017-18	500		2030	Neem, Karanj, Casia, Bouganvalia, Gulmohar, Champa, Kaner, Shesham	1850	Mango, Ber, Guava, Lemon	180	0.700	70
2018-19	1500	1.5	1890	Neem, Karanj, Shisham, Amaltas, Cassia, Gulmohar, Kaner pink, Kaner red, Gudhal, Anwala, Champa, Bouganinvelia, Peepal, Alostinia, Bargad, Chandani, Ashok pendula	1790	Mango, Guvava	100	0.95	70
2019-20	1500	1.5	2000	Neem, Karanj, Shisam, Amaltas, Kassia, Gulmohar, Kaner pink, Bougainvella (torch glory, red, orange, white) Bargad, Peepal, Gudahal,	1770	Amrood, Anwala, Mango, Lemon	230	1.10	80



2020-21 upto sept.	2000	2	2000					1.10	80
<b>Total</b>	<b>13500</b>		<b>44385</b>		<b>37883</b>		<b>4502</b>	<b>16.31</b>	<b>49.81%</b>

**B**      **Plantation done outside the Mangrol – Tilakhera leasehold area**

Year	Total no. of Plants Planted	Ornamental plants planted		Fruit plants planted		Survival rate %	Total Area covered in Hects.
		Species	Nos.	Species	Nos.		
2004-05	10270	Neem,	9600	Anwala	670	50%	5
2005-06	13000		13000		-	55%	
2006-07	2500	Shesham, Alstonia, Kachnar, Kaner (yellow), Kaner (red), Amaltas, Gudhal, Bouganvalia, Palm, Karanj, Bottle Bush, Gulmohar, Ashok	2500	Amrood (Guava)	-	55%	
2007-08	2500		2500	Mango	-	55%	
2008-09	3000		3000		-	60%	
2009-10	3500		3500		-	60%	
2010-11	3000		3000		-	60%	
2011-12	8000		8000		-	60%	
2012-13	7782		7436		346	60%	
2013-14	0		0	0	0	0	0
2014-15	0		0	0	0	0	0
2015-16	0		0	0	0	0	0
2016-17	0		0	0	0	0	0
2017-18	0		0	0	0	0	0
2018-19	40	Alostinia & Shisam	40			60	0
2019-20	0		0	0	0	0	0
2020-21 upto sept.	0		0	0	0	0	0
<b>Total</b>	<b>53592</b>		<b>52576</b>		<b>1016</b>	<b>60.84%</b>	<b>5</b>

(x)	Regular monitoring of the flow rate of the springs and perennial nallahs flowing in and around the mine lease shall be carried out and records maintain.	There is no seasonal nala falls within mines area.
(xi)	Regular monitoring of water quality upstream and downstream of water bodies shall be carried out and record of monitoring data should be maintained and submitted to the Ministry of Environment and Forests, its Regional Office, Lucknow, Central Groundwater Authority, Regional Director, Central Groundwater Board, State Pollution Control Board and Central Pollution Control Board.	There is no water bodies within the lease area, however regular monitoring of ground and surface water quality has been done and copy of the same is enclosed as <b>Annexure-XV</b> .

(xii)	Regular monitoring of ground water level and quality shall be carried out in and around the mine lease by establishing a network of existing wells and constructing new peizometers during the mining operation. The monitoring shall 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 maybe sent regularly to Ministry of Environment and Forests, and its Regional Office, Lucknow, Central Ground Water Authority and Regional Director,, Central Ground Water Board.	<p>Complied with.</p> <ul style="list-style-type: none"> <li>➤ Ground water monitoring has been carried out by third party M/s Mitra S.K. Private Limited which is NABL accredited Laboratory.</li> <li>➤ Ground water level and quality report is being submitted regularly to MOEF, Central Ground Water Authority and Regional Director Central Ground Water Board. For report please refer <b>Annexure-XV</b></li> </ul>
(xiii)	The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna namely leopard, elephant, etc. spotted in the study area. Action plan for conservation of flora and fauna shall be prepared and implemented in consultation with the State Forest and Wildlife Department. Necessary allocation of funds for implementation of the conservation plan shall be made and the funds so allocated shall be included in the project cost. All the safeguard measures brought out in the Wildlife Conservation Plan so prepared specific to the project site shall be effectively implemented. A copy of action plan shall be submitted to the Ministry of Environment and Forests and its Regional Office, Lucknow.	<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> <ul style="list-style-type: none"> <li>(a.) <i>Pavocristatus</i> (Indian Peafowl),</li> <li>(b.) <i>Pantherapadusfusca</i> (Indian Leopard),</li> <li>(c.) <i>Prionailurusrubiginosus</i> (Rusty-Spotted Cat),</li> <li>(d.) <i>Canis lupus pallipes</i> (Indian Wolf),</li> <li>(e.) <i>Varanusbengalensis</i> (Indian Monitor Lizard) &amp;</li> <li>(f.) <i>Gyps indicus/Gyps bengalensis</i> (Indian Vulture)</li> </ul> <p>The DFO, Chittorgarh has approved and forwarded conservation plan to the Chief Conservator of Forest (Wildlife), Udaipur who has further approved and forwarded the same Wildlife Conservation Plan to the Additional Principal Conservator of Forest vide letter no. f 5(f)forest conservation/ Principal conservator of Forest/ 2020-21/ 5002 dated 24.09.2020 for final approval. Copy is enclosed as <b>Annexure-XVII.</b></p>
(xiv)	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche, etc. The housing maybe in the form of temporary structures to be removed after the completion of the project.	No construction labourers are engaged in Mine.
(xv)	Monitoring of Ambient Air Quality shall be carried	<p>Complied with.</p> <p>Ambient air monitoring is being carried out regularly</p>

	out based on the Notification, as amended from time to time by the Central Pollution Control Board.	as per notification. Rajasthan State Pollution Control Board has carried out Ambient air quality and Noise monitoring on dated 22.01.2020 and by M/s Mitra S.K. Pvt. Ltd. which is NABL accredited Laboratory on 10.09.2020 are enclosed as <b>Annexure-XVIII</b> .																																																	
(xvi)	<p>The critical parameters such as SPM, RSPM, (Particulate matter with size less than 10 micron i.e., PM<sub>10</sub>), NO<sub>x</sub> in the ambient air within the impact zone, peak particle velocity at 300m distance or within the nearest habitation, whichever is closer shall be monitored periodically,. Further quality of discharged water shall also be monitored [(TDS, DO, PH and Total Suspended Solids (TSS)]. The monitored data shall be uploaded on the website of the company as well as displayed on a display board at the project site at a suitable location near the main gate of the Company in public domain. The circular No. . J-20012/1/2006-IA.II (M) dated 27.05.2009 issued by Ministry of Environment and Forests, which is available on the website of the Ministry <a href="http://www.envfor.nic.in">www.envfor.nic.in</a> shall also be referred in this regard for its compliance.</p>	<p>Complying with.</p> <p>These critical parameters are measured periodically and Rajasthan State Pollution Control Board has been carried out Ambient air quality and Noise monitoring on dated 22.01.2020 and latest Ambient air monitoring carried out by Mitra S.K. Pvt. Ltd. which is NABL accredited Laboratory dated 10.09.2020 is enclosed as <b>Annexure-XVIII</b>.</p> <table><tr><th>Date</th><th>AAQ monitoring Location</th><th>PM 10</th><th>PM2.5</th><th>SO2</th><th>NOx</th><th>CO</th></tr><tr><td>10.09.2020 &amp; 11.09.2020 (By M/s Mitra S.K. Pvt. Ltd)</td><td>Near Mine Office</td><td>56</td><td>32</td><td>10.7</td><td>25.6</td><td>0.49</td></tr><tr><td></td><td>Near Ravana Office</td><td>55</td><td>45</td><td>11.4</td><td>29.1</td><td>0.52</td></tr><tr><td></td><td>Arnia Joshi Village</td><td>68</td><td>48</td><td>11.9</td><td>26.9</td><td>0.41</td></tr><tr><td></td><td>Shahbad Village</td><td>62</td><td>41</td><td>14.1</td><td>22.9</td><td>0.42</td></tr><tr><td></td><td>Tie village</td><td>48</td><td>22</td><td>9.7</td><td>23.2</td><td>0.35</td></tr><tr><td></td><td>Mangrol Village</td><td>58</td><td>27</td><td>8.6</td><td>28.2</td><td>0.56</td></tr></table> <p>No waste water is generating during mining operation.</p> <p>Mines key parameter (monitored data) are being uploaded at company website on every quarter and display as per said notification, which can be seen at <a href="http://www.jkcement.com/environmental-compliance">www.jkcement.com/environmental-compliance</a>.</p>	Date	AAQ monitoring Location	PM 10	PM2.5	SO2	NOx	CO	10.09.2020 & 11.09.2020 (By M/s Mitra S.K. Pvt. Ltd)	Near Mine Office	56	32	10.7	25.6	0.49		Near Ravana Office	55	45	11.4	29.1	0.52		Arnia Joshi Village	68	48	11.9	26.9	0.41		Shahbad Village	62	41	14.1	22.9	0.42		Tie village	48	22	9.7	23.2	0.35		Mangrol Village	58	27	8.6	28.2	0.56
Date	AAQ monitoring Location	PM 10	PM2.5	SO2	NOx	CO																																													
10.09.2020 & 11.09.2020 (By M/s Mitra S.K. Pvt. Ltd)	Near Mine Office	56	32	10.7	25.6	0.49																																													
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	Tie village	48	22	9.7	23.2	0.35																																													
	Mangrol Village	58	27	8.6	28.2	0.56																																													
(xvii)	Measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs / muffs.	<p>Complied with.</p> <p>Regular maintenance (including cabin) of HEMM being done to keep noise level within the specified limits.</p> <p>Ear plugs have been provided to Workers engaged in operation of HEMM etc.</p>																																																	
(xviii)	Industrial waste water (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 19 <sup>th</sup> May, 1993 and 31 <sup>st</sup>	There is no industrial waste water is generated in the Mine.																																																	

	December, 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of workshop effluents.	
(xix.)	Personal working in dusty areas should wear protective respiratory devices and they should also be provided and adequate training and information on safety and health aspects.	Complied with. Dust mask has been provided to persons engaged in drilling, dozing and loading. VT is being provided as required under MVT rules 1966. Regular periodic check-up of workers is being carried out.
(xx.)	Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed. Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose , schedule of health examination of the workers should be drawn and followed accordingly.	Complied with. Regular periodic check-up of workers is being carried out.
(xxi.)	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 Organization.	Complied with. A separate environmental management cell with qualified personnel is already established & has sufficient monitoring equipment in environmental laboratory. The hierarchy structure of environmental cell is enclosed as <b>Annexure–XIX</b> .
(xxii)	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 Ministry and its regional Office located at Lucknow.	A separate fund is kept for environment protection measures and report is being sent regularly to the concerned authority. Environment budget 2020-21 is Rs. 99.612 Lacs and expenditure 2019-20 incurred Rs. 39,87,960/-. The budget bifurcation is enclosed as <b>Annexure – XX</b> .
(xxiii)	The project authorities should inform to the Regional Office located at Lucknow regarding date of financial closure and final approval of the project by the concerned authorities and the date of start of land development work.	Complied.
(xxiv)	The Regional Office of this Ministry located at	Noted & full cooperation is /will be extended to the

	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 the requisite data / information / monitoring reports.	officer (s) of the Regional Office by furnishing the requisite data/information/monitoring reports will be given.
(xxv)	The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguard to the Ministry of Environment and Forests, its Regional Office ,Lucknow , Central Pollution Control Board.	Complying with. Six monthly reports are being submitted to all concern offices as given in clearance letter. Latest Six Monthly Monitoring report sent to RO & HO, MoEF&CC Lucknow, dated 30.05.2020.
(xxvi)	A copy of clearance letter will be marked to concerned Panchayat / local NGO , if any, from whom suggestion / representation has been received while processing the proposal.	Complied.
(xxvii)	State Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industry Centre and Collector's office/ Tehsildar's Office for 30 days.	Complied.
(xxviii)	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 also at web site of the Ministry of Environment and Forest at <a href="http://envfor.nic.in">http:// envfor.nic.in</a> and a copy of the same should be forwarded to the Regional Office of this Ministry located Lucknow.	Implemented & the necessary information already sent to the concerned authority.



## जमाबन्दी (खेवट/खतोनी) (प्रतिलिपि)

प्रपत्र पी-28(बी)  
(देखिये नियम 153 ए)  
पृष्ठ संख्या :- 1 of 2

ग्राम का नाम :- मांगरोल  
पटवार हल्का :- मांगरोल  
भू.वभि.वि.क्षेत्र :- मांगरोल  
तहसील :- निम्बाहेडा  
जिला :- चित्तौड़गढ़  
काश्तकार का नाम :-

सम्बत :- 2072 - 2075  
भूमि धारक का नाम :- राज.सरकार  
क्षेत्रफल की ईकाई :- हैक्टेयर  
खाता संख्या नया :- 935  
खाता संख्या पुराना :- 547  
श्री मेसर्स जे.के.सीमेन्ट वर्क्स निम्बाहेडा,  
माईनिंग लीज

खसरा संख्या	क्षेत्रफल	भूमि वर्गीकरण	कृषक द्वारा संवत् लगान	सिंचाई के साधन	अन्तरण के क्रम में प्रमाणित नामान्तरकरण संख्या व दिनांक	टिप्पणी
2380	0.1900	बंजर	0.1900			
2396	2.3600	गै.मु.चट्टान	2.3600			
2398	0.3400	गै.मु.चट्टान	0.3400			
2401	0.5000	गै.मु.चट्टान	0.5000			
2402	1.8300	गै.मु.चट्टान	1.8300			
2408	3.1900	गै.मु.चट्टान	3.1900			
2410	6.5900	गै.मु.चट्टान	6.5900			
2411	0.0100	हट्टलपैल	0.0100			
2412	0.5800	गै.मु.चट्टान	0.5800			
2416	4.0600	बंजर	4.0600			
2417	5.0600	गै.मु.चट्टान	5.0600			
2418	8.1400	गै.मु.चट्टान	8.1400			
2428	6.1700	गै.मु.चट्टान	6.1700			
2429	0.8200	गडक	0.8200			
2430	0.9600	गै.मु.चट्टान	0.9600			
2445	4.1500	बंजर	4.1500			
2447	1.8100	बंजर	1.8100			
2453	0.2300	बंजर	0.2300			
2462 ✓	2.1200	बंजर	2.1200			
2466	2.0200	बंजर	2.0200			
2681	9.1300	गै.मु.चट्टान	9.1300			
2682	5.7800	गै.मु.चट्टान	5.7800			
2687	2.1100	गै.मु.चट्टान	2.1100			
2701/3151	0.1300	बंजर	0.1300			
कुल 24	68.2800		68.2800			

नाम - सं. 1149 से नामांतरण मांगे जा रहे थे सं. 2462  
7-8-19 रुकवा 2.12 के बजाय 2462 रुकवा  
1.70 अकसुर वाले 72 के नाम सं. 3771  
रुकवा सं. 0.42 परागाह दर्ज करने की स्वीकृति  
5/1

जमाबन्दी प्रतिलिपि

11-09-19

पटवारी  
ग्राम, खसरा मांगरोल  
तहसील निम्बाहेडा जिला चित्तौड़गढ़

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## जमाबन्दी (खेवट/खतोनी) (प्रतिलिपि)

ग्राम का नाम :- मांगरोल  
पटवार हल्का :- मांगरोल  
भू. अभि. नि. :- मांगरोल  
तहसील :- निम्बाहेडा  
जिला :- चित्तौड़गढ़

सम्बत :- 2072 - 2075

भूमि धारक का नाम :- राज. सरकार

क्षेत्रफल की ईकाई :- हेक्टेयर

खाता संख्या नया :- 954

खाता संख्या पुराना :- 340

काश्तकार का नाम:-

चरागाह

खसरा संख्या	क्षेत्रफल	भूमि वर्गीकरण	कृषक द्वारा सिंचाई के साधन	अन्तरण के क्रम में प्रमाणित नामान्तरकरण संख्या व दिनांक	टिप्पणी
132	1.7200	चरागाह	1.7200	ना.सं. 1092 न्यायालय आदेश से आ.नं. 142	
133	1.3200	चरागाह	1.3200	14-03-19 मीन आ.नं. 143 रुकबा 2.90 है.	
142	2.4000	चरागाह	2.4000	के क्षणाय आ.नं. 142 रुकबा 1.99 है. व आ.नं.	
144	2.5000	चरागाह	2.5000	143 रुकबा 0.41 है. दर्ज हुआ। शेष रु. 1.58।	
148	1.3000	चरागाह	1.3000	ना.सं. 925 आदेश से आ.नं. 171 रुकबा 0.71 है.	
155	1.7500	चरागाह	1.7500	16-3-18 सडक आ.नं. 172 रुकबा 0.93 है.	
162	1.0100	चरागाह	1.0100	सडक आ.नं. 171 सडक 4.34 है. सडक आ.नं. 180	
168	2.8300	चरागाह	2.8300	रुकबा 3.82 है. में से बटवा आ.नं. 3649/180 रुकबा	
171	0.7700	चरागाह	0.7700	0.01 है. सडक, सडक परिवहन और राजमार्ग	
172	0.9300	चरागाह	0.9300	मंत्रालय भारत सरकार के नाम दर्ज हुआ। शेष	
173	8.6300	चरागाह	8.6300	बट. जमा.।	
174	0.8000	चरागाह	0.8000	ना.सं. 1092 न्यायालय आदेश से आ.नं. 144	
177	4.3400	चरागाह	4.3400	14-03-19 मीन के क्षणाय 3742 रुकबा 0.79 है.	
178	0.7000	चरागाह	0.7000	व आ.नं. 144 रुकबा 1.71 है. दर्ज हुआ। शेष रु. 1.71।	
180	3.8200	चरागाह	3.8200	ना.सं. 925 आदेश से आ.नं. 145 रुकबा 3.93 है. में से बटवा	
196	3.9300	चरागाह	3.9300	16-3-18 आ.नं. 3650/195 रुकबा 0.46 है. व आ.	
198	1.3900	चरागाह	1.3900	नं. 218 रुकबा 0.95 है. में से बटवा आ.नं. 3650/195	
198/3173	0.5500	चरागाह	0.5500	रुकबा 0.46 है. सडक परिवहन और राजमार्ग मंत्रालय	
200	2.7300	चरागाह	2.7300	भारत सरकार के नाम दर्ज हुआ। शेष रु. 1.71।	
218	0.9500	चरागाह	0.9500	ना.सं. 771 से आ.नं. 258 रुकबा 1.94 है. में से आ.नं.	
236	0.0800	चरागाह	0.0800	26-4-17 258 मीन रुकबा 1.15 है. श्री राजकीन डेपु	
257	0.0200	चरागाह	0.0200	माध्यमिक विद्यालय मांगरोल (स्कूल भवन) व आ.	
258	1.9400	चरागाह	1.9400	नं. 3609 रुकबा 0.79 है. चरागाह के नाम दर्ज हुआ।	
377	0.7600	चरागाह	0.7600	ना.सं. 771 से आ.नं. 258 रुकबा 1.94 है. में से आ.नं.	
390	1.8700	चरागाह	1.8700	26-4-17 258 मीन रुकबा 1.15 है. श्री राजकीन डेपु	
395	0.2500	चरागाह	0.2500	माध्यमिक विद्यालय मांगरोल (स्कूल भवन) व आ.	
396	0.1500	चरागाह	0.1500	नं. 3609 रुकबा 0.79 है. चरागाह के नाम दर्ज हुआ।	
397	0.6100	चरागाह	0.6100	ना.सं. 771 से आ.नं. 258 रुकबा 1.94 है. में से आ.नं.	
398	1.2700	चरागाह	1.2700	26-4-17 258 मीन रुकबा 1.15 है. श्री राजकीन डेपु	
539	0.7700	चरागाह	0.7700	माध्यमिक विद्यालय मांगरोल (स्कूल भवन) व आ.	
543	0.4100	चरागाह	0.4100	नं. 3609 रुकबा 0.79 है. चरागाह के नाम दर्ज हुआ।	
547	0.1500	चरागाह	0.1500	ना.सं. 771 से आ.नं. 258 रुकबा 1.94 है. में से आ.नं.	
548	1.7700	चरागाह	1.7700	26-4-17 258 मीन रुकबा 1.15 है. श्री राजकीन डेपु	
550	1.2000	चरागाह	1.2000	माध्यमिक विद्यालय मांगरोल (स्कूल भवन) व आ.	



## जमाबन्दी (खेवट/खतोनी) (प्रतिलिपि)

प्रपत्र पी-26 (बी)  
(वेबिने नियम 153 ए)ग्राम का नाम :- मांगरोल  
पटवार हल्का :- मांगरोल  
भू.ध.भि.नि. :- मांगरोल  
तहसील :- निम्बाहेड़ा  
जिला :- चित्तौड़गढ़सम्बत :- 2072 - 2075  
भूमि धारक का नाम :- राज.सरकार  
खेवफल की ईकाई :- हेक्टेयर  
खाता संख्या नया :- 954  
खाता संख्या पुराना :- 340

561	0.6000	चरागाह	0.6000
902	1.7700	चरागाह	1.7700
989	2.5300	चरागाह	2.5300
990	1.1800	चरागाह	1.1800
1022	0.7000	चरागाह	0.7000
1472	0.5100	चरागाह	0.5100
2175	0.5100	चरनोट	0.5100
2306	2.1100	चरागाह	2.1100
2312	2.7400	चरागाह	2.7400
2346	2.6600	चरागाह	2.6600
2348	1.9900	चरागाह	1.9900
2381	0.2500	चरागाह	0.2500
2397	3.5700	चरागाह	3.5700
2409	0.1000	चरागाह	0.1000
2446	1.7400	चरागाह	1.7400
2457	2.6500	चरागाह	2.6500
2463	0.5300	चरागाह	0.5300
2467	0.7500	चरागाह	0.7500
2668	1.0000	चरागाह	1.0000
2669	0.0800	चरागाह	0.0800
2672	0.1800	चरागाह	0.1800
2698	0.5000	चरागाह	0.5000
2700	0.5100	चरनोट	0.5100
2701	3.0600	चरागाह	3.0600
2705	1.3600	चरागाह	1.3600
2707	0.6900	भे.भू.	0.6900
2709	1.3700	चरागाह	1.3700
2841	2.9500	चरागाह	2.9500
2858	0.5700	बारानी 3	0.5700 3.9900
2884	2.5300	चरागाह	2.5300
2885	2.7800	चरागाह	2.7800
2937	1.1900	चरनोट	1.1900
3000	0.0800	खंड 1	0.0800 0.2800
3003/3197	1.0100	बारानी 3	1.0100 7.0700
3004	0.3200	बारानी 3	0.3200 2.2400
3005	0.2100	बारानी 3	0.2100 1.4700
3119	1.2300	चरनोट	1.2300
3120	0.7300	चरागाह	0.7300

नामा सं. 925 आदेश से आ.नं. 989 रकबा 2.53  
16-3-48 ई. में से खटा आ.नं. 352/989 रकबा  
0.21 ई. सडक आ.नं. 990 रकबा 1.18 ई. में से  
वदता आ.नं. 3659/990 रकबा 0.20 ई. सडक  
आ.नं. 1021 रकबा 0.70 ई. में से वदता आ.नं.  
3658 रकबा 0.15 ई. सडक सडक परिवहन और  
1022  
राजमार्ग मंत्रालय भारत सरकार के नाम दर्ज हुआ  
क्षेत्र बढ़, जमा.

ना.सं. 1149 के मामालम आदेश से आ.नं. 2463  
7-8-49 रकबा 0.53 दिक्कत चरागाह के वजाम  
2463 रकबा 0.11 दिक्कत चरागाह से आ.नं. 3778  
रकबा 0.42 मेसार्स जे के सीमेंट वर्क्स लिमिटेड  
माइनिंग लीज के नाम दर्ज की स्वीकृति हुई।

सत्य प्रतिलिपि  
16-04-19

पटवारी  
खेवट/खतोनी  
स.ड. निम्बाहेड़ा (रकबा)

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## जमाबन्दी (खेवट/खतोनी) (प्रतिलिपि)

प्रपत्र पी-26 (बी)  
(देखिये नियम 153 ए)

ग्राम का नाम :- मांगरोल

पटवार ब्लक :- मांगरोल

भू.अभि.नि. :- मांगरोल

तहसील :- गिम्बाहेड़ा

जिला :- चित्तौड़गढ़

सम्मत :- 2072 - 2075

भूमि धारक का नाम :- राज.सरकार

खेवफल की ईकाई :- हेक्टेयर

खाता संख्या नया :- 954

खाता संख्या पुराना :- 340

3121	1.8800	चरगाह	1.8800
3315/2707	0.7000	चरनोट	0.7000
3485/2807	0.0100	चरनोट	0.0100
कुल खसरे - 75	107.4500		107.4500 15.05

यह प्रपत्र केवल प्रार्थी की जानकारी के लिए है।

इसका उपयोग किसी भी न्यायालय में साक्ष्य के रूप में नहीं किया जा सकता है।

मकल जारी करने की तिथि :- 6-Sep-2019



राज. ज. अभि. नि.

16-09-19  
पटवार  
पटवार ब्लक मांगरोल  
तह. गिम्बाहेड़ा (राज.)P-35  
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## जमाबन्दी (खेवट/खतोनी) (प्रतिलिपि)

प्रपत्र पी-26 (वी)  
(देखिये नियम 153 ए)

ग्राम का नाम :- मांगरोल  
पटवार हल्का :- मांगरोल  
भू.अभि.वि. :- मांगरोल  
तहसील :- मिन्वाहेडा  
जिला :- चित्तौड़गढ़

सम्बत :- 2072 - 2075

भूमि धारक का नाम :- राज.सरकार

क्षेत्रफल की ईकाई :- हैक्टेयर

खाता संख्या नया :- 931

खाता संख्या पुराना :- 172

काश्तकार का नाम:-

माईनिंग बीज खनन हेतु - मेर्सिस जे.के.सीमेन्ट वर्कर्स प्रोपराईटर जे.के.सीमेन्ट लिमि. कमलाटावर कानपुर (सरफेस रेंट पर, कुल सरफेस रेंट-164 रुपये) ना.स.6, 7, 8, 10, 64, 65, 72, 79, 83, 84, 85, 111, 112, 138, 141, 146, 159, 173, 174, 175, 176, 188, 216, 265, 309, 310, 316, 348, 349, 350, 351, 352, 414, 441

खसरा संख्या	क्षेत्रफल	भूमि वर्गीकरण	कृषक द्वारा संवत् लगान	सिंचाई के साधन	अन्तरण के क्रम में प्रमाणित नामान्तरकरण संख्या व दिनांक	टिप्पणी
2352	5.0600	बंजर	5.0600			
2353	4.9100	चरागाह	4.9100			
2354	0.3400	बारानी 3	0.3400	2.3800		
2382	0.9100	बारानी	0.9100			
2383	0.7100	बारानी	0.7100			
2386	0.7100	बारानी	0.7100			
2386/3230	0.7100	बारानी	0.7100			
2399	1.0100	बंजर	1.0100			
2400	1.0100	बंजर	1.0100			
2403	0.0100	गे.मु.चाह	0.0100			
2404	1.2500	बंजर	1.2500			
2405	2.7400	बंजर 1	2.7400	9.5900		
2406	0.8600	चा.प.	0.8600			
2407	0.8700	चा.प.	0.8700			
2413	1.5200	गे.मु.	1.5200			
2414	1.5200	बंजर	1.5200			
2415	1.5200	बंजर	1.5200			
2419	0.0600	गे.मु.चाह	0.0600			
2420	0.4800	चा.प.	0.4800			
2426	0.3400	चाही 4	0.3400	4.0800		
2427	0.3400	चाही 4	0.3400	4.0800		
2432	0.7600	बंजर	0.7600			
2443	0.3400	चाही 4	0.3400	4.0800		
2444	0.3400	चाही 4	0.3400	4.0800		
2448	0.7600	बंजर 1	0.7600	2.6600		
2449	0.7600	बंजर	0.7600			
2450	0.7600	बंजर	0.7600			
2451	0.7600	बीड़	0.7600			
2452	0.7600	बंजर	0.7600			
2458	3.4400	चरागाह	3.4400			
2459	1.2600	गे.मु.चट्टान	1.2600			
2460	2.7800	गे.मु.चट्टान	2.7800			

ना.सं. 1149 से गायब आदेश से  
7-8-19 आ.नं. 2465 रकबा 0.53 है.  
के बजाय 2465 रकबा 1.78 है.  
बदलुर खातेदार के नाम से आ.नं. 3776 रकबा 0.75, 8/11/19  
2465 रकबा 0.42 चरागाह दर्ज करने की स्वीकृति हुई।

सत्य प्रतिलिपि  
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ना.सं. 1149 से गायब आदेश से  
7-8-19 आ.नं. 2465 रकबा 0.53 है.  
के बजाय 2465 रकबा 1.78 है.  
बदलुर खातेदार के नाम से आ.नं. 3776 रकबा 0.75 चरागाह दर्ज करने  
की स्वीकृति हुई।

सत्य प्रतिलिपि  
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## जमाबन्दी (खेवट/खतोनी) (प्रतिलिपि)

प्रपत्र पी-26 (बी)  
(देखिये नियम 153 ए)ग्राम का नाम :- मांगरोल  
पटवार हल्का :- मांगरोल  
भू.अभि.नि. :- मांगरोल  
तहसील :- निम्बाहेड़ा  
जिला :- चित्तौड़गढ़

संवत् :- 2072 - 2075

भूमि धारक का नाम :- राज.सरकार

क्षेत्रफल की ईकाई :- हेक्टेयर

खाता संख्या नया :- 931

खाता संख्या पुराना :- 172

2461	2.7800	खरागाह	2.7800	
2464	1.5200	गै.मु.चट्टान	1.5200	
2465	2.5300	गै.मु.चट्टान	2.5300	
2468	3.1200	खरागाह	3.1200	
2469	2.5300	गै.मु.चट्टान	2.5300	
2475	0.5000	चा.प.	0.5000	
2476	0.4000	चाही 4	0.4000	4.8000
2477	0.4100	चाही 4	0.4100	4.9200
2486	0.6300	चाही 4	0.6300	7.5600
2487	1.2500	चाही 4	1.2500	15.0000
2488	0.7000	बंजड़	0.7000	
2489	0.1300	बंजड़ 1	0.1300	0.4550
2491	0.6300	बंजड़	0.6300	
2492	0.6300	बंजड़	0.6300	
2495	0.0100	छूबवैल	0.0100	
2496	0.8800	चाही 4	0.8800	10.5600
2497	0.8900	बारानी 2	0.8900	8.4550
2498	0.5800	बारानी 2	0.5800	5.5100
2499	1.1200	बारानी 2	1.1200	10.6400
2500	0.4900	बारानी 2	0.4900	4.6550
2501	1.8100	चाही 4	1.8100	21.7200
2502	0.0100	छूबवैल	0.0100	
2503	0.4100	चाही 4	0.4100	4.9200
2504	0.0100	छूबवैल	0.0100	
2505	2.3600	चाही 4	2.3600	28.3200
2518	0.6400	चाही 4	0.6400	7.6800
2524	0.4600	चाही 4	0.4600	5.5200
2531	0.0100	छूबवैल	0.0100	
2532	1.3700	चाही 4	1.3700	16.4400
2533	0.7500	चाही 4	0.7500	9.0000
2534	0.0600	चाही 4	0.0600	0.7200
2536	2.0900	बारानी 3	2.0900	14.6300
2538	0.0100	छूबवैल	0.0100	
2539	0.8200	चाही 4	0.8200	9.8400
3373/2539	0.8400	चाही 4	0.8400	10.0800
3382/2097	0.1400	गै.मु.सड़क	0.1400	0.0000
3391/2486	0.6300	चाही 4	0.6300	7.5600
3465/2397	0.2500	खदान	0.2500	

प्रतिलिपि  
16-09-19  
पटवारी  
राज.सरकार मांगरोल  
तह. निम्बाहेड़ा (राज.)P-35  
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## जमाबन्दी (खेवट/खतोनी) (प्रतिलिपि)

प्रपत्र पी-26 (वी)  
(देखिये नियम 153 ए)

ग्राम का नाम :- मांगरोल

पट्टा नं. हल्का :- मांगरोल

भू. अभि. नि. :- मांगरोल

तहसील :- निम्बाहेड़ा

जिला :- चित्तौड़गढ़

सम्बत :- 2072 - 2075

भूमि धारक का नाम :- राज. सरकार

क्षेत्रफल की ईकाई :- हेक्टेयर

खाता संख्या नया :- 931

खाता संख्या पुराना :- 172

3466/2348	1.6400	खदान	1.6400	
3467/2381	1.0900	खदान	1.0900	
3484/2347	2.0200	गे.मू.	2.0200	
3527/2357	0.4700	बारानी 3	0.4700	3.2900
कुल खसरे - 74	79.2200		79.2200	243.22

यह प्रपत्र केवल प्रार्थी की जानकारी के लिए है।

इसका उपयोग किसी भी न्यायालय में साक्ष्य के रूप में नहीं किया जा सकता है।

नकल जारी करने की तिथि :- 6-Sep-2019



प्रतिलिपि

16-09-19

पट्टा नं. हल्का मांगरोल  
तह. निम्बाहेड़ा (तह.)P/35  
5.54







(बाफेल चारुण)

सामान्य कारण दर्शाकर आग ... पट्टार के लोका ... मिरीसक लोका ... सनदीन ... बिला ... राजस्थान

महानान अमरवर्मा (सप्तमी) में भूटि विजय ज्ञान के लिए  
प्रसादित अभिलेख

जन्मावस्थी नै प्रतिस्थापित किंचे ज्ञाने कं लिये प्रतिस्थापित नई प्रविष्टि

नामः श्री १०८ / १२५

अवधान असावरी (जलीमती) में भू-विहिये जाल के लिए प्रस्तावित प्रविष्टि						जनरल में प्रतिपादित विवे जाने के लिए प्रतिप्रस्तुत पर प्रविष्टि					
1	प्रविष्टि की क्रम संख्या					7	विशेषीय संहिता का प्रकरण का नाम				
2	जमाबंदी में खेतों की संख्या					8	नयी जोत की संख्या				
3	खसरा संख्या					9	विशेषीय संहिता का प्रकरण का नाम				
4	क्षेत्रफल					10	खसरा संख्या				
5	गृदा (भूमि) वर्गीकरण					11	क्षेत्रफल				
6	राजस्व या लगान					12	गृदा (भूमि) वर्गीकरण				
7	राजस्व या लगान					13	राजस्व या लगान				
8	प्रविष्टि की दशा से जीमत सहित रजिस्ट्रीकरण का स्वल्प तथा तारीख तथा बन्धक की दशा में बन्धक रूप की रकम मय रजिस्ट्रीकरण की तारीख या मोचन की तारीख एवं प्रकीर्ण मागानंतरकरण फ़ौर					14	सम्पत्त तथा दस्त-बांछ की क्रम संख्या जिस पर बांग नियत की गई है				
9	सम्पत्त तथा दस्त-बांछ की क्रम संख्या जिस पर बांग नियत की गई है					15	टिप्पणियाँ, कच्चे आदि के बारे में स्पष्ट जांच से संबंधित पट्टावरियों की रिपोर्ट और प्रविष्टियों में अभिलेख तथा प्रस्तुत वस्तावेज के अनुसार जांचों से संबंधित भू-अभिलेख निरीक्षक की रिपोर्ट				





No. 0024028

(अति पत्र)

CHILDREN

नामान्तरकरण रजिस्टर ग्राम ... मा. १०/०५/७५ पटवार हल्का ... अ. १०/१५/७५ भू. अ. निरोक्षक हल्का ... तहसील ... मा. १०/०५/७५ जिला ... चित्तूर जिला ... रायचूर जिला ...

[illegible]

No. 10040000

1

एक सं. ७. 21



न्यायालय उपखण्ड अधिकारी, निम्बाहेड़ा जिला चित्तौड़गढ़  
पीठासीन अधिकारी:- चम्पालाल जीनगर, RAS

प्रकरण सं. 15/2018 प्रार्थना पत्र

मैसर्स जे.के. सीमेन्ट वर्क्स प्रोपराईटर जे.के. सीमेन्ट लिमिटेड, कमला टॉवर,  
कानपुर जरिये पावर ऑफ एवॉर्नी होल्डर एस.के. रावौड़ पिता लक्ष्मण सिंह  
रावौड़ निवासी कैलाश नगर, निम्बाहेड़ा, तहसील निम्बाहेड़ा।

- प्रार्थी

//बनाम//

राज. सरकार जरिये तहसीलदार निम्बाहेड़ा।

- विपक्षी

प्रार्थना पत्र अन्तर्गत धारा 136 रा. भू राज.अधि.

निर्णय

दिनांक 19.12.2018

संक्षिप्त विवरण मामला इस प्रकार है कि प्रार्थी ने एक प्रार्थना पत्र अन्तर्गत धारा 136 राजस्थान भू राजस्व अधिनियम का प्रस्तुत कर निवेदन किया की वाके मौजा मांगरोल में प्रार्थी कम्पनी के नाम की आराजी नं. 2048/150 रकबा 10 बीघा, आराजी नं. 2941/150 रकबा 8 बीघा, 2049/153 रकबा 6 बीघा एवं 2942/153 रकबा 8 बीघा 7 बिस्वा भूमि माईनिंग लीज पर आवंटित होकर प्रार्थी कम्पनी के खाते में अंकित है। हाल ही में हुए नये भू-प्रबन्ध में इनके नये नम्बर आराजी नं. 2465, 2464, 2462, 2466, 2467 व 2463 कुल किता 6 कुल रकबा 9.4700 हेक्टेयर हुआ। सेटलमेण्ट से पूर्व खसरा नम्बर 150 में से खनन प्रयोजनार्थ प्रार्थी को आवंटित रकबा 10 बीघा के बटा नम्बर 2048/150 होकर उक्त खसरा भूमि का पश्चिमी हिस्सा है तथा 8 बीघा भूमि का बटा नम्बर 2941/150 होकर उक्त भूमि का पूर्वी-दक्षिणी हिस्सा है। इस मूल खसरा नम्बर की शेष भूमि 2 बीघा 19 बिस्वा का नम्बर 150 मीन उत्तरी पूर्वी हिस्सा होकर राजकीय चारागाह के रूप में मौके पर स्थित है। इसी अनुसार प्रार्थी माईनिंग लीज के लिए आवंटित भूमि पर काबिज है। पूर्व सेटलमेण्ट के नक्शे में प्रार्थी कम्पनी को 2048/150 रकबा 10 बीघा आवंटन हुआ और उस पर जहां कब्जा दिया गया वह आराजी नं. 2941/150 के पश्चिम में है और वहीं कम्पनी को माईनिंग लीज स्वीकार हुई और 2941/150 पर ही कम्पनी को माईनिंग लीज दी गई। वह आराजी नं. 2048/150 के पूर्व में है। नवीन भू-प्रबंध में 2048/150 के नये आराजी नं. 2465 और आराजी नं. 2941/150 के नये आराजी नं. 2466 है। नये सेटलमेण्ट में नक्शे में दोनों आराजी नम्बर को गलत ढंग

से पैमुद कर दिया गया है। नक्शे में आराजी नं. 2048/150 के स्थान पर नये नक्शे में 2466 और 2467 को पैमुद कर दिया गया है जो गलत है जबकि वहां पर खसरा नं. 2466 दर्ज होना चाहिये था। इसी प्रकार 2941/150 का नय नम्ब 2466 है जो आराजी नं. 2467 के उत्तर में पैमुद किया गया है वह आराजी नं. 2465 की जगह दर्ज होना चाहिए था। इस प्रकार पूर्णतया गलत तरमीम की गई है जिसे प्रार्थी कम्पनी संशोधित कराने की अधिकारी है। अतः प्रार्थना पत्र प्रस्तुत कर निवेदन है कि साबिक रेकार्ड के अनुसार नवीन नक्शे में संशोधन करवाया जावे।

प्रकरण दर्ज रजिस्टर किया जाकर विपक्षी को जरिये सूचना पत्र तलब किया गया। विपक्षी ने जवाब प्रस्तुत कर साबिक रेकार्ड एवं नवीन रेकार्ड में अन्तर होना स्वीकार करते हुए साबिक रेकार्ड एवं वर्तमान मौका स्थिति अनुसार संशोधन प्रस्ताव प्रस्तुत किये हैं।

बहस सुनी गई। मिसल का अवलोकन करते हुए पत्रावली पर उपलब्ध दस्तावेजात का गहनता से अध्ययन किया गया। दस्तावेजी साक्ष्य में नकल जमाबन्दी संवत 2072-75 ग्राम मांगरोल की खाता संख्या 935, 954, 931, नक्शा ट्रेस ग्राम मांगरोल, मिलान क्षेत्रफल, नकल जमाबन्दी संवत 2058-61 ग्राम मांगरोल की खाता संख्या 682 व नक्शा ट्रेस की प्रति प्रस्तुत की है। साबिक नक्शा एवं नवीन नक्शे का मिलान करने पर अन्तर स्पष्ट प्रकट होता है। इसके अतिरिक्त चरनोट आराजी नं. 2467 जिसका रकबा खाते में 0.7500 हेक्टेयर अंकित है उसका नक्शा ट्रेस से मिलान करने पर रकबा बराबरी से रकबा लगभग 2.000 हेक्टेयर से ज्यादा बनता है। इस प्रकार आराजी नं. 2466 का रकबा खाते में 2.0200 अंकित है परन्तु नक्शा ट्रेस में अंकित पैमाने के आधार पर सिर्फ 0.7500 हेक्टेयर तरमीम है। इस प्रकार साबिक रेकार्ड एवं नवीन रेकार्ड में स्पष्ट अन्तर है। तहसीलदार निम्बाहेड़ा ने भी मौका एवं रेकार्ड के आधार पर संशोधन प्रस्ताव तैयार कर अपने जवाब के साथ प्रस्तुत किये हैं और संशोधन किया जाना उचित बताया है। प्रार्थी का प्रार्थना पत्र स्वीकार योग्य है।

अतः प्रार्थी का प्रार्थना पत्र स्वीकार किया जाता है। ग्राम मांगरोल की प्रश्नगत आराजीयात में निम्नानुसार संशोधन के आदेश दिये जाते हैं-  
निम्नानुसार संशोधन के आदेश दिये जाते हैं:-

क्र. सं.	वर्तमान प्रविष्टि			प्रस्तावित संशोधन		
	आराजी नं.	रकबा हेक्टेयर में	नाम खातेदार	आराजी नं.	रकबा हेक्टेयर में	नाम खातेदार
	2465	2.53	जे.के.सीमेन्ट वर्क्स लिमिटेड	2465 उत्तर	0.75	चारागाह
				2465 दक्षिण	1.78	जे.के.सीमेन्ट वर्क्स लिमिटेड



2	2466	2.02	जे.के.सीमेन्ट वर्क्स लिमिटेड	2466	0.75	जे.के.सीमेन्ट वर्क्स लिमिटेड
3	2464	1.52	जे.के.सीमेन्ट वर्क्स लिमिटेड	2464	1.52	जे.के.सीमेन्ट वर्क्स लिमिटेड
4	2462	2.12	जे.के.सीमेन्ट वर्क्स लिमिटेड	2462 पूर्ण 2462 पश्चिम	0.42 1.70	चारागाह जे.के.सीमेन्ट वर्क्स लिमिटेड
5	2467	0.75	चारागाह	2467	2.02	जे.के.सीमेन्ट वर्क्स लिमिटेड
6	2463	0.53	चारागाह	2463 पूर्ण 2463 पश्चिम	0.11 0.42	चारागाह जे.के.सीमेन्ट वर्क्स लिमिटेड
योग		9.47		योग	9.47	

उपर्युक्तानुसार एवं संलग्न नक्शा ट्रेस में प्रदर्शित अनुसार राज्य रेकार्ड में अमल दरामद किया जावे। प्रकरण फैसल शुमार होकर नम्बर से कम हो।

आज दिनांक 19.12.2018 को सरे इजलास सुनाया जाकर कम्प्युटराईज कराया गया।



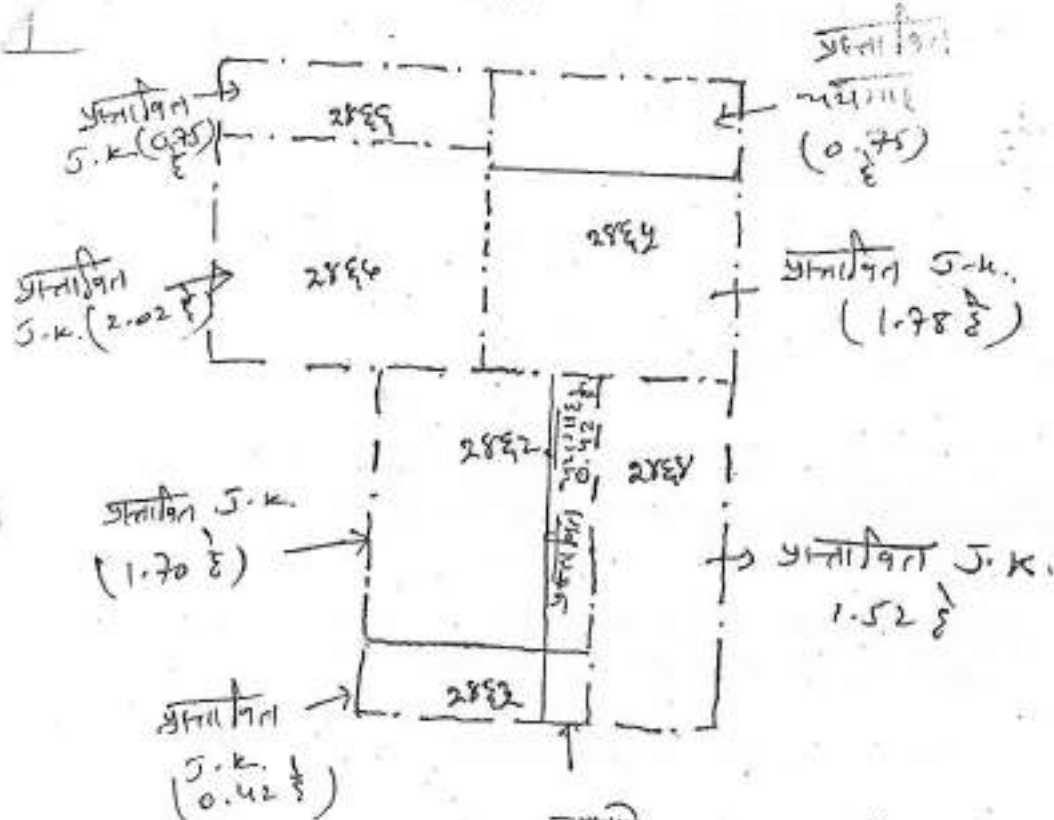
19/12/18  
अधिवक्ता  
नगरपालिका (नगर)



19/12/18  
(चम्पालाल जी नगरपालिका)  
उपखण्ड अधिकारी  
नगरपालिका



निकास ड्रेज  
 मीठा - भांगमेल नहर - निम्बाहेडा  
 प्रस्तावित



प्रस्तावित 5.क. (0.11 ई)

0.11

दिनांक  
 28-06-18  
 महासंचालक

तहसीलदार निम्बाहेडा

राजस्थान सरकार

वन विभाग

कार्यालय संभागीय मुख्य वन संरक्षक, उदयपुर

वन भवन, मोहता पार्क के सामने, चेतक सर्किल, उदयपुर-313001

Email: scf.ulpur@forest@rajasthan.gov.in; Tel.no. 0294-2424748; Fax no. 0294-2418137

क्रमांक एफ 5 ( ) वसु/मुवसं/2020-21/5002  
निमित्त,

दिनांक :- 24.09.2020

अतिरिक्त प्रधान मुख्य वन संरक्षक,  
प्रोटेक्शन एवं नोडल अधिकारी एफसीए,  
राजस्थान, जयपुर।

विषय:-Request for approval of combined Wildlife Conservation Plan for six Scheduled I species Viz. Indian peafowl (Pavo cristatus) and Panther (Panthera pardus fusca), Rusty-spotted cat (Prionailurus rubiginosus), Indian wolf (Canis lupus pallipes) Indian Monitor Lizard (Varanus bengalensis) and Indian Vulture (Gyps indicus/Gyps bengaliensis) proposed by J.K. Cement Works Nimbahera, J.K. Cement Works Mangrol Ahirpura Limestone Mine, Karunda Limestone Mine, Maliakhera Limestone Mine, Mangrol Limestone mine and Mangrol-Tilakhera Limestone Mine) Tehsil- Nimbahera, Dist- Chittorgarh (Rajasthan).

संदर्भ :- उप वन संरक्षक, चित्तौड़गढ़ का पत्र क्रमांक एफ ( ) सर्वे/उवस/ 2020-21/4172 दिनांक 29.6.2020 तथा 6048 दिनांक 23.09.2020 के क्रम में।

महोदय,

उपरोक्त विषयान्तर्गत संदर्भित पत्र से उप वन संरक्षक, चित्तौड़गढ़ ने उनके पत्र क्रमांक एफ ( ) सर्वे / उवस/ 2020-21/4172 दिनांक 29.6.2020 एवं 6048 दिनांक 23.09.2020 से आलोच्य प्रकरण में वांछित Sch-I वन्यजीवों के संरक्षण के उद्देश्य से इस सम्भागीय उप वन संरक्षक, चित्तौड़गढ़ के मार्गदर्शन में तैयार किया गया Wildlife Conservation Plan (WCP) इस कार्यालय को प्रेषित किया गया है।

अतः प्राप्त प्रस्ताव Wildlife Conservation Plan (WCP) को इस कार्यालय के सहमति के साथ मूल ही दो प्रतियों में सक्षम स्तर से अनुमोदित कराने हेतु संलग्न प्रेषित है।

संलग्न:- उपरोक्तानुसार। (मूल ही दो प्रतियों में)

भवदीय,

(आर.के. सिंह)

संभागीय मुख्य वन संरक्षक  
उदयपुर।

दिनांक :-

क्रमांक पत्रा 5 ( ) वसु/मुवसं/2020-21/

प्रतिलिपि:-निम्न को सूचनार्थ प्रेषित है:-

1- उप वन संरक्षक, चित्तौड़गढ़ को उनके पत्रांक 4172 दिनांक 29.06.2020 तथा 6048 दिनांक 23.09.2020 के क्रम में।

2- Unit Head, J.K. Cement Works (J.K. Cement Nimbahera).

— 85 —

29/9/20

संभागीय मुख्य वन संरक्षक  
उदयपुर।

## Mangrol - Tilakhera Limestone Mine

Community Social Economic Expenses Incurred from April-2020 to September-2020.

Sr. No.	Particulars	Amount (Rs.)
1	Water storage tanks, drinking water supply facility and irrigation support to agriculture	27,000.00
2	Promotion of Literacy and Education	209,530.00
3	Livelihood and Socio-Economic standard improvement support	530,166.00
4	Improvement of Road connectivity and Public transport and other infrastructure facilities	259,814.30
Total		1,026,510.30

Community Social ResponsibilityWater Supply to Villages by Tankers

Infrastructure



Shahbad CC Road

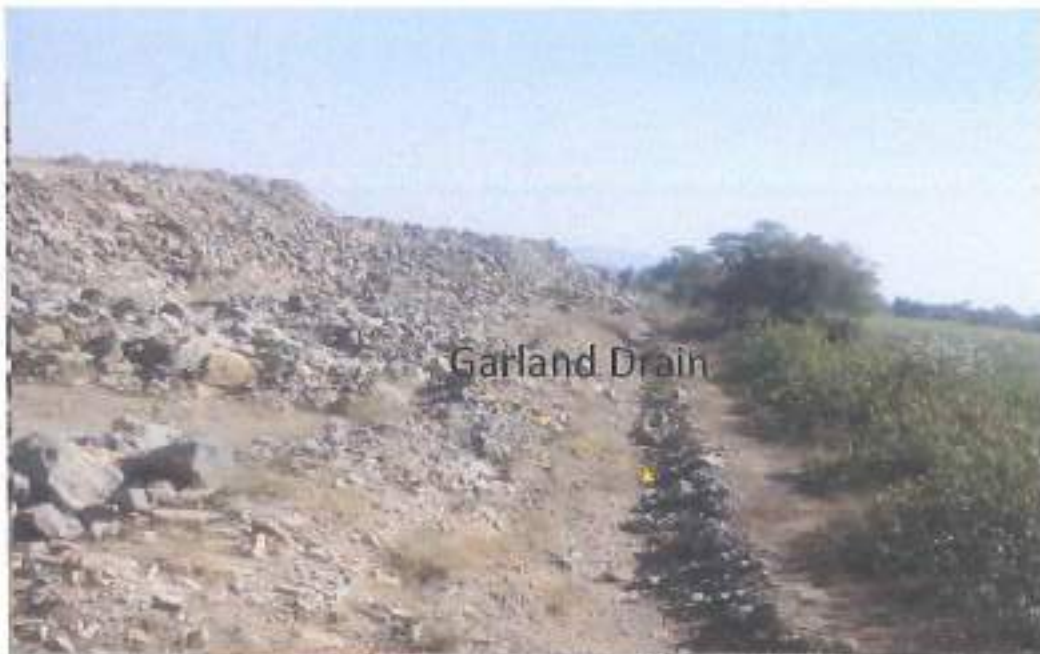


## बोर्ड परीक्षार्थियों को निशुल्क कोचिंग



निम्बाहेड़ा | जेके सीमेंट द्वारा सीएसआर के तहत मांगरेल एवं अरनिया जोशी में ग्रामीण क्षेत्रों के विद्यार्थियों के परीक्षा परिणाम में सुधार के उद्देश्य को लेकर निशुल्क कोचिंग क्लासेस चलाई जा रही है। एकल शिक्षण संस्था के माध्यम से चलाई जा रही कोचिंग क्लासेस आगामी परीक्षा प्रारंभ होने तक जारी रहेगी। दसवीं कक्षा के विद्यार्थियों को विविध विषयों पर योग्य प्रशिक्षकों द्वारा पाठ्यक्रमों का अध्यापन कराया जा रहा है। सीएसआर उपप्रबंधक शैलेश चौबीसा ने बताया कि विद्यालय अध्यापन कालांश समाप्ति के बाद परिसर में ही गणित विज्ञान व अंग्रेजी विषय की कक्षाएं संचालित की जा रही है।

**Garland Drain near Subgrade Dump**



राजस्थान सरकार

## कार्यालय उप वन संरक्षक, चित्तौड़गढ़ (राज.)

(का विभाग परिसर, प्राण सर्किल, चित्तौड़गढ़-312001, फोन नं. 07622-294001, email: dcf.chitthorgarh@rajasthan.gov.in)

क्रमांक :- एफ ( ) सर्वे/उपस/2020-21/6048

दिनांक :- 23.9.2020

निमित्त,

समांगीय मुख्य वन संरक्षक,  
उदयपुर

विषय :- Request for approval of combined Wildlife Conservation Plan for two Scheduled-I species Viz. Indian peafowl (*Pavo cristatus*) & Panther (*Panthera pardus fusca*), Rusty-spotted cat (*Prionailurus rubiginosus*), Indian wolf (*Canis lupus pallipes*) Indian Monitor Lizard (*Varanus bengalensis*) and Indian Vulture (*Gyps indicus/gyps bengalensis*) proposed by J.K. Cement Works (J.K. Cement, Nimbahera, J.K. Mangrol Cement plant, Ahirpura Limestone Mine, Kurunda Limestone Mine, Maliakhara Limestone Mine, Mangrol Limestone mine and Mangrol- Tilakhara Limestone Mine) Tehsil- Nimbahera, Dist- Chittorgarh (Rajasthan).

प्रसंग :- आपका का पत्र क्रमांक एफ 5 ( ) वसु/ मुवस/2020-21/4537 दिनांक 7.9.2020 के क्रम में।

महोदय,

उपरोक्त विषयान्तर्गत निवेदन है, कि प्रासंगिक पत्र से Wildlife Conservation Plan में लगाए गए आक्षेपों का बिन्दुवार प्रत्युत्तर निम्नानुसार प्रेषित है :-

क्र.सं.	आक्षेप	प्रत्युत्तर
(क)	1. जी.टी.शीट (10 किलोमीटर परिधि) 2. List of flora and fauna (Annexure-IV)	जी.टी.शीट प्रमाणित कर दी गई है। फ्लोरा/फाउना की सूची प्रमाणित कर दी गई है।
(ख)	भौतिक एवं वित्तीय प्रायधानों का उक्त क्षेत्र एवं वन्यजीवों के संरक्षण की दृष्टि से परीक्षण करें व तकनीकी रूप से उपयुक्त पाए जाने पर प्रमाणित कर प्रेषित करें।	भौतिक एवं वित्तीय प्रायधानों का उक्त क्षेत्र एवं वन्यजीवों के संरक्षण की दृष्टि से परीक्षण किया जाकर तकनीकी रूप से उपयुक्त पाई जाने पर प्रमाणित कर दी गई है।
(ग)	फ्लोरा/फाउना की सूची में कुछ त्रुटियां हैं, जिन्हें ठीक कर सही करावे।	फ्लोरा/फाउना की सूची में त्रुटियों को सही कर दिया गया है तथा प्रथम अनुसूची के 8 प्रजातियों के लिए प्लान तैयार कर दिया गया है।
(घ)	यदि उक्त प्लान में तकनीकी रूप से वन्यजीवों के संरक्षण हेतु और कोई आईएम आप जोड़ना चाहते हैं तो तदनुरार कार्यवाही करें।	उक्त प्लान में तकनीकी रूप से वन्यजीवों के संरक्षण हेतु आवश्यकता अनुसार बिन्दु जोड़ दिए गए हैं।

उपरोक्त आक्षेपों की पूर्ति के पश्चात Wildlife Conservation Plan की 3 मूल प्रतियां पत्र के साथ संलग्न प्रेषित है।

संलग्न :- उपरोक्तानुसार

भवदीय

(सुगना राम जाट)

उप वन संरक्षक,

चित्तौड़गढ़

दिनांक :- 23.9.2020

क्रमांक :- एफ ( ) सर्वे/उपस/2020-21/6048

प्रतिलिपि :- Unit Head, J.K. Cement Works (J.K. Cement, Nimbahera)

उप वन संरक्षक,

चित्तौड़गढ़





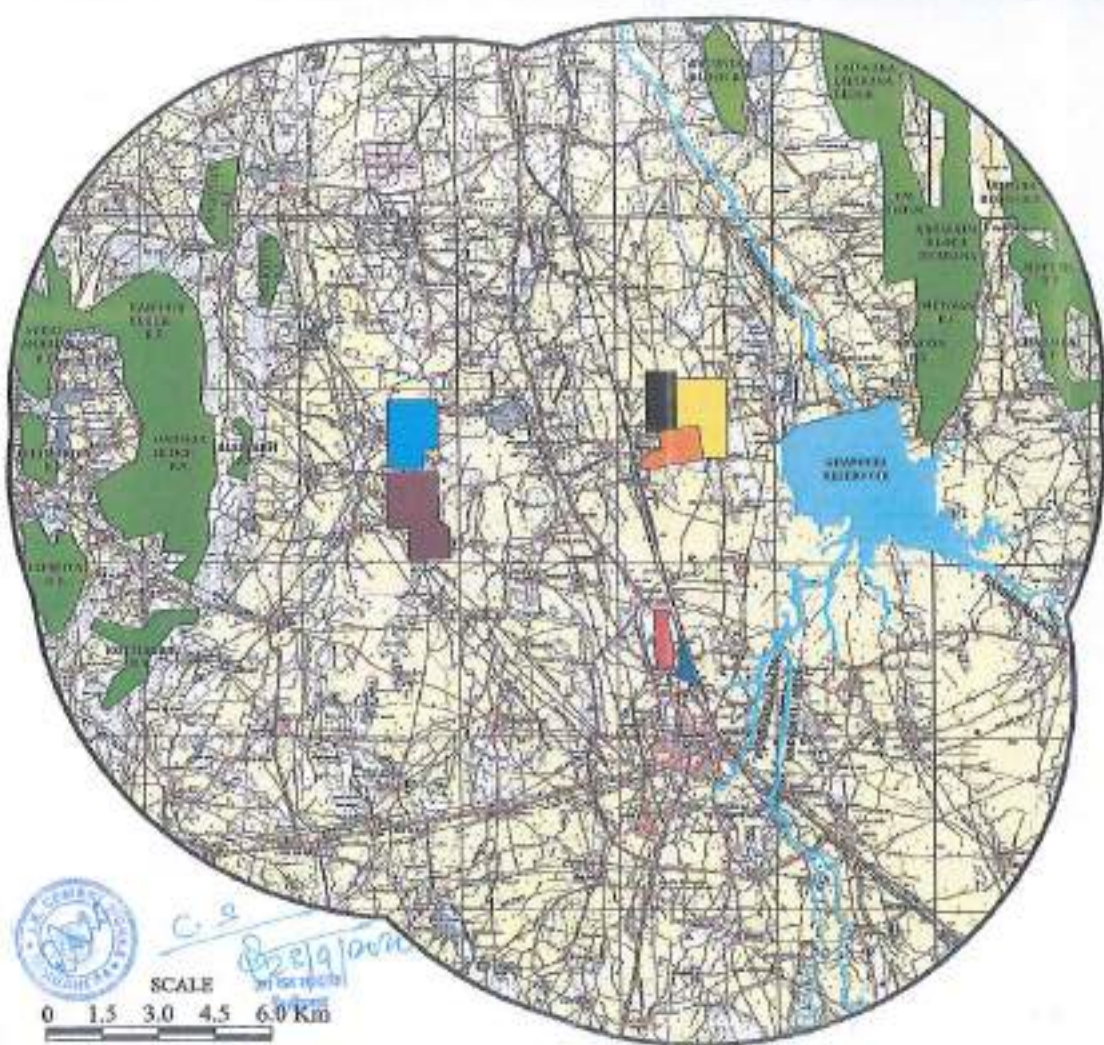
# LEGEND

Toposheet showing in 10 km radius of core & buffer zone of following units/ projects of the JK Cement Works

- Karunda Mine
- Mallakhera Mine
- Tilakhera Mine
- Ahirpura Mine
- Mangrol Mine
- Nimbahera Plant
- Mangrol Plant

There is no any ECO sensitive zone and No National park Karunda Mine, Mallakhera Mine, Tilakhera Mine, Ahirpura Mine, Mangrol Mine, Nimbahera Plant & Mangrol Plant of the lease area and cement plants

There is no forest land within mine lease area and cement plants



SCALE  
0 1.5 3.0 4.5 6.0 Km

C-2  
Bhargava



**Head Office (Mines )**  
**Rajasthan State Pollution Control Board**  
 4, Institutional Area, Jhalana Doongari, Jaipur-302 004  
 Phone: 0141-5159600,5159695 Fax: 0141-5159697



Registered

**File No** F(Mines)/Chittorgarh(Nimbahera)/1868(1)/2017-2018/2126-2130

**Order No** 2017-2018/Mines/9303

**Date:** 20/06/2017

**Unit Id :** 735

**M/s J.K Cement Works, Mangrol**

**C/O J.K. Cement Works, Kailash Nagar, Nimbahera**

**Tehsil : Nimbahera District : Chittorgarh**

**E-Mail : sk.acharya@jkcement.com**

**Sub:** Grant of Consent to Operate under section 21(4) of Air (Prevention & Control of Pollution) Act, 1981 and under section 25/26 of Water (Prevention & Control of Pollution) Act, 1974 for your **Major Mineral** Mine at near Village-Tilakhera and Mangrol, Tehsil-Nimbahera, District- Chittorgarh (M.L.No-7/97 ).

**Ref:** (i) Your applications dated 06/01/2017  
 (ii) Received on 25/01/2017

Sir,

In view of the details submitted vide your above referred applications/ documents, the **Consent to Operate** under section 21(4) of Air (Prevention & Control of Pollution) Act, 1981 and under section 25/26 of Water (Prevention & Control of Pollution) Act, 1974 is hereby granted for carrying mining activities. This consent is subject to the following stipulations:-

- 1 That this consent is being granted in favour of **M/s. J.K Cement Works, Mangrol**, a Mine of **Major Mineral** having **M.L.No.- 7/97** in an area measuring **299.2000 Hectares** at/near **Village-Tilakhera and Mangrol**, Tehsil-Nimbahera, District-Chittorgarh.
- 2 That this consent is valid for a period from **01/06/2017** to **31/05/2022**
- 3 That this consent is valid for following mining activities :-

Mineral	Permitted Mining Capacity
1 LIME STONE (ROM)	1.6000 MMTPA







Head Office (Mines )

Rajasthan State Pollution Control Board  
4, Institutional Area, Jhalana Doongari, Jaipur-302 004  
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Registered

File No F(Mines)/Chittorgarh(Nimbahera)/1868(1)/2017-2018/2126-2130

Order No 2017-2018/Mines/9303

Date: 20/06/2017

Unit Id : 735

- 4 That you shall achieve following standards in ambient air in mine area / mining activities.

Pollutant	Standards for Ambient Air	Standards for mining activity
SPM	500 $\mu\text{g}/\text{M}^3$	SPM = 600 $\mu\text{g}/\text{M}^3$ (To be measured between 3 to 10 meters from mining activity)
SO <sub>2</sub>	120 $\mu\text{g}/\text{M}^3$	
NO <sub>x</sub>	120 $\mu\text{g}/\text{M}^3$	
CO	5000 $\mu\text{g}/\text{M}^3$	

- 5 That the Mining unit shall maintain zero discharge status of waste water from the premises. No trade effluent shall be discharged inside/outside mine premises.
- 6 That your mining will not intersect the Ground Water Table during the consent period and the permission from the Central Ground Water Authority shall be obtained for intersection of Ground Water Table/ abstraction of ground water, if any and submit a copy of the same to the Board.
- 7 That this **Consent to Operate** is for mining / processing / beneficiation of product as mentioned above in M.L.No.-7/97 and a separate **Consent to Operate** is required to be obtained for any other Mineral mining/ processing/ beneficiation Plant/process if any and for any addition/ modification/ alteration or change in process.
- 8 That the occupier/operator of mine shall ensure that all the conditions imposed in the Environmental Clearance granted by the Ministry of Environment, Forest & Climate Change, Government of India vide letter no. J-11015/25/2011-IA.II (M) dated 23/01/2014 are strictly complied with.
- 9 That this consent to operate is subject to the post audit of pollution control measures and consent conditions. In case the lessee is found to have flouted consent conditions or not having adequate pollution control measures during inspection, the consent will be revoked and directions shall be issued under section 31A of the Air Act/33A of the Water Act.
- 10 That plantation shall be developed so as to cover at least 33% of the total land use for mining and allied activities as given in Approved Mining Plan and shall be maintained at all the time to maintain ambient air quality around the mine.
- 11 That mining operations shall be restricted to above ground water table and should not intersect ground water table. In case of working below the ground water table, prior approval of the Ministry of Environment, Forest & Climate Change and Central Ground Water Authority shall be obtained.



Head Office (Mines)

Rajasthan State Pollution Control Board  
4, Institutional Area, Jhalana Doongari, Jaipur-302 004  
Phone: 0141-5159600, 5159695 Fax: 0141-5159697

Registered

File No F(Mines)/Chittorgarh(Nimbahera)/1868(1)/2017-2018/2126-2130

Order No 2017-2018/Mines/9303

Date: 20/06/2017

Unit Id : 735

- 12 That ground water shall not be extracted without prior permission of the Central Ground Water Authority (CGWA).
- 13 That haul roads should be regularly graded and compacted. Regular water sprinkling should be carried out on haul roads to minimise dust generations.
- 14 That adequate measures shall be taken for control of fugitive emissions from the areas prone to air pollution.
- 15 That no discharge of effluent shall be made within or outside the premises.
- 16 That mine will comply with the standards as prescribed vide Ministry of Environment, Forest and Climate Change notification no. GSR 826 (E) dated 16th November, 2009 with respect to National Ambient Air Quality standards.
- 17 That this consent to operate is for mining activities only. Not with standing any other condition, mentioned in this letter, separate application for consent to operate shall be submitted for crushing of lime stone if any.
- 18 Notwithstanding any other condition contained in this letter of consent to operate, separate consent to establish and consent to operate shall be taken for any stone crusher or screening/processing/beneficiation plant within the mine lease area.
- 19 That all other general conditions enclosed as **Annexure** shall be strictly complied with.
- 20 That this Consent is subject to the conditions as stated above and general conditions as stated in Annexure. Further, the mining unit will comply with the provisions of the Air (Prevention & Control of Pollution) Act, 1981 & Water (Prevention & Control of Pollution) Act, 1974 and any such conditions as may be specified from time to time by the State Board under the provisions of the aforesaid Acts.
- 21 That the grant of this **Consent to Operate** is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the industry/ unit/ project proponent.
- 22 That the grant of this **Consent to Operate** shall not, in any way, adversely affect or jeopardize the legal proceedings, if any, instituted in the past or that ~~would be~~ <sup>may be</sup> instituted against you by the State Board for violation of the provisions of the ~~Rules~~ <sup>Regulations</sup> made thereunder.





**Head Office (Mines )**

Rajasthan State Pollution Control Board  
4, Institutional Area, Jhalana Doongari, Jaipur-302 004  
Phone: 0141-5159600,5159695 Fax: 0141-5159697

Registered

**File No** F(Mines)/Chittorgarh(Nimbahera)/1868(1)/2017-2018/2126-2130

**Order No** 2017-2018/Mines/9303

**Date:** 20/06/2017

**Unit Id :** 735

This bears approval of the competent authority.

Encl: As Above

**Yours Sincerely**

**Group Incharge-Mines**

**Copy To:-**

- 1 Director, Department of Mines & Geology, Government of Rajasthan, Shastri Circle, Udaipur..
- 2 Regional Officer, Regional Office, Rajasthan State Pollution Control Board, Chittorgarh - please conduct inspection and monitoring and submit report within three months
- 3 Mining Engineer, Department of Mines & Geology, Government of Rajasthan, Chittorgarh
- 4 Master File .

Validated and  
signed by  
Date: 20/06/2017

**Group Incharge-Mines**



Member Secretary



भारत सरकार  
केन्द्रीय भूमि जल प्राधिकरण  
जल संसाधन, नदी विकास  
और गंगा संरक्षण मंत्रालय

Government of India  
Central Ground Water Authority  
Ministry of Water Resources,  
River Development & Ganga Rejuvenation

CGWA/IND/Proj/2018-292-R

No.21-4(34)/WR/CGWA/2005- 907

Dated:- 14 MAY 2018

To  
M/s J. K. Cement Works,  
Kailash Nagar, Nimbahera  
Chittorgarh, Rajasthan - 312617

Sub:- Renewal of NOC for ground water withdrawal to M/s J. K. Cement Works, in respect of their existing Cement Plant located at Nimbahera and Limestone mining at Tilakhera & Nimbahera-Ahirpura Villages, Block Nimbahera, District Chittorgarh, Rajasthan - reg.

Refer to your application dated 18/04/2015 on the above cited subject. Based on recommendations of Regional Director, Central Ground Water Board, Western Region, Jaipur vide their office letter dated 18/04/2016, and further deliberations on the subject, the renewal of NOC issued vide this office letter of even no. dated 28/10/2015 is hereby accorded to M/s J. K. Cement Works, in respect of their existing Cement Plant located at Nimbahera and Limestone mining at Tilakhera & Nimbahera-Ahirpura Villages, Block Nimbahera, District Chittorgarh, Rajasthan, for a period of five (5) years from the date of issue of this letter. The renewal is however subject to the following conditions:-

1. The firm may continue to abstract 2,427 cu.m/day (not exceeding 8,00,910 cu.m/year) ground water through existing twenty five (25) tube wells and 320 cu.m/day (not exceeding 1,05,600 cu.m/year) through dewatering the mine seepage on account of mining intersecting the water table. The total withdrawal should not exceed 2,747 cu.m/day (not exceeding 9,06,510 cu.m/year). No additional dewatering and ground water abstraction structures shall be constructed for this purpose without prior approval of the CGWA. Any unexpected variation in inflow of ground water into the mine pit should be reported to the concerned Regional Director, Central Ground Water Board, Western Region, Jaipur.
2. The dewatering structures as well as borewells shall be fitted with digital water meters by the firm at its own cost and monitoring of monthly ground water abstraction data shall be recorded in a log book. Compliance to this condition shall be reported within one month from the date of issue of this letter.
3. M/s J. K. Cement Works, shall, continue to implement ground water recharge measures to the tune of 18,85,460 m<sup>3</sup>/year for augmenting the ground water resources of the area. Firm shall also undertake periodic maintenance of recharge structures at its own cost.

18/11, Jamnagar House, Mansingh Road, New Delhi-110011

Phone : (011) 23383561 Fax : 23382051, 23386743

Website: www.cgwa.noc.gov.in

संयुक्त सुरक्षित जल - सुन्दर सुशासन कल

CONSERVE WATER . SAVE LIFE

Sn' SK Acharya



Regional Director

File No:- 21-4(34)/WR/CGWA/2016 - 1054

भारत सरकार  
केन्द्रीय भूमि जल प्राधिकरण  
जल संसाधन, नदी विकास  
और गंगा संरक्षण मंत्रालय

Government of India  
Central Ground Water Authority  
Ministry of Water Resources,  
River Development & Ganga Rejuvenation

Dated:- 28 MAY 2018

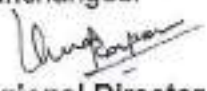
✓  
To

M/s J. K. Cement Works,  
Kailash Nagar, Nimbahera,  
Chittorgarh, Rajasthan - 312617

**Sub:- Corrigendum of NOC for ground water withdrawal to M/s J. K. Cement Works, in respect of their existing Cement Plant located at Nimbahera and Limestone mining at Tilakhera & Nimbahera – Ahirpura Village, Block Nimbahera, District Chittorgarh, Rajasthan – reg.**

In partial modification of the Renewal of NOC for ground water withdrawal issued vide letter no. 21-4(34)/WR/CGWA/2016 – 907 dated 14.05.2018, the NOC issued by this office for a period of five (5) years may be read as 'two (2) years' from the date of issue of NOC. The NOC will therefore be, valid till 13.05.2020.

All other items, terms and conditions mentioned in the NOC issued vide letter No. 21-4(34)/WR/CGWA/2016 – 907 dated 14.05.2018 shall remain unchanged.

  
Regional Director

Copy to:

1. The Member Secretary, Rajasthan State Pollution Control Board, 4, Institutional Area, Jhalana Doongri, Jaipur, Rajasthan - 302004 with a request to ensure that the conditions mentioned in the NOC are complied by the firm in consultation with the District Collector, District Chittorgarh, Rajasthan.
2. The District Collector, District Chittorgarh, Rajasthan for necessary action.
3. The Regional Director, Central Ground Water Board, Western Region, Jaipur.
4. Guard File 2018-19.

  
Regional Director

18/11, Jamnagar House, Mansingh Road, New Delhi-110011

Phone : (011) 23383561 Fax : 23382051, 23386743

Website: www.cgwa.noc.gov.in

सवच्छ सुरक्षित जल - सुन्दर सुस्थल कल

CONSERVE WATER - SAVE LIFE




4. The firm shall continue to execute ground water level monitoring during January, May, August & November in and around the project area by establishing key wells in core and buffer zone. The firm shall construct four (4) observation wells (piezometers) along the periphery of mine pit and install digital water level recorders having telemetry system in one of the piezometers for monthly monitoring and firm shall share the user ID and password of the telemetry system with the Regional Director, Central Ground Water Board, Western Region, Jaipur. Firm shall also take up impact assessment studies on the ambient ground water regime due to ground water abstraction and mine dewatering.
5. The ground water quality shall be monitored once in a year during pre monsoon period.
6. The ground water monitoring data in respect of S. No. 2, 4 & 5 shall be submitted to the Regional Director, Central Ground Water Board, Western Region, Jaipur on regular basis at least once in a year.
7. The firm shall ensure proper recycling and reuse of waste water after adequate treatment.
8. Action taken report in respect of S.N o. 1 to 7 shall be submitted to CGWA within one year period.
9. The NOC is liable to be cancelled in case of non-compliance of any of the conditions as mentioned in S. No. 1 to 8.
10. This NOC is subject to prevailing Central/State Government rules/laws or Court orders related to construction of tubewell/ground water withdrawal/construction of recharge or conservation structures/discharge of effluents or any such matter as applicable.
11. This NOC does not absolve the applicant / proponent of his obligation / requirement to obtain other statutory and administrative clearances from other statutory and administrative authorities.
12. The NOC does not imply that other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would consider the project on merits and be taking decisions independently of the NOC.

  
Member Secretary

Copy to:

1. The Member Secretary, Rajasthan State Pollution Control Board, 4, Institutional Area, Jhalana Doongri, Jaipur, Rajasthan - 302004 with a request to ensure that the conditions mentioned in the NOC are complied by the firm in consultation with the District Collector, District Chittorgarh, Rajasthan.
2. The District Collector, District Chittorgarh, Rajasthan for necessary action.
3. The Regional Director, Central Ground Water Board, Western Region, Jaipur. This has reference to your recommendation dated 18/04/2016.
4. Guard File 2018-19.

  
Member Secretary







# JK Cement LTD.

CIN : L17229UP1994PLC017199

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

Phone : +91-1477-220086, 220087  
Fax : +91-1477-220027, 220049  
E-mail : jkc.nbh@jkcement.com  
Web : www.jkcement.com

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

NBH/PC/A/CGWA/15/ *SB 26*

Date: 12.02.2020

To,  
The Regional Director  
Central Ground Water Board  
Western Region  
6-A, Jhalana Doongri, Jaipur, Rajasthan

Subject- Regarding for Renewal of NOC for Ground Water withdrawal of M/s J.K. Cement Works, in respect of the existing Cement Plant located at Nimbahera and Limestone Mining at Nimbahera- Ahirpura and Tilakhara, Block Nimbahera, District Chittorgarh, Rajasthan.

Reference - File No.: 21-4(34)/WR/CGWA/2005-907 dated 14.05.2018 and amended by 21-4(34)/WR/CGWA/2016-1054 dated 28.05.2018.

Sir,

In the connection with above cited subject, we are herewith submitting the renewal application along with all relevant documents for obtaining NOC for Ground Water withdrawal, 2747 m<sup>3</sup>/day for your kind consideration.

We request you to kindly accept and grant renewal application at earliest and oblige.

Thanking You.

Yours faithfully,

M/s. J.K. Cement Works

*[Signature]*

**S. K. SETHI**  
President & Joint Head  
(Authorized Signatory) J.K. Cement Works, NIMBAHERA



*[Signature]*

Encl.: Annexure - I CTO of Plant, Mine & Colony

Annexure - II Borewells with photographs

Annexure - III Mine cross-sections showing benches and present working depth

Annexure - IV Surface Plan

Annexure - V Water sample analysis of mine area and water level data from April 2017 to January 2020

Annexure - VI Piezometers and RWH Structures

Annexure - VII Chemical analysis of tubewell water January 2017 to January 2020

Annexure - VIII STP

Annexure - IX Location Plan of Borewell and RWH

Annexure - X Mining Plan

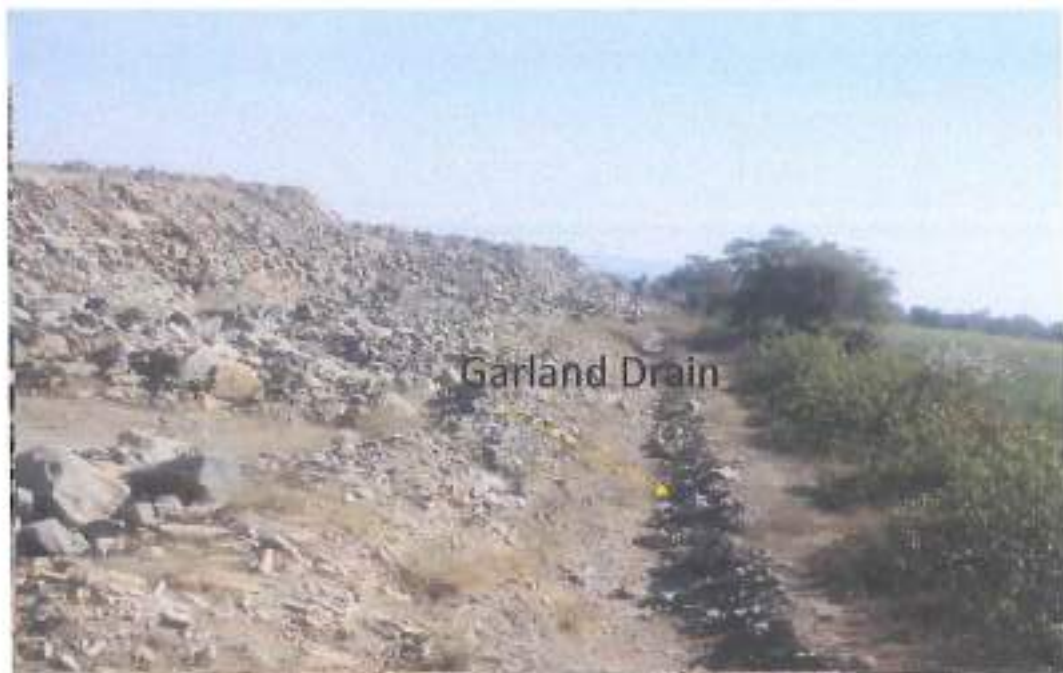
Corporate & Registered Office : Kamla Tower, Kanpur-208001, (U. P.) INDIA  
Phone : +91-512-2371478 to 81 Fax : 2399854 E-mail : ho.gray@jkcement.com



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

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





Garland Drain near Subgrade Dump



Siltation pond along with Check  
dam to prevent Siltation



GROUND VIBRATION DETAILS(MANGROL-TILAKHERA MINES)							
PERIOD :- April-20 to September-20							
S.NO	DATE	LOCATON OF BLASTING	APPROX. DIST.OF INSTRUMENT FROM BLAST	NO OF HOLES	CHARGE PER DELAY KGS.	PVS MM/SEC.	ACCESSORIES USED IN BLASTING
1	13.05.2020	BENCH=IVE , BID=6-1	300M NORTH SITE	16	37.84KG	2.555	NONELS
2	15.05.2020	BENCH=IIIE , BID=2-1	300M NORTH SITE	16	37.89KG	2.829	NONELS
3	18.05.2020	BENCH=IVE , BID=3-5	300M NORTH SITE	9	37.91KG	1.315	NONELS
4	19.05.2020	BENCH=VE, BID=3-8	300M EAST SITE	12	25.69KG	1.629	NONELS
5	26.05.2020	BENCH=IVE, BID=14-2	NEAR SAHABAD SCHOOL	8	28.82KG	1.063	NONELS
6	31.05.2020	BENCH=IE, BID=3-17	300M NORTH SITE	16	27.93KG	1.142	NONELS
7	05.06.2020	BENCH=IIIE , BID=17-1	NEAR SAHABAD SCHOOL	8	32.0KG	1.526	NONELS
8	12.06.2020	BENCH=IVE, BID=14-3	300M TOWARDS VILLAGE	9	32.7KG	1.96	NONELS
9	16.06.2020	BENCH=IE, BID=5-1	300M NORTH SITE	20	31.95KG	2.82	NONELS
10	21.06.2020	BENCH=VE, BID=6-14	300M NORTH SITE	15	28.70KG	1.324	NONELS
11	22.06.2020	BENCH=VS, BID=5-2	300M EAST FROM FACE	23	19.3KG	2.885	NONELS
12	26.06.2020	BENCH=IVE, BID=15-9	300M TOWARDS VILLAGE	10	31.94KG	1.117	NONELS
13	02.07.2020	BENCH=VE , BID=14-5	NEAR SAHABAD SCHOOL	18	50.91KG	1.843	M.S.D.D
14	09.07.2020	BENCH=VVE , BID=5-5	300M NORTH SITE	18	22.22KG	1.662	NONELS
15	12.07.2020	BENCH=IE , BID=2-19	300M NORTH SITE	18	29.66KG	2.191	NONELS
16	14.07.2020	BENCH=VS, BID=16-7	300M EAST SITE	10	35KG	1.072	NONELS
17	19.07.2020	BENCH=IS, BID=16-8	200M SE FROM FACE	13	31.1KG	1.616	NONELS
18	25.07.2020	BENCH=IE, BID=14-9	300M NORTH SITE	17	26.0KG	1.414	NONELS
19	31.07.2020	BENCH=IVE , BID=15-11	250M FROM FACE	13	29.29KG	1.208	NONELS
20	01.08.2020	BENCH=IIIE, BID=0-5	250M FROM FACE	10	30.0KG	1.516	NONELS
21	06.08.2020	BENCH=IE, BID=18-4	NEAR SAHABAD SCHOOL	10	32.8KG	1.993	NONELS
22	09.08.2020	BENCH=IIS, BID=17-7	300M NORTH SITE	7	34.43KG	1.815	NONELS

23	11.08.2020	BENCH=IIE, BID=3-23	300M EAST FROM FACE	12	26.94KG	1.88	NONELS
24	15.08.2020	BENCH=V BID=0-8	300M TOWARDS VILLAGE	20	28.33KG	1.582	NONELS
25	18.08.2020	BENCH=IIE, BID=18-7	250M FROM FACE	9	33.33KG	1.852	NONELS
26	31.08.2020	BENCH=IVS, BID=16-31	NEAR SAHABAD SCHOOL	9	28.0KG	1.753	NONELS
27	08.09.2020	BENCH=IIE, BID=3-35	250M FROM FACE	12	32.75KG	2.212	NONELS
28	11.09.2020	BENCH=IIE, BID=3-36	300M FROM FACE	21	28.92KG	0.994	NONELS
29	15.09.2020	BENCH=IVE, BID=1-17	300M FROM FACE	16	34.62KG	1.576	NONELS
30	18.09.2020	BENCH=IIE, BID=17-16	300M FROM FACE	9	30.55KG	1.217	NONELS

PARAS POKHRNA  
BLASTING INCHARGE

  
LAL SINGH POKHARNA  
MINES MANAGER

Photograph of Wet drilling system.



**Wet drilling at Mangrol – Tilakhera Limestone Mine**



Photographs of Water sprinkling on haul road during loading & unloading etc.



**Water Sprinkling on Haul Road**



**Sprinkling of water at loading area**



**J.K. CEMENT WORKS , MANGROL**  
**Mangrol-Tilakhera Limestone Mines**  
**PUC Certificate Details**

Date:- 22/10/2020

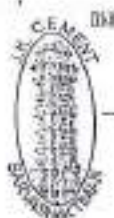
Sr. No.	Tipper Reg. No.	Make	Year	PUC No.	Validity Upto
1	RJ09GB8328	ASHOK-LEYLAND	2014	D34RJ09100072	15.12.2020
2	RJ09GB8628	ASHOK-LEYLAND	2014	D34RJ09100070	15.12.2020
3	RJ09GB8928	ASHOK-LEYLAND	2015	D34RJ09100092	16.12.2020
4	RJ09GB7828	ASHOK-LEYLAND	2014	D9RJ09104533	04.11.2020
5	RJ09GB2528	ASHOK-LEYLAND	2015	D34RJ09100068	15.12.2020
6	RJ09GB2728	ASHOK-LEYLAND	2015	D34RJ09100081	16.12.2020
7	RJ09GB2828	ASHOK-LEYLAND	2015	D34RJ09100086	16.12.2020
8	RJ09GB5028	ASHOK-LEYLAND	2016	D34RJ09100079	16.12.2020
9	RJ09GB1928	ASHOK-LEYLAND	2015	D34RJ09100094	16.12.2020
10	RJ09GC0028	ASHOK-LEYLAND	2018	D34RJ09100065	15.12.2020
11	RJ09GB9928	ASHOK-LEYLAND	2017	D34RJ09100083	16.12.2020
12	RJ09GC0128	ASHOK-LEYLAND	2017	D34RJ09100098	16.12.2020
13	RJ09GC0228	ASHOK-LEYLAND	2017	D34RJ09100031	13.12.2020
14	RJ09GC9152	ASHOK-LEYLAND	2020	All new vehicles purchased in 2020	
15	RJ09GC9153	ASHOK-LEYLAND	2020		
16	RJ09GC9155	ASHOK-LEYLAND	2020		
17	RJ09GC9156	ASHOK-LEYLAND	2020		
18	RJ09GC9198	ASHOK-LEYLAND	2020		

**JITENDRA KUMAR NAGAR**  
**ENGINEER (MINES)**

  
**L.S. POKHARNA**  
**DGM (MINES)**

### Rain Water Harvesting in Mangrol-Tilakhera Mine pit





# JK Cement LTD.

CIN : L17228UP1994PLC017199

ISO 9001:2008, ISO 14001:2004 & OHSAS 18001 : 2007 CERTIFIED COMPANY  
MGR/PC/14/C11/ 322 Regd. AD.

Phone : +91-1477-220088, 220087  
Fax : +91-1477-220027, 220049  
E-mail : jkc.nbh@jkcement.com  
Web : www.jkcement.com

J.K. Cement Works, Mangrol  
C/o. Kallash Nagar-312617, Nimbahera  
Distt. Chittorgarh (Raj.) INDIA

Date: 07.10.2020

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

Subject: Compliance to General condition No. B ( XII) of Environmental Clearance.

Dear Sir,

Kindly refer Environmental Clearance letter no. J - 11015/25/2011/IA. II (M) dated. 23<sup>rd</sup> January 2014 of our Tilakhera LimeStone Mine. We are enclosing herewith ground water level & water quality data of Monsoon season (August' 2020) with respect to General Condition No. B (XII) of above referred letter. This is for your reference & record.

Thanking you,

Yours Faithfully  
For J.K. Cement Works, Mangrol

Anil Kumar Jain  
Sr. General Manager- Environment

Encl: as above

Copy :

- 1) The Director, Ministry of Environment and Forest,  
Regional Office (Central Region),  
Kendriya Bhawan, 5<sup>th</sup> Floor, Sector 'H', ALIGANJ,  
LUCKNOW-226020 (U.P.)
- 2) The Member Secretary,  
Central Ground Water Authority,  
Ministry of Water Resources (G.O.I.),  
16/11, Jan Nagar House, Mansingh Road  
NEW DELHI- 110011
- 3) The Regional Director,  
Central Ground Water Board (Western Region),  
Jhalana Dungri Institutional Area,  
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, Golan  
J. K. Cement Works, Jharsi

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



**Hydrological Studies.**

**Details of the Piezometric Level During August 2020**

**Mangrol-Tilakhera Limestone Mine**

S. No.	Location	Hole No.	Depth of Hole (in Mts.)	Depth of the water column from surface as on 02.08.2020
1.	South of pit no.1	T/PZ1	75.00	Not in operation
2.	South west of pit no.1	T/PZ2	75.00	24.0 m
3.	West of pit no. 1	T/PZ3	75.00	Not in operation
4.	Northwest of pit no.1	T/PZ4	74.09	20.40 m
5.	South of pit No. 1	T/PZ5 (*New)	75.00	37.29 m
6.	West of pit 1	T/PZ6 (**New)	75.00	23.30 m

Note :- Piezo hole No. -- T/PZ5 (\*New) -- Newly drilled in place of T/PZ1

T/PZ6 (\*\*New) -- Newly drilled in place of T/PZ3





# Mitra S.K. Private Limited

Shreeji Center (5th Floor)  
74B, Acharya Jagadish Chandra Bose Road  
Kolkata - 700 016, West Bengal India  
CIN: U51909WB1950PTC023037



TESTING • INSPECTION

T: 91 33 22172240 / 40143000 / 22650606 / 22660607  
F: 91 33 22650606  
E: info@mitras.com  
W: www.mitrask.com

## TEST REPORT

Name & Address of the Customer :  
J.K. Cement Works, Mangrol  
C/o Kailash Nagar - 712617  
Mangrol - Dist. Chittorgarh ( Raj.)

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

Report No. : MSK/UDR/2020-21/709

Date : 23.09.2020

Sample No. : MSKCL/ED/2020-21/09/00001

Sample Description : Ground Water from Tube well

Sample Mark : Tilakbera Line Stone Mine

Date of Sampling : 11.08.2020

### 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; Rfim: 2012	7.63
2.	Conductivity at 25°C in $\mu\text{mhos/cm}$	---	---	IS 3025 (Part 14)- 2013	817.0
3.	Colour in Hazen	5	15	IS 3025 (Part 4)-1983; Rfim:2002	<1.0
4.	Odour	Agreeable	Agreeable	IS 3025 (Part 5)-1983 Rfim:2012	Agreeable
5.	Turbidity in N.T.U	1	5	IS 3025 (Part 10)-1984 Rfim: 2012	<1.0
6.	Total Dissolved Solids in mg/l	500	2000	IS 3025 (Part 16)-1984; Rfim:2002	500.0
7.	Total Suspended Solids in mg/l	---	---	IS 3025 (Part 24)-1986; Rfim:2009	<2.5
8.	Total Hardness as $\text{CaCO}_3$ in mg/l	200	600	IS 3025 (Part 21)-2013	298.0
9.	Calcium as Ca in mg/l	75	200	IS 3025 (Part 40)- 1991 Rfim: 2009	92.0
10.	Magnesium as Mg in mg/l	30	100	IS 3025 (Part 46)-1994 Rfim: 2009	13.0
11.	Total Alkalinity as $\text{CaCO}_3$ in mg/l	200	600	IS 3025 (Part 23)- 1986 Rfim: 2009	264.0
12.	Chloride as Cl in mg/l	250	1000	IS 3025 (Part 32)-1988 Rfim: 2009	54.0
13.	Oil & Grease in mg/l	---	---	IS 3025 (Part 39)-Rfim: 2009	<1.4
14.	Fluoride as F in mg/l	1.0	1.5	IS 3025 (Part 60)- 2008 Rfim: 2013	0.37
15.	Iron as Fe in mg/l	0.3	No relaxation	IS 3025 (Part 53)-1988 Rfim: 2009	<0.05

Checked By:

For Mitra S.K. Pvt. Ltd

Authorized Signatory

J.K. CEMENT WORKS, NIMBAHERA (RAJ)  
THERMAX LIMITED (O&M)  
WATER ANALYSIS REPORT



Date of sampling: 10.08.2020

Sample collected by: J.K. Cement works, Nimbahera

Sample Location : C. Mangrol - Tilakhera Limestone Mine

Sample name :->		Hand pump (shahbad) water sample
Parameters	Unit	
Colour		Clear
Odour		Natural
pH		7.48
Total hardness	ppm	280
Ca++ hardness	ppm	192
Mg++ hardness	ppm	88
Conductivity	µs/cm	690
TDS	ppm	414
S.S.	ppm	32
Chlorides	ppm	36
Turbidity	NTU	11.24
M - Alk.	ppm	216

(Sr. Chemist)

(Srn. Manager)

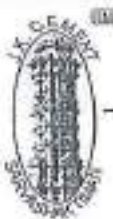


Hydrological data of representative wells of Mangrol - Tilakhara Limestone Mine. (During Monsoon. Aug. 2020)

S. No.	Village	Owner	Coordinates		Depth of well (M)	Dia. Of well (M)	Depth of water During Monsoon (M)	Type of Aquifer	Mode of Pumping	Yield Cu.M. / Day	Use
			NORTHING	EASTING							
1.	Chandkhara	Sh. Mathura Lal	24°34' 42.1"	74°41' 39.9"	24.5	5.10	21.90	Shales	-	-	Irrigation
2.	Laxmipura	Sh. Ghisu Lal	24°40' 15.0"	74°38' 48.5"	15.0	2.30	12.45	Limestone	-	-	Irrigation
3.	Fachar	Sh. Chaman Lal	24°40' 29.3"	74°38' 30.2"	30.0	3.10	25.07	Shales	Manual	-	Irrigation
4.	Muriya	Sh. Punam Chand	24°41' 11.3"	74°38' 51.1"	15.0	3.00	10.11	Limestone	Manual	-	Irrigation
5.	Borekheri	Sh. Mohan Lal	24°38' 34.1"	74°44' 03.2"	20.0	3.95	15.69	Limestone	EM	180	Irrigation
6.	Rathajana	Sh. Megh Raj	24°38' 48.2"	74°45' 22.1"	25.2	3.72	16.69	Shales	-	-	Irrigation
7.	Mangrol	Sh. Malaji Gayari	24°41' 43.4"	74°38' 04.7"	12.2	3.08	10.47	Limestone	DE	160	Irrigation
8.	Tilakhara	Sh. Kailash Singh	24°42' 41.1"	74°42' 01.1"	14.2	2.84	10.49	Limestone	EM	200	Irrigation
9.	Unkhiya	Sh. Bheru Lal	24°43' 53.4"	74°40' 42.1"	18.0	3.32	15.05	Limestone	EM	180	Irrigation
10.	Facher Solanki	Sh. Bhagwat Singh	24°45' 32.2"	74°40' 55.0"	12.0	3.71	10.48	Limestone	-	-	Irrigation
11.	Sagriya	Sh. Farjand Bhai	24°36' 34.6"	74°39' 48.0"	20.4	2.95	15.26	Shales	-	-	Irrigation
12.	Sentaliya	Sh. Bhanwar Singh	24°34' 31.1"	74°42' 02.4"	23.2	7.85	16.10	Shales	-	-	Irrigation
13.	Tal Khara	Sh. Bheru Lal	24°43' 40.9"	74°41' 49.9"	22.0	2.46	16.27	Limestone	EM	160	Irrigation
14.	Motha	Sh. Jagannath	24°41' 54.8"	74°42' 28.1"	13.5	5.22	11.18	Limestone	-	-	Irrigation
15.	Amiya Joshi	Sh. Nathu Lal Charen	24°42' 23.8"	74°42' 32.3"	15.0	3.20	8.75	Limestone	DE	180	Irrigation
16.	Tal	Sh. Prabhu Lal	24°43' 58.9"	74°43' 11.3"	15.0	2.52	10.67	Limestone	DE	160	Irrigation
17.	Kherabad	Sh. Bherulal Kumawat	24°34' 14.6"	74°41' 22.2"	30.2	4.83	21.94	Shales	EM	-	Irrigation
18.	Sarthal	Sh. Bhajia Ba	24°44' 53.2"	74°43' 18.1"	12.2	2.62	9.54	Limestone	Manual	-	Irrigation
19.	Kriparam Kheri	Sh. Nana Lal Jetpal	24°43' 01.3"	74°43' 39.6"	15.8	3.06	11.90	Limestone	DE	180	Irrigation
20.	Ranikhara	Sh. Tabiq Khan	24°35' 51.8"	74°40' 02.2"	24.8	3.14	18.14	Shales	EM	-	Irrigation
21.	Arnoda	Sh. Bholi Ram	24°42' 19.4"	74°44' 47.7"	18.0	3.20	15.25	Shales	DE	180	Irrigation
22.	Shahbad	Sh. Champa Lal	24°41' 26.4"	74°41' 42.0"	22.0	3.02	16.82	Limestone	-	-	Irrigation
23.	Sankhlon Ka Khara	Sh. Ram Chandra Jat	24°40' 40.7"	74°41' 47.1"	25.0	2.80	22.16	Limestone	-	-	Irrigation
24.	Badoli Ghata	Sh. Chatarbhuji	24°40' 04.8"	74°42' 10.3"	20.0	3.82	15.68	Limestone	Manual	-	Irrigation
25.	Karthana	Sh. Uma Shanker	24°38' 13.8"	74°42' 00.5"	15.0	5.12	12.80	Limestone	-	-	Irrigation
26.	Nimbahera	Sh. Badri Lal	24°37' 57.1"	74°41' 40.3"	19.0	4.15	16.01	Limestone	EM	-	Irrigation
27.	Charfiya	Sh. Mathuralal	24°34' 23.4"	74°43' 25.9"	20.2	6.20	16.37	Shales	EM	-	Irrigation
28.	Kalyanpura	Sh. Nanu Ramji	24°36' 42.0"	74°42' 54.5"	25.2	4.92	16.78	Limestone	EM	60	Irrigation
29.	Manda	Sh. Kalu Rawat	24°35' 05.5"	74°40' 23.7"	25.2	2.9	19.14	Shales	-	-	Irrigation
30.	Gadola	Sh. Ganeshlal	24°37' 34.0"	74°44' 14.2"	25.0	5.60	16.82	Limestone	Manual	-	Irrigation

*(Signature)*





# JK Cement LTD.

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

J.K. Cement Works, Mangrol  
C/o. Kallash Nagar-312617, Nimbahera  
Distt. Chittorgarh (Raj.) INDIA

CIN : L17229UP1994PLC017199

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

Ref. No.: MGR/PC/14/C11/

Regd. AD.

Date: 10.06.2020

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

**Subject: Compliance to General condition No. B ( XII) of Environmental Clearance.**

Dear Sir,

Kindly refer Environmental Clearance letter no. J – 11015/25/2011/IA. II (M) dated. 23<sup>rd</sup> January 2014 of our Tilakhera Lime Stone Mine. We are enclosing herewith ground water level & water quality data of Pre Monsoon (April-May' 2020) in response to the Clearance General Condition No. B (XII) of above referred letter for your reference & record.

Thanking you,

Yours Faithfully  
For J.K. Cement Works, Mangrol

*S.K. Acharya*

Head (Environment & Power management)

Encl: a/a

Copy to :

The Director, Ministry of Environment and Forest,  
Regional Office (Central Region),  
Kendriya Bhawan, 5<sup>th</sup> Floor, Sector 'H', ALIGANJ,  
LUCKNOW-226020 (U.P.)

The Member Secretary,  
Central Ground Water Authority,  
Ministry of Water Resources (G.O.I.),  
16/11, Jam Nagar House, Mansingh Road  
NEW DELHI- 110011

The Regional Director,  
Central Ground Water Board (Western Region),  
Jhalana Dungri Institutional Area,  
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, Golan  
J. K. Cement Works, Jharli

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



**Hydrological data of representative wells of Mangrol - Tilakhera Limestone Mine, (During Pre-Monsoon, April - May, 2020)**

S. No.	Village	Owner	Coordinates		Depth of well (M)	Dia. Of well (M)	Depth of water During Pre-Monsoon (M)	Type of Aquifer	Mode of Pumping	Yield Cu.M. / Day	Use
			NORTHING	EASTING							
1.	Chandkhara	Sh. Mathura Lal	24°34' 42.1"	74°41' 39.9"	24.5	5.10	24.04	Shales	-	-	Irrigation
2.	Laximpura	Sh. Ghisu Lal	24°40' 15.0"	74°39' 48.6"	15.0	2.30	14.71	Limestone	-	-	Irrigation
3.	Fachar	Sh. Chaman Lal	24°40' 29.3"	74°39' 30.2"	30.0	3.10	24.54	Shales	Manual	-	Irrigation
4.	Muriya	Sh. Punam Chand	24°41' 11.3"	74°38' 51.1"	15.0	3.00	12.97	Limestone	Manual	-	Irrigation
5.	Borekheri	Sh. Mohan Lal	24°38' 34.1"	74°44' 03.2"	20.0	3.95	16.04	Limestone	EM	180	Irrigation
6.	Rathajana	Sh. Megh Raj	24°38' 48.2"	74°45' 22.1"	25.2	3.72	20.02	Shales	-	-	Irrigation
7.	Mangrol	Sh. Malaji Gayari	24°41' 43.4"	74°39' 04.7"	12.2	3.08	10.71	Limestone	-	-	Irrigation
8.	Tilakhera	Sh. Kailash Singh	24°42' 41.1"	74°42' 01.1"	14.2	2.84	12.24	Limestone	EM	200	Irrigation
9.	Unkhaliya	Sh. Bheru Lal	24°43' 53.4"	74°40' 42.1"	18.0	3.32	14.89	Limestone	EM	180	Irrigation
10.	Facher	Sh. Bhagwat Singh	24°45' 32.2"	74°40' 55.0"	12.0	3.71	11.61	Limestone	-	-	Irrigation
11.	Solanki	Sh. Farjend Bhai	24°36' 34.6"	74°39' 48.0"	20.4	2.95	18.55	Shales	-	-	Irrigation
12.	Sagriya	Sh. Bhanwar Singh	24°34' 31.1"	74°42' 02.4"	23.2	7.85	20.16	Shales	-	-	Irrigation
13.	Semaliya	Sh. Bheru Lal	24°43' 40.9"	74°41' 49.9"	22.0	2.46	16.68	Limestone	EM	160	Irrigation
14.	Tal Khara	Sh. Jaganath	24°41' 54.8"	74°42' 28.1"	13.5	5.22	12.94	Limestone	-	-	Irrigation
15.	Motha	Sh. Nathu Lal Charan	24°42' 23.6"	74°42' 32.3"	15.0	3.20	11.95	Limestone	DE	180	Irrigation
16.	Amiya Joshi	Sh. Prabhu Lal	24°43' 56.9"	74°43' 11.3"	15.0	2.52	13.70	Limestone	DE	160	Irrigation
17.	Tai	Sh. Bherulal Kumawat	24°34' 14.6"	74°41' 22.2"	30.2	4.83	21.66	Shales	EM	140	Irrigation
18.	Kherabad	Sh. Bhejia Ba	24°44' 53.2"	74°43' 18.1"	12.2	2.62	11.66	Limestone	-	-	Irrigation
19.	Sarthal	Sh. Nana Lal Jetpal	24°43' 01.3"	74°43' 39.6"	15.8	3.06	12.11	Limestone	DE	180	Irrigation
20.	Kriparam	Sh. Tabiq Khan	24°35' 51.8"	74°40' 02.2"	24.8	3.14	18.48	Shales	EM	180	Irrigation
21.	Kheri	Sh. Bholi Ram	24°42' 19.4"	74°44' 47.7"	18.0	3.20	14.85	Shales	DE	180	Irrigation
22.	Amoda	Sh. Champa Lal	24°41' 26.4"	74°41' 42.0"	22.0	3.02	20.43	Limestone	-	-	Irrigation
23.	Shahbad	Sh. Ram Chandra Jat	24°40' 40.7"	74°41' 47.1"	25.0	2.80	23.91	Limestone	-	-	Irrigation
24.	Sankhlon Ka Khara	Sh. Chatarbhuji	24°40' 04.8"	74°42' 10.3"	20.0	3.82	18.93	Limestone	Manual	-	Irrigation
25.	Badoli Ghata	Sh. Uma Shanker	24°39' 13.8"	74°42' 00.5"	15.0	5.12	14.29	Limestone	-	-	Irrigation
26.	Karthana	Sh. Badri Lal	24°37' 57.1"	74°41' 40.3"	19.0	4.15	17.27	Limestone	EM	-	Irrigation
27.	Nimbahera	Sh. Mathuralal	24°34' 23.4"	74°43' 25.9"	20.2	6.20	17.19	Shales	EM	140	Irrigation
28.	Charliya	Sh. Nanu Ramli	24°36' 42.0"	74°42' 54.5"	25.2	4.92	19.58	Limestone	EM	60	Irrigation
29.	Kalyanpura	Sh. Kalu Rawat	24°35' 05.5"	74°40' 23.7"	25.2	2.9	20.27	Shales	-	-	Irrigation
30.	Manda	Sh. Geneshlal	24°37' 34.0"	74°44' 14.2"	25.0	5.60	19.85	Limestone	Manual	-	Irrigation



**J.K CEMENT WORKKS,NIMBAHERA(RAJ)  
THERMAX LIMITED(O&M)  
WATER ANALYSIS REPORT**



Date of sampling :29.05.2020

Sample Collected By: J.K.Cement Works,Nimbahera

Sample from :- Mangrol - Tilakhera Limestone Mine

Sample No.	Pit	Hand Pump (Shahbad Vill.)	Tube well
Particulars	(Surface Water)	(Underground Water)	(Underground Water)
Colour	Clear	Clear	Clear
Odour	Natural	Natural	Natural
PH	7.11	7.23	7.36
Total Hardness (PPM)	300	292	264
Ca++ Hardness (PPM)	262	252	240
Mg++ Hardness (PPM)	38	40	24
Conductivity (µ/cm)	851	740	772
T.D.S. (PPM)	610	444	463
S.S. (PPM)	41	40	43
Chlorides (PPM)	52	40	78
Turbidity (NTU)	0.52	0.8	0.7
M-alk (PPM)	292	266	212
Iron (Fe) (PPM)	ND	0.08	< 0.05
Flouride (F) (PPM)	0.7	ND	0.47
Oil & Grease (PPM)	0.9	ND	< 1.4

  
(Sr. Chemist)

  
(Stn. Manager)



**Hydrological Studies.**

**Details of the Piezometric Level During April-May 2020**

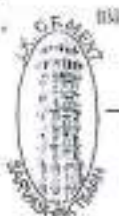
**Mangrol-Tilakhera Limestone Mine**

S. No.	Location	Hole No.	Depth of Hole (in Mts.)	Depth of the water column from surface as on 28.05.2020
1.	South of pit no.1	T/PZ1	75.00	Not in operation
2.	South west of pit no.1	T/PZ2	75.00	Dry
3.	West of pit no. 1	T/PZ3	75.00	Not in operation
4.	Northwest of pit no.1	T/PZ4	74.09	39.54 m
5.	South of pit No. 1	T/PZ5 (*New)	75.00	35.38 m
6.	West of pit 1	T/PZ6 (**New)	75.00	40.73 m

Note :- Piezo hole No. -- T/PZ5 (\*New) -- Newly drilled in place of T/PZ1

T/PZ6 (\*\*New) -- Newly drilled in place of T/PZ3





# JK Cement LTD.

CIN : L17229UP1994PLC017199

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

Ref. No.: MGR/PC/14/C11/ *WJA*

Regd. AD.

Date: 01.02.2020

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

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

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

**Subject: Compliance to General condition No. B (XII) of Environmental Clearance.**

Dear Sir,

Kindly refer Environmental Clearance letter no. J - 11015/25/2011/IA. II (M) dated. 23<sup>rd</sup> January 2014 of our **Tilakhera Lime Stone Mine**. We are enclosing herewith ground water level & water quality data of winter (January' 2020) in response to the Clearance General Condition No. B (XII) of above referred letter for your reference & record.

Thanking you,

Yours Faithfully  
For J.K. Cement Works, Mangrol

*S.K. Acharya*

Encl: n/a

*S.K. Acharya*  
S.K. Acharya

Head (Environment & Power management)

Copy to :

**The Director, Ministry of Environment and Forest,**  
Regional Office (Central Region),  
Kendriya Bhawan, 5<sup>th</sup> Floor, Sector 'H', ALIGANJ,  
LUCKNOW-226020 (U.P.)

**The Member Secretary,**  
Central Ground Water Authority,  
Ministry of Water Resources (G.O.I.),  
16/11, Jam Nagar House, Mansingh Road  
NEW DELHI- 110011

**The Regional Director,**  
Central Ground Water Board (Western Region),  
Jhalana Dungri Institutional Area,  
Jaipur - 302004 (Rajasthan)

Corporate & Registered Office : Kamla Tower, Kanpur-206001, (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



Hydrological Studies.

Details of the Piezometric Level During January 2020

**Mangrol-Tilakhera Limestone Mine**

S. No.	Location	Hole No.	Depth of Hole (in Mts.)	Depth of the water column from surface as on 15.01.2020
1.	South of pit no.1	T/PZ1	75.00	Not in operation
2.	South west of pit no.1	T/PZ2	75.00	16.45 m
3.	West of pit no. 1	T/PZ3	75.00	Not in operation
4.	Northwest of pit no.1	T/PZ4	74.09	19.80 m
5.	South of pit No. 1	T/PZ5 (*New)	75.00	24.12 m
6.	West of pit 1	T/PZ6 (**New)	75.00	21.10 m

Note :-- Piezo hole No. -- T/PZ5 (\*New) -- Newly drilled in place of T/PZ1

T/PZ6 (\*\*New) -- Newly drilled in place of T/PZ3





# Mitra S.K. Private Limited

Sirachi Center (5th Floor)  
74B, Ardhya Jagadish Chandra Bose Road  
Kolkata - 700 016, West Bengal India  
CIN: U51060WB1860PTC020337



T: 01 33 22172249 / 40143000 / 22650006 / 22650007  
F: 01 33 22650008  
E: info@mitrasr.com  
W: www.mitrask.com

## TEST REPORT

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

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

Report No. : MSK/UDR/2019-20/1561  
Date : 28.01.2020  
Sample No. : MSKGL/ED/2019-20/01/00344  
Sample Description : Ground Water from Tube well  
Sample Mark : Tilakhera Line Stone Mine  
Date of Sampling : 10.01.2020

### 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; Rfinc: 2012	7.2
2.	Conductivity at 25°C in $\mu\text{mhos/cm}$	---	---	IS 3025 (Part 14)- 2013	962.0
3.	Colour in Hazen	5	15	IS 3025 (Part 4)-1983; Rfinc:2002	<1.0
4.	Odour	Agreeable	Agreeable	IS 3025 (Part 5)-1983 Rfinc:2012	Unobjectionable
5.	Turbidity in N.T.U	1	5	IS 3025 (Part 10)-1984 Rfinc: 2012	1.4
6.	Total Dissolved Solids in mg/l	500	2000	IS 3025 (Part 16)-1984; Rfinc:2002	539.0
7.	Total Suspended Solids in mg/l	---	---	IS 3025 (Part 24)-1986; Rfinc:2009	<2.5
8.	Total Hardness as $\text{CaCO}_3$ in mg/l	200	600	IS 3025 (Part 21)-2013	440.0
9.	Calcium as Ca in mg/l	75	200	IS 3025 (Part 40)- 1991 Rfinc: 2009	150.0
10.	Magnesium as Mg in mg/l	30	100	IS 3025 (Part 46)-1994 Rfinc: 2009	15.4
11.	Total Alkalinity as $\text{CaCO}_3$ in mg/l	200	600	IS 3025 (Part 23)- 1985 Rfinc: 2009	283.0
12.	Chloride as Cl in mg/l	250	1000	IS 3025 (Part 32)-1988 Rfinc: 2009	66.0
13.	Oil & Grease in mg/l	---	---	IS 3025(Part 39)-Rfinc 2009	<3.0
14.	Fluoride as F in mg/l	1.0	1.5	IS 3025 (Part 60)- 2008 Rfinc: 2013	0.48
15.	Iron as Fe in mg/l	0.3	No relaxation	IS 3025 (Part 53)-1988 Rfinc: 2009	<0.05

checked By>



J.K. CEMENT WORKS, NIMBAHERA (RAJ)  
THERMAX LIMITED (O&M)  
WATER ANALYSIS REPORT

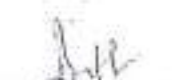


Date of sampling: 06.01.2020

Sample collected by: J.K. Cement works, Nimbaheera

Sample Location : C. Mangrol - Tilakhera Limestone Mine

Sample name :->		Pit water	Hand pump (shahbad) water sample
Parameters	Unit		
Colour		Clear	Clear
Odour		Natural	Natural
pH		7.58	7.55
Total hardness	ppm	360	244
Ca++ hardness	ppm	300	148
Mg++ hardness	ppm	60	96
Conductivity	µs/cm	827	330
TDS	ppm	496.2	198
S.S.	ppm	20	15
Chlorides	ppm	90	51
Turbidity	NTU	0.99	0.8
M ~ Alk.	ppm	200	216

  
(Sr. Chemist)

  
(Sr. Manager)



Hydrological data of representative wells of Mangrol - Tilakhera Limestone Mine, (During Winter, Jan. 2020)

S. No.	Village	Owner	Coordinates		Depth of well (M)	Dia. Of well (M)	Depth of water During Winter (M)	Type of Aquifer	Mode of Pumping	Yield Cu.M. / Day	Use
			NORTHING	EASTING							
1.	Chandkhara	Sh. Mathura Lal	24°34' 42.1"	74°41' 39.9"	24.5	5.10	21.85	Shales	-	-	Irrigation
2.	Laxmipura	Sh. Ghisu Lal	24°40' 15.0"	74°39' 48.6"	15.0	2.30	14.78	Limestone	-	-	Irrigation
3.	Fachar	Sh. Chaman Lal	24°40' 29.3"	74°39' 30.2"	30.0	3.10	23.36	Shales	Manual	-	Irrigation
4.	Murliya	Sh. Punam Chand	24°41' 11.3"	74°38' 51.1"	15.0	3.00	11.36	Limestone	Manual	-	Irrigation
5.	Borekheri	Sh. Mohan Lal	24°38' 34.1"	74°44' 03.2"	20.0	3.95	13.44	Limestone	EM	180	Irrigation
6.	Rathajana	Sh. Megh Raj	24°38' 48.2"	74°45' 22.1"	25.2	3.72	16.26	Shales	-	-	Irrigation
7.	Mangrol	Sh. Malaji Gayari	24°41' 43.4"	74°39' 04.7"	12.2	3.08	9.60	Limestone	DE	160	Irrigation
8.	Tilakhera	Sh. Kailash Singh	24°42' 41.1"	74°42' 01.1"	14.2	2.84	10.97	Limestone	EM	200	Irrigation
9.	Unkhiya	Sh. Bheru Lal	24°43' 53.4"	74°40' 42.1"	18.0	3.32	12.37	Limestone	EM	180	Irrigation
10.	Facher Solanki	Sh. Bhagwat Singh	24°45' 32.2"	74°40' 55.0"	12.0	3.71	11.90	Limestone	-	-	Irrigation
11.	Sagriya	Sh. Farjand Bhai	24°36' 34.6"	74°39' 48.0"	20.4	2.95	15.88	Shales	-	-	Irrigation
12.	Semaliya	Sh. Bhanwar Singh	24°34' 31.1"	74°42' 02.4"	23.2	7.85	17.58	Shales	-	-	Irrigation
13.	Tai Khara	Sh. Bheru Lal	24°43' 40.9"	74°41' 49.9"	22.0	2.46	13.58	Limestone	EM	160	Irrigation
14.	Motha	Sh. Jagannath	24°41' 54.8"	74°42' 28.1"	13.5	5.22	12.57	Limestone	-	-	Irrigation
15.	Amiya Joshi	Sh. Nathu Lal Charan	24°42' 23.8"	74°42' 32.3"	15.0	3.20	8.47	Limestone	DE	180	Irrigation
16.	Tai	Sh. Prabhu Lal	24°43' 56.9"	74°43' 11.3"	15.0	2.52	8.74	Limestone	DE	160	Irrigation
17.	Kherabad	Sh. Bherulal Kumawat	24°34' 14.6"	74°41' 22.2"	30.2	4.83	18.73	Shales	EM	140	Irrigation
18.	Sarhal	Sh. Bhajia Ba	24°44' 53.2"	74°43' 18.1"	12.2	2.62	7.49	Limestone	Manual	-	Irrigation
19.	Kriparam Khari	Sh. Nana Lal Jatpal	24°43' 01.3"	74°43' 38.6"	15.8	3.06	9.03	Limestone	DE	180	Irrigation
20.	Ranikhera	Sh. Tabiq Khan	24°35' 51.8"	74°40' 02.2"	24.8	3.14	11.48	Shales	EM	180	Irrigation
21.	Arnoda	Sh. Bholi Ram	24°42' 19.4"	74°44' 47.7"	18.0	3.20	12.61	Shales	DE	180	Irrigation
22.	Shahbad	Sh. Champa Lal	24°41' 28.4"	74°41' 42.0"	22.0	3.02	19.77	Limestone	-	-	Irrigation
23.	Sankhlon Khara	Sh. Ram Chandra Jat	24°40' 40.7"	74°41' 47.1"	25.0	2.80	22.41	Limestone	-	-	Irrigation
24.	Badoli Ghata	Sh. Chatarbhuji	24°40' 04.8"	74°42' 10.3"	20.0	3.82	16.69	Limestone	Manual	-	Irrigation
25.	Karthana	Sh. Uma Shanker	24°39' 13.8"	74°42' 00.5"	15.0	5.12	12.10	Limestone	-	-	Irrigation
26.	Nimbhera	Sh. Badri Lal	24°37' 57.1"	74°41' 40.3"	19.0	4.15	14.83	Limestone	EM	-	Irrigation
27.	Charliya	Sh. Mathuralal	24°34' 23.4"	74°43' 25.9"	20.2	6.20	14.51	Shales	EM	140	Irrigation
28.	Kalyanpura	Sh. Nenu Ramji	24°36' 42.0"	74°42' 54.5"	25.2	4.92	15.79	Limestone	EM	60	Irrigation
29.	Manda	Sh. Kalu Rawat	24°35' 05.5"	74°40' 23.7"	25.2	2.9	17.97	Shales	-	-	Irrigation
30.	Gadola	Sh. Ganeshlal	24°37' 34.0"	74°44' 14.2"	25.0	5.60	15.47	Limestone	Manual	-	Irrigation





**JK Cement LTD.**

CIN : L17229UP1994PLC017199

ISO 9001:2008, ISO 14001:2004 & OHSAS 18001 : 2007 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, Mangrol  
C/o. Kallash Nagar-312617, Nimbahera  
Distt. Chittorgarh (Raj.) INDIA

Ref. No.: MGR/PC/14/C11/

Regd. AD.

Date: 02.12.2019

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

Subject: Compliance to General condition No. B (XII) of Environmental Clearance.

Dear Sir,

Kindly refer Environmental Clearance letter no. J - 11015/25/2011/IA. II (M) dated, 23<sup>rd</sup> January 2014 of our Tilakhera Lime Stone Mine. We are enclosing herewith ground water level & water quality data of Post Monsoon (November-2019) in response to the Clearance General Condition No. B (XII) of above referred letter for your reference & record.

Thanking you,

Yours Faithfully  
For J.K. Cement Works, Mangrol

S.K. Acharya

Head (Environment & Power management)

Encl: a/a

Copy to:

The Director, Ministry of Environment and Forest,  
Regional Office (Central Region),  
Kendriya Bhawan, 5<sup>th</sup> Floor, Sector 'H', ALIGANJ,  
LUCKNOW-226020 (U.P.)

The Member Secretary,  
Central Ground Water Authority,  
Ministry of Water Resources (G.O.I.),  
16/11, Jam Nagar House, Mansingh Road  
NEW DELHI- 110011

The Regional Director,  
Central Ground Water Board (Western Region),  
Jhalana Dungri Institutional Area,  
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, Bantania  
J. K. Cement Works, Muddapur  
J. K. White Cement Works, Gotan  
J. K. White, Katni



Hydrological Studies.

Details of the Peizometric Level During November 2019

Mangrol-Tilakhera Limestone Mine

S. No.	Location	Hole No.	Depth of Hole (in Mts.)	Depth of the water column from surface as on 14.11.2019
1.	South of pit no.1	T/PZ1	75.00	Not in operation
2.	South west of pit no.1	T/PZ2	75.00	10.20 m
3.	West of pit no. 1	T/PZ3	75.00	Not in operation
4.	Northwest of pit no.1	T/PZ4	74.09	12.40 m
5.	South of pit No, 1	T/PZ5 (*New)	75.00	13.31 m
6.	West of pit 1	T/PZ6 (**New)	75.00	12.10 m

Note :- Piczo hole No. -- T/PZ5 (\*New) -- Newly drilled in place of T/PZ1

T/PZ6 (\*\*New) -- Newly drilled in place of T/PZ3



# Mitra S.K. Private Limited

Shreeji Center (5th Floor)  
74B, Acharya Jagadish Chandra Bose Road  
Kolkata - 700 046, West Bengal India  
CIN: U51900WB1956PTC023037



T: 91 33 22172249 / 40143000 / 22850006 / 22850007  
F: 91 33 22850000  
E: info@mitrask.com  
W: www.mitrask.com

## TEST REPORT

Name & Address of the Customer :

J.K. Cement Works, Mungrol

C/o Kailash Nagar - 312617

Nimbahera - Distt. Chittorgarh ( Raj.)

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

Report No. : MSKA/DR/2019-20/1269

Date : 26.11.2019

Sample No. : MSKCL/ED/2019-20/1180697

Sample Description : Ground Water from Tube well

Sample Mark : Tlokhera Line Stone Mine

Date of Sampling : 06.11.2019

### 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; Rfmm: 2012	7.54
2.	Conductivity at 25°C in $\mu\text{mhos/cm}$	---	---	IS 3025 (Part 14)- 2013	826.0
3.	Colour in Hazen	5	15	IS 3025 (Part 4)-1983; Rfmm:2002	<1.0
4.	Odour	Agreeable	Agreeable	IS 3025 (Part 5)-1983 Rfmm:2012	Unobjectionable
5.	Turbidity in N.T.U	1	5	IS 3025 (Part 10)-1984 Rfmm: 2012	<1.0
6.	Total Dissolved Solids in mg/l	500	2000	IS 3025 (Part 16)-1984; Rfmm:2002	532.0
7.	Total Suspended Solids in mg/l	---	---	IS 3025 (Part 24)-1986; Rfmm:2009	<2.5
8.	Total Hardness as $\text{CaCO}_3$ in mg/l	200	600	IS 3025 (Part 21)-2013	428.0
9.	Calcium as Ca in mg/l	75	200	IS 3025 (Part 40)- 1991 Rfmm: 2009	142.0
10.	Magnesium as Mg in mg/l	30	100	IS 3025 (Part 46)-1994 Rfmm: 2009	18.0
11.	Total Alkalinity as $\text{CaCO}_3$ in mg/l	200	600	IS 3025 (Part 23)- 1986-Rfmm: 2009	335.0
12.	Chloride as Cl in mg/l	250	1000	IS 3025 (Part 32)-1988 Rfmm: 2009	37.0
13.	Oil & Grease in mg/l	---	---	IS 3025 (Part 39)-Rfmm: 2009	<3.0
14.	Fluoride as F in mg/l	1.0	1.5	IS 3025 (Part 60)- 2008 Rfmm: 2013	0.47
15.	Iron as Fe in mg/l	0.3	No relaxation	IS 3025 (Part 53)-1988 Rfmm: 2009	<0.05

check by:





J.K. CEMENT WORKS, NIMBAHERA (RAJ)  
THERMAX LIMITED (O&M)  
WATER ANALYSIS REPORT



Date of sampling: 04.11.2019

Sample collected by: J.K. Cement works, Nimbahera

Sample Location : C. Mangrol - Tilakhera Limestone Mine

Sample name :->		Pit water	Hand pump (shahbad) water sample
Parameters	Unit		
Colour		Clear	Clear
Odour		Natural	Natural
pH		7.4	7.38
Total hardness	ppm	264	376
Ca++ hardness	ppm	136	208
Mg++ hardness	ppm	128	168
Conductivity	µs/cm	576	1008
TDS	ppm	345.6	604.8
S.S.	ppm	11	16
Chlorides	ppm	68	101
Turbidity	NTU	0.56	0.93
M - Alk.	ppm	240	372

  
(Sr. Chemist)

  
(Sta. Manager)

Hydrological data of representative wells of Mangrol - Tilakhera Limestone Mine, (During Post Monsoon, Nov. 2019)

S. No.	Village	Owner	Coordinates		Depth of well (M)	Dia. Of well (M)	Depth of water During Post-Monsoon (M)	Type of Aquifer	Mode of Pumping	Yield Cu.M. / Day	Use
			NORTHING	EASTING							
1.	Chandkhara	Sh. Mathura Lal	24°34' 42.1"	74°41' 39.9"	24.5	5.10	18.95	Shales	-	-	Irrigation
2.	Laxmipura	Sh. Ghisu Lal	24°40' 15.0"	74°39' 48.6"	15.0	2.30	14.45	Limestone	-	-	Irrigation
3.	Fachar	Sh. Chaman Lal	24°40' 29.3"	74°39' 30.2"	30.0	3.10	18.87	Shales	Manual	-	Irrigation
4.	Murliya	Sh. Punam Chand	24°41' 11.3"	74°38' 51.1"	15.0	3.00	8.38	Limestone	Manual	-	Irrigation
5.	Borekheri	Sh. Mohan Lal	24°38' 34.1"	74°44' 03.2"	20.0	3.95	9.35	Limestone	EM	180	Irrigation
6.	Rathajana	Sh. Megh Raj	24°38' 46.2"	74°45' 22.1"	25.2	3.72	11.32	Shales	-	-	Irrigation
7.	Mangrol	Sh. Malaji Gayari	24°41' 43.4"	74°39' 04.7"	12.2	3.08	6.37	Limestone	DE	160	Irrigation
8.	Tilakhera	Sh. Kailash Singh	24°42' 41.1"	74°42' 01.1"	14.2	2.84	7.71	Limestone	EM	200	Irrigation
9.	Unkhliya	Sh. Bheru Lal	24°43' 53.4"	74°40' 42.1"	18.0	3.32	8.03	Limestone	EM	180	Irrigation
10.	Facher Solanki	Sh. Bhagwat Singh	24°45' 32.2"	74°40' 55.0"	12.0	3.71	10.62	Limestone	-	-	Irrigation
11.	Sagriya	Sh. Farjand Bhai	24°36' 34.6"	74°39' 48.0"	20.4	2.95	14.20	Shales	-	-	Irrigation
12.	Semaliya	Sh. Bhanwar Singh	24°34' 31.1"	74°42' 02.4"	23.2	7.85	12.98	Shales	-	-	Irrigation
13.	Tai Khara	Sh. Bheru Lal	24°43' 40.9"	74°41' 49.9"	22.0	2.46	8.81	Limestone	EM	160	Irrigation
14.	Motha	Sh. Jaganath	24°41' 54.8"	74°42' 28.1"	13.5	5.22	10.29	Limestone	-	-	Irrigation
15.	Amriya Joshi	Sh. Nathu Lal Charan	24°42' 23.6"	74°42' 32.3"	15.0	3.20	4.44	Limestone	DE	180	Irrigation
16.	Tai	Sh. Prabhu Lal	24°43' 56.9"	74°43' 11.3"	15.0	2.52	4.55	Limestone	DE	160	Irrigation
17.	Kherabad	Sh. Bherulal Kumawat	24°34' 14.6"	74°41' 22.2"	30.2	4.83	13.62	Shales	EM	140	Irrigation
18.	Sarthal	Sh. Bhajia Ba	24°44' 53.2"	74°43' 18.1"	12.2	2.62	3.21	Limestone	Manual	-	Irrigation
19.	Kriparam Kheri	Sh. Nana Lal Jetpal	24°43' 01.3"	74°43' 39.6"	15.8	3.06	3.88	Limestone	DE	180	Irrigation
20.	Ranikhera	Sh. Tabig Khan	24°35' 51.8"	74°40' 02.2"	24.8	3.14	10.74	Shales	EM	180	Irrigation
21.	Armoda	Sh. Bhoji Ram	24°42' 19.4"	74°44' 47.7"	18.0	3.20	8.88	Shales	DE	180	Irrigation
22.	Shahbad	Sh. Champa Lal	24°41' 26.4"	74°41' 42.0"	22.0	3.02	17.23	Limestone	-	-	Irrigation
23.	Sankhlon Khara	Sh. Ram Chandra Jat	24°40' 40.7"	74°41' 47.1"	25.0	2.80	20.58	Limestone	-	-	Irrigation
24.	Baddi Ghata	Sh. Chatarbhuji	24°40' 04.8"	74°42' 10.3"	20.0	3.82	13.68	Limestone	Manual	-	Irrigation
25.	Karthana	Sh. Uma Shanker	24°39' 13.8"	74°42' 00.5"	15.0	5.12	10.97	Limestone	-	-	Irrigation
26.	Nimbahara	Sh. Badri Lal	24°37' 57.1"	74°41' 40.3"	19.0	4.15	10.80	Limestone	EM	-	Irrigation
27.	Charliya	Sh. Mathuralal	24°34' 23.4"	74°43' 25.9"	20.2	6.20	12.42	Shales	EM	140	Irrigation
28.	Kalyanpura	Sh. Nanu Ramji	24°36' 42.0"	74°42' 54.5"	25.2	4.92	10.44	Limestone	EM	60	Irrigation
29.	Manda	Sh. Kalu Rawat	24°35' 05.5"	74°40' 23.7"	25.2	2.9	11.72	Shales	-	-	Irrigation
30.	Gadola	Sh. Ganeshilal	24°37' 34.0"	74°44' 14.2"	25.0	5.60	10.11	Limestone	Manual	-	Irrigation

Page 50



## Geotag plantation photographs of Tilakhera Mine







राजस्थान सरकार

वन विभाग

कार्यालय संभागीय मुख्य वन संरक्षक, उदयपुर

वन भवन, गौहटा पार्क के सामने, चेतक सर्किल, उदयपुर-313001

Email: ccj.udpur.for@rajasthan.gov.in; Tel no. 0294-2424718; Fax no. 0294-2418137

क्रमांक एफ 5 ( ) वसु/मुवसं/2020-21/5002

दिनांक :- 24.09.2020

निमित्त,

अतिरिक्त प्रधान मुख्य वन संरक्षक,  
प्रोटेक्शन एवं नोडल अधिकारी एफसीए,  
राजस्थान, जयपुर।

विषय:-Request for approval of combined Wildlife Conservation Plan for six Scheduled species Viz. Indian peafowl (Pavo cristatus) and Panther (Panthera pardus fusca), Rusty-spotted cat (Prionailurus rubiginosus), Indian wolf (Canis lupus pallipes) Indian Monitor Lizard (Varanus bengalensis) and Indian Vulture (Gyps indicus/Gyps bengaliensis) proposed by J.K. Cement Works Nimbahera, J.K. Cement Works Mangrol Ahirpura Limestone Mine, Karunda Limestone Mine, Mallakhera Limestone Mine, Mangrol Limestone mine and Mangrol-Tilakhera Limestone Mine) Tehsil- Nimbahera, Dist- Chittorgarh (Rajasthan).

संदर्भ :- उप वन संरक्षक, चित्तौड़गढ़ का पत्र क्रमांक एफ ( ) सर्वे/उवस/ 2020-21/4172 दिनांक 29.6.2020 तथा 6048 दिनांक 23.09.2020 के क्रम में।

महोदय,

उपरोक्त विषयान्तर्गत संदर्भित पत्र से उप वन संरक्षक, चित्तौड़गढ़ ने उनके पत्र क्रमांक एफ ( ) सर्वे / उवस/ 2020-21/4172 दिनांक 29.6.2020 एवं 6048 दिनांक 23.09.2020 से आलौच्य प्रकरण में वांछित Sch-I वन्यजीवों के संरक्षण के उद्देश्य से इस सम्भागाधीन उप वन संरक्षक, चित्तौड़गढ़ के मार्गदर्शन में तैयार किया गया Wildlife Conservation Plan (WCP) इस कार्यालय को प्रेषित किया गया है।

अतः प्राप्त प्रस्ताव Wildlife Conservation Plan (WCP) को इस कार्यालय के सहमति के साथ मूल ही दो प्रतियों में सक्षम स्तर से अनुमोदित कराने हेतु संलग्न प्रेषित है।

संलग्न:- उपरोक्तानुसार। (मूल ही दो प्रतियों में)

भवदीय,



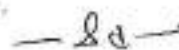
(आर.के. सिंह)  
संभागीय मुख्य वन संरक्षक  
उदयपुर।

दिनांक :-

क्रमांक पत्रा 5 ( ) वसु/मुवसं/2020-21/  
प्रतिलिपि:- निम्न को सूचनार्थ प्रेषित है:-

1- उप वन संरक्षक, चित्तौड़गढ़ को उनके पत्रांक 4172 दिनांक 29.06.2020 तथा 6048 दिनांक 23.09.2020 के क्रम में।

2- Unit Head, J.K. Cement Works (J.K. Cement Nimbahera).



संभागीय मुख्य वन संरक्षक  
उदयपुर।

29/9/20

1/27/2020

**FORM - X**  
**RAJASTHAN STATE POLLUTION CONTROL BOARD**  
**REPORT OF THE STATE BOARD ANALYST**  
 (See Rule - 10)  
**Final Report**

Report No. : 568

Report On : 27/01/2020

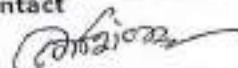
I hereby certify that I D S Nagar, State Board Analyst duly appointed under sub Section(2) of Section 29 of the Air (Prevention & Control of Pollution) Act, 1981 received on the 23/01/2020 from Shri D S Nagar, SO, Chittorgarh, RSPCB Chittorgarh a sample of Ambient Air Quality of M/S J.K. Cement Works (Tilakhera Mine), Plant - , , City- Tilakhera & Mangrol Tehsil- Nimbahera, District- Chittorgarh M.L No- 07/97 Collected from Ambient Air Monitoring at View point of North pit. Collected on 22/01/2020. The Sample was in a condition fit for analysis as reported below :-

I further certify that I have analyzed the aforementioned sample on 27/01/2020 and declare the result of the analysis to be as below :-

S. No.	Parameters	Result
1	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	82
2	Sulphur Dioxide as $\text{SO}_2$ $\mu\text{g}/\text{m}^3$	7.0
3	$\text{NO}_2$ $\mu\text{g}/\text{m}^3$	20.2

The condition of the seals, fastening and container on receipt was as follows : **Intact**

Signed This On 27/01/2020

  
**BOARD ANALYST**

Rajasthan State Pollution Control Board  
 Regional Office Chittorgarh  
 Near FCI Godown, Chanderia, Chittorgarh  
 Phone: 01472-255077



**FORM - X**  
**RAJASTHAN STATE POLLUTION CONTROL BOARD**  
**REPORT OF THE STATE BOARD ANALYST**  
**(See Rule - 10)**  
**Final Report**

Report No. : 569

Report On : 27/01/2020

I hereby certify that I D S Nagar, State Board Analyst duly appointed under sub Section(2) of Section 29 of the Air (Prevention & Control of Pollution) Act, 1981 received on the 23/01/2020 from Shri D S Nagar, SO, Chittorgarh ,RSPCB Chittorgarh a sample of Ambient Air Quality of M/S J.K. Cement Works (Tilakhera Mine) , Plant - , , City- Tilakhera & Mangrol Tehsil- Nimbahera , District- Chittorgarh M.L. No- 07/97 Collected from Ambient Air Monitoring at View point of South pit. Collected on 22/01/2020. The Sample was in a condition fit for analysis as reported below :-

I further certify that I have analyzed the aforementioned sample on 27/01/2020 and declare the result of the analysis to be as below :-

S. No.	Parameters	Result
1	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	87
2	Sulphur Dioxide as SO2 $\mu\text{g}/\text{m}^3$	6.8
3	NO2 $\mu\text{g}/\text{m}^3$	23.9

The condition of the seals, fastening and container on receipt was as follows : **Intact**

Signed This On 27/01/2020

  
**BOARD ANALYST**

Rajasthan State Pollution Control Board  
Regional Office Chittorgarh  
Near FCI Godown, Chanderia, Chittorgarh  
Phone:01472-255077

Rajasthan State Pollution Control Board  
4, Institutional Area, Jhalana Doongri, Jaipur (Raj.) - 302 004  
Result of Ambient Noise Level Monitoring

DATE OF RECEIPT : 23/01/2020

MONITORED BY : Shri D S Nagar, SO, Chittorgarh

S.No.	Lab Sample No	Name of Industry / Place	Point of Collection / Location	Date of Monitoring	Noise Level In Day Time (Leq dB(A))	Noise Level In Night Time (Leq dB(A))
1	553	J.K. Cement Works (Tilakhera Mine), RIICO INDUSTRIAL AREA , Tilakhera & Mangrol Tehsil:Nimbahera District:Chittorgarh	Ambient Noise Monitoring at View Point of North Pit,	22/01/2020	54.2	ND

  
**BOARD ANALYST**

Rajasthan State Pollution Control Board

\* ND = Not Done

Rajasthan State Pollution Control Board  
4, Institutional Area, Jhalana Doongri, Jaipur (Raj.) - 302 004  
Result of Ambient Noise Level Monitoring

DATE OF RECEIPT : 23/01/2020

MONITORED BY : Shri D S Nagar, SO, Chittorgarh

S.No.	Lab Sample No	Name of Industry / Place	Point of Collection / Location	Date of Monitoring	Noise Level In Day Time(Leq dB(A))	Noise Level In Night Time(Leq dB(A))
1	554	J.K. Cement Works (Tilakhera Mine), RIICO INDUSTRIAL AREA , Tilakhera & Mangrol Tehsil:Nimbahera District:Chittorgarh	Ambient Noise Monitoring at View Point of South Pit.	22/01/2020	46.8	ND

  
**BOARD ANALYST**

Rajasthan State Pollution Control Board

\* ND = Not Done



# Mitra S.K. Private Limited

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F: 91 33 22650000  
E: info@mitrask.com  
W: www.mitrask.com

## TEST REPORT

Name & Address of the Customer :

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

Report No. : MSK/UDR/2020-21/208

Date : 06.07.2020

Sample No. : MSKGL/ED/2020-21/06/01133

Sample Description : Ambient Air

Sampling Location : Near Mine Office ( Tilakhera Mine)

Date of Sampling : 13/14.06.2020

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

## ANALYSIS RESULT

SL. NO.	Pollutants	Limit	Result	Method of Test Reference
1	Particulate matter (PM <sub>10</sub> ) in $\mu\text{g}/\text{m}^3$	100	72	IS: 5182:(Part-23)-2006
2	Particulate matter (PM <sub>2.5</sub> ) in $\mu\text{g}/\text{m}^3$	60	46	TPM/MSK/ENV (AP) /01/03
3	Sulphur dioxide (SO <sub>2</sub> ) in $\mu\text{g}/\text{m}^3$	80	7.2	IS: 5182 (Part-2)-2001
4	Nitrogen dioxide (NO <sub>2</sub> ) in $\mu\text{g}/\text{m}^3$	80	29.4	IS: 5182 (Part-6)-2006
5	Carbon monoxide(CO) in $\text{mg}/\text{m}^3$	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

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

# Mitra S.K. Private Limited

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



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W: www.mitrask.com

## TEST REPORT

Name & Address of the Customer :

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

Report No. : MSK/UDR/2020-21/209

Date : 06.07.2020

Sample No. : MSKGL/ED/2020-21/06/01134

Sample Description : Ambient Air

Sampling Location : Near Ravana Office ( Tilakhera Mine)

Date of Sampling : 13/14.06.2020

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

## ANALYSIS RESULT

SL. NO.	Pollutants	Limit	Result	Method of Test Reference
1	Particulate matter (PM <sub>10</sub> ) in µg/m <sup>3</sup>	100	84	IS: 5182 (Part-23)-2006
2	Particulate matter (PM <sub>2.5</sub> ) in µg/m <sup>3</sup>	60	55	TPM/MSK/ENV (AP) /01/03
3	Sulphur dioxide (SO <sub>2</sub> ) in µg/m <sup>3</sup>	80	7.8	IS: 5182 (Part-2)-2001
4	Nitrogen dioxide (NO <sub>2</sub> ) in µg/m <sup>3</sup>	80	30.1	IS: 5182 (Part-6)-2006
5	Carbon monoxide (CO) in mg/m <sup>3</sup>	2	0.76	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

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## TEST REPORT

Name & Address of the Customer :

J.K. Cement Works, Mangrol  
Dist. Chittorgarh ( Raj. )

Report No. : MSK/UDR/2020-21/210

Date : 06.07.2020

Sample No. : MSKGL/ED/2020-21/06/01135

Sample Description : Ambient Air

Sampling Location : Arnia Joshi Village ( Tilakhera Mine)

Date of Sampling : 13/14.06.2020

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

## ANALYSIS RESULT

Sl. No.	Pollutants	Limit	Result	Method of Test Reference
1	Particulate matter (PM <sub>10</sub> ) in $\mu\text{g}/\text{m}^3$	100	70	IS: 5182 (Part-23)-2006
2	Particulate matter (PM <sub>2.5</sub> ) in $\mu\text{g}/\text{m}^3$	60	40	TPM/MSK/ENV (AP) /01/03
3	Sulphur dioxide (SO <sub>2</sub> ) in $\mu\text{g}/\text{m}^3$	80	6.2	IS: 5182 (Part-2)-2001
4	Nitrogen dioxide (NO <sub>2</sub> ) in $\mu\text{g}/\text{m}^3$	80	27.2	IS: 5182 (Part- 6)-2006
5	Carbon monoxide (CO) in $\text{mg}/\text{m}^3$	2	0.52	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

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## TEST REPORT

Name & Address of the Customer :

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

Report No. : MSK/ADR/2020-21/211

Date : 06.07.2020

Sample No. : MSKGL/ED/2020-21/06/01136

Sample Description : Ambient Air

Sampling Location : Near Shahbad ( Tilakhera Mine)

Date of Sampling : 13/14.06.2020

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

## ANALYSIS RESULT

SL. NO.	Pollutants	Limit	Result	Method of Test Reference
1	Particulate matter (PM <sub>10</sub> ) in $\mu\text{g}/\text{m}^3$	100	76	IS: 5182:(Part-23)-2006
2	Particulate matter( PM <sub>2.5</sub> ) in $\mu\text{g}/\text{m}^3$	60	44	TPM/MSK/ENV (AP) /01/03
3	Sulphur dioxide( SO <sub>2</sub> ) in $\mu\text{g}/\text{m}^3$	80	7.9	IS: 5182 (Part-2)-2001
4	Nitrogen dioxide (NO <sub>2</sub> ) in $\mu\text{g}/\text{m}^3$	80	30.4	IS: 5182 (Part- 6)-2006
5	Carbon monoxide(CO) in $\text{mg}/\text{m}^3$	2	0.44	IS 5182 (Part-10) :1999

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

Checked 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, Mangrol  
Distt. Chitorgarh ( Raj.)

Report No. : MSK/UDR/2020-21/221  
Date : 06.07.2020  
Sample No. : MSKGL/ED/2020-21/06/01157 & 1158  
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.	13/14.06.2020	Near Mine Office (Tilakhera Mine )	54.0	39.8
2.		Near Ravana Office (Tilakhera Mine )	57.4	43.1
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

Shreeji Center (5th Floor)  
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## TEST REPORT

Name & Address of the Customer :

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

Report No. : MSK/UDR/2020-21/836

Date : 14.10.2020

Sample No. : MSK/GL/ED/2020-21/10/00552

Sample Description : Ambient Air

Sampling Location : Near Mine Office ( Thakhera Mine)

Date of Sampling : 10.09.2020

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

## ANALYSIS RESULT

SL. NO.	Pollutants	Limit	Result	Method of Test Reference
1	Particulate matter (PM <sub>10</sub> ) in µg/m <sup>3</sup>	100	56	IS: 5182 (Part-23)-2006
2	Particulate matter (PM <sub>2.5</sub> ) in µg/m <sup>3</sup>	60	32	TPM/MSK/ENV (AP)/01/03
3	Sulphur dioxide (SO <sub>2</sub> ) in µg/m <sup>3</sup>	80	10.7	IS: 5182 (Part-2)-2004
4	Nitrogen dioxide (NO <sub>2</sub> ) in µg/m <sup>3</sup>	80	25.6	IS: 5182 (Part-6)-2006
5	Carbon monoxide (CO) in mg/m <sup>3</sup>	2	0.49	IS: 5182 (Part-10)-1990

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

Report Prepared By





# Mitra S.K. Private Limited

Shreeji Center (5th Floor)  
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## TEST REPORT

Name & Address of the Customer :

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

Report No. : MSK/UDR/2020-21-837

Date : 14.10.2020

Sample No. : MSKGL/ED/2020-21/10-00553

Sample Description : Ambient Air

Sampling Location : Near Ravana Office ( Tilaihera Mine )

Date of Sampling : 10.09.2020

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

## ANALYSIS RESULT

Sl. No.	Pollutants	Limit	Result	Method of Test Reference
1	Particulate matter (PM <sub>10</sub> ) in $\mu\text{g}/\text{m}^3$	100	55	IS: 5182 (Part-23)-2006
2	Particulate matter (PM <sub>2.5</sub> ) in $\mu\text{g}/\text{m}^3$	60	45	TPM/MSK/ENV (AP) :01/03
3	Sulphur dioxide (SO <sub>2</sub> ) in $\mu\text{g}/\text{m}^3$	80	11.4	IS: 5182 (Part-2)-2001
4	Nitrogen dioxide (NO <sub>2</sub> ) in $\mu\text{g}/\text{m}^3$	80	29.1	IS: 5182 (Part- 6)-2006
5	Carbon monoxide (CO) in $\text{mg}/\text{m}^3$	2	0.52	IS 5182 : (Part-10) :1999

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

Report Prepared By



# Mitra S.K. Private Limited

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## TEST REPORT

Name & Address of the Customer :

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

Report No. : MSK/UDR/2020-21/838

Date : 14.10.2020

Sample No. : MSKGL/ID/2020-21/10/00554

Sample Description : Ambient Air

Sampling Location : Arnia Joshi Village ( Tilakhera Mine)

Date of Sampling : 10.09.2020

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

## ANALYSIS RESULT

Sl. No.	Pollutants	Limit	Result	Method of Test Reference
1	Particulate matter (PM <sub>10</sub> ) in µg/m <sup>3</sup>	100	68	IS: 5182 (Part-2)-2006
2	Particulate matter (PM <sub>2.5</sub> ) in µg/m <sup>3</sup>	60	48	TPM/MSK/ENV (AP)/01/01
3	Sulphur dioxide (SO <sub>2</sub> ) in µg/m <sup>3</sup>	80	11.90	IS: 5182 (Part-2)-2001
4	Nitrogen dioxide (NO <sub>2</sub> ) in µg/m <sup>3</sup>	80	26.9	IS: 5182 (Part-6)-2006
5	Carbon monoxide (CO) in mg/m <sup>3</sup>	2	0.41	IS: 5182 (Part-10)-1999

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

Report Prepared By



# Mitra S.K. Private Limited

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## TEST REPORT

Name & Address of the Customer :

J.K. Cement Works, Mangrol  
Dist. Chhinoargh ( Raj.)

Report No. : MSK/UDR/2020-21-839

Date : 14.10.2020

Sample No. : MSKGL/ED/2020-21/10/00555

Sample Description : Ambient Air

Sampling Location : Near Shalbad ( Tilkhena Mine)

Date of Sampling : 10.09.2020

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

## ANALYSIS RESULT

SL. NO.	Pollutants	Limit	Result	Method of Test Reference
1	Particulate matter (PM <sub>10</sub> ) in $\mu\text{g}/\text{m}^3$	100	62	IS: 5182 (Part-3)-2006
2	Particulate matter (PM <sub>2.5</sub> ) in $\mu\text{g}/\text{m}^3$	60	41	TPM/MSK/ENV (AP) 01/03
3	Sulphur dioxide (SO <sub>2</sub> ) in $\mu\text{g}/\text{m}^3$	80	14.1	IS: 5182 (Part-2)-2001
4	Nitrogen dioxide (NO <sub>2</sub> ) in $\mu\text{g}/\text{m}^3$	80	22.9	IS: 5182 (Part-6)-2006
5	Carbon monoxide (CO) in $\text{mg}/\text{m}^3$	2	0.42	IS 5182 (Part-10) :1999

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

Report Prepared By

For Mitra S.K. Pvt. Ltd.  
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, Mangrol  
Dist. Chittorgarh ( Raj.)

Report No. : MSK/IDR/2020/31-842

Date : 14.10.2020

Sample No. : MSKGL/ID/2020/31-10/00558

Sample Description : Ambient Air

Sampling Location : Tie Village ( Mangrol Limestone Mine)

Date of Sampling : 11.09.2020

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

## ANALYSIS RESULT

Sl. No.	Pollutants	Limit	Result	Method of Test Reference
1	Particulate matter (PM <sub>10</sub> ) in $\mu\text{g}/\text{m}^3$	100	48	IS: 5182 (Part-23)-2006
2	Particulate matter (PM <sub>2.5</sub> ) in $\mu\text{g}/\text{m}^3$	60	22	TPM/MSK/ENV (AP)-01/03
3	Sulphur dioxide (SO <sub>2</sub> ) in $\mu\text{g}/\text{m}^3$	80	9.7	IS: 5182 (Part-2)-2001
4	Nitrogen dioxide (NO <sub>2</sub> ) in $\mu\text{g}/\text{m}^3$	80	23.2	IS: 5182 (Part-6)-2006
5	Carbon monoxide (CO) in $\text{mg}/\text{m}^3$	2	0.35	IS: 5182 (Part-10)-1999

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

Report Prepared by



# Mitra S.K. Private Limited

Shree Center (5th Floor)  
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## TEST REPORT

Name & Address of the Customer :

J.K. Cement Works, Mangrol  
Dist. Chhota Garh (Raj.)

Report No. : MSK/UDR/2020-21/843

Date : 14.10.2020

Sample No. : MSKGL/ED/2020-21-10/00559

Sample Description : Ambient Air

Sampling Location : Mangrol Village ( Mangrol Limestone Mine)

Date of Sampling : 11.09.2020

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

## ANALYSIS RESULT

Sl. No.	Pollutants	Limit	Result	Method of Test Reference
1	Particulate matter (PM <sub>10</sub> ) in $\mu\text{g}/\text{m}^3$	100	58	IS: 5182 (Part-2)-2006
2	Particulate matter (PM <sub>2.5</sub> ) in $\mu\text{g}/\text{m}^3$	60	27	TPM/MSK-FNY (AP) 40103
3	Sulphur dioxide (SO <sub>2</sub> ) in $\mu\text{g}/\text{m}^3$	80	8.6	IS: 5182 (Part-2)-2001
4	Nitrogen dioxide (NO <sub>2</sub> ) in $\mu\text{g}/\text{m}^3$	80	28.2	IS: 5182 (Part-6)-2006
5	Carbon monoxide (CO) in $\text{mg}/\text{m}^3$	2	0.56	IS 5182 (Part-10) :1999

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

Report Prepared By



# Mitra S.K. Private Limited

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## TEST REPORT

Name & Address of the Customer :

J.K. Cement Works, Mangrol

Dist. Chittorgarh ( Raj.)

Report No. : MSK/UDR/2020-21/858

Date : 14.10.2020

Sample No. : MSKGL/UD/2020-21/000574 & 00575

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.	10.09.2020	Near Mine Office (Tilakhera Mine )	62.2	48.4
2.		Near Ravna Office (Tilakhera Mine )	68.4	55.6
Limit As per CPCB (Environment Protection Rules, 1986)		in Industrial Area Leq dB(A)	75	70

Report Prepared by :





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

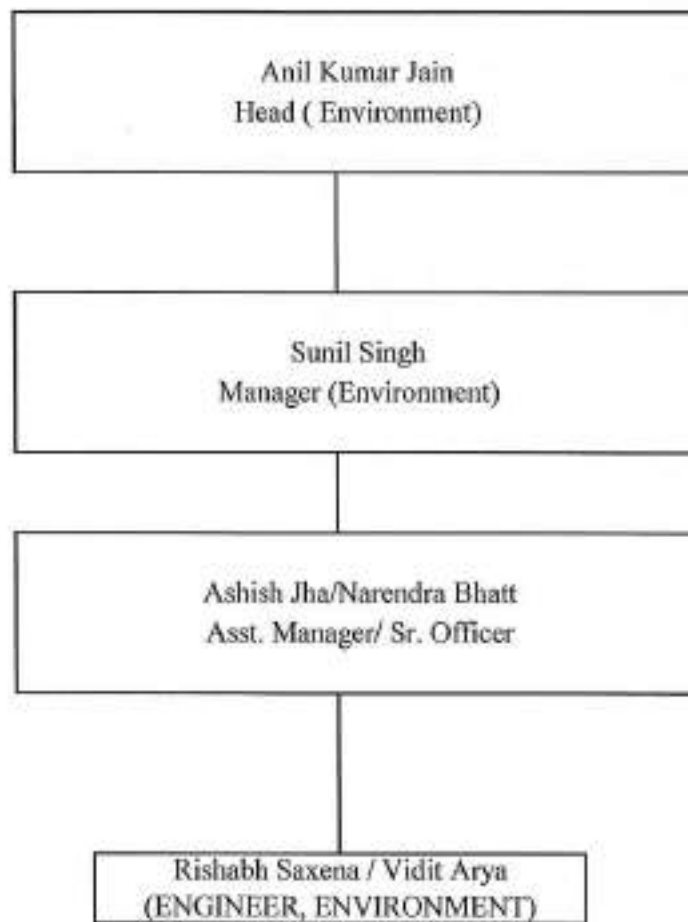
**1) AMBIENT AIR QUALITY SPM RESULTS : ( ALL VALUES IN  $\mu\text{g}/\text{M}^3$  )**

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

Month	Near Mine Office					Near Ravana Office					3 to 10 Meter Distance From Drilling Operation					Near loading point			
	PM10	PM2.5	SO <sub>2</sub>	Nox	CO	PM10	PM2.5	SO <sub>2</sub>	Nox	CO	SPM	SO <sub>2</sub>	Nox	CO	SPM	SO <sub>2</sub>	Nox	CO	
Apr-20	Mines not in operation due to Covid-19 lockdown																		
May-20																			
Jun-20	52.6	34.8	14.6	24.6	762	63	45.1	14.9	24.6	796	377.0	16.8	26.4	756	360.0	17.2	24.8	802	
Jul-20	53.7	37.1	15	24.4	630	67.6	47.6	17	25.0	607	384.0	15.5	24.9	670	370.0	15.6	24.4	624	
Aug-20	45.9	35.6	15	24	498	64.8	46.2	16	24.2	538	376.0	16.7	24.1	636	357.0	15.7	23.7	596	
Sep-20	42.1	31.2	14	23	521	49.6	40.1	15	23.1	647	358.0	15.9	23.1	590	346.0	16	23.5	653	
AVERAGE	48.6	34.7	14.5	23.8	603	61.3	44.7	15.6	24.2	647	373.8	16.2	24.6	663	358.3	16.0	24.1	669	

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

Month	Near Mine Office			Near Ravana Office		
	NOISE LEVEL db(A)					
	Day Time	Night Time	Day Time	Night Time		
Apr-20	Mines not in operation due to Covid-19 lockdown					
May-20						
Jun-20						
Jul-20						
Aug-20						
Sep-20	59.6	53.7	68.2	63.1		
	60.4	54.8	67.1	61.8		
	61.5	55.1	68.3	62.4		
	60.7	54.3	67.1	60.4		

J.K. Cement WORKS, NIMBAHERA ( RAJ )ORGANISATION CHART OF  
ENVIRONMENT DEPARTMENT

**J.K. Cement WORKS, MANGROL (RAJ)**  
**TILAKHERA MINE**

**Financial Budget for Environmental Management**  
**FY 2020-21**

S. No.	Activity	Recurring Cost per Annum (Rs. in Laes)
		Proposed
1.	Pollution control expenses (Others)	5.012
2.	Pollution control expenses (Statutory)	-
3.	Gardening Expenses	6.6
4.	CSR Expenses	88.0
Total (Rs. in Laes)		99.612/-



**J.K. Cement WORKS, MANGROL (RAJ)**  
**TILAKHERA MINE**

**EXPENDITURE INCURRED ON ENVIRONMENTAL PROTECTION**  
**MEASURES DURING YEAR 2019-2020**

<b>S. No.</b>	<b>Activity</b>	<b>Recurring Cost per Annum (Rs.)</b>
1.	Pollution control expenses (Others)	<b>109214</b>
2.	Pollution control expenses (Statutory)	<b>320200</b>
3.	Gardening Expenses	<b>338491</b>
4.	CSR Expenses	<b>3220056</b>
<b>Total (Rs.)</b>		<b>3987960/-</b>