



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

J-11015 / 25/ 2011-IA.II (M), Date.03.03.2021

Period: April-2021 to September-2021

**For
Mangrol-Tilakhera Limestone Mine: 2.4 Million TPA (ROM)**


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

**Submitted by:
M/s J.K.CEMENT WORKS, MANGROL,
Vill. Mangrol, Tehsil: Nimbahera, District: Chittorgarh (Raj)**

**HALF YEARLY COMPLIANCE REPORT OF ENVIRONMENT CLEARANCE OF MANGROL-TILAKHERA
LIMESTONE MINE (ML NO. 07/97) M/S J.K. CEMENT WORKS, MANGROL**

PROPONENT:	J.K. CEMENT WORKS, MANGROL (RAJ.)	Period: from April' 2021 to September' 2021
PROJECT:	Expansion of Mangrol-Tilakhera Limestone Mine (ML no. 07/97) production capacity 2.4 Million TPA (ROM) Total Excavation Limestone 1.80 Million TPA + Mineral Rejects 0.55 Million TPA +Interstitial clay 0.04 Million TPA+ Soil 0.01 Million TPA) Village – Mangrol & Tilakhera, Tehsil- Nimbahera, District- Chittorgarh, Rajasthan.	
Environment Clearance issued from MOEF, IA Division, New Delhi vide letter No. J-11015 / 25/ 2011-IA.II (M)Dt.3.03.2021.		
S. No.	Condition	Status
(A)	Specific Conditions	
(a)	The project proponent shall submit an undertaking that gap plantation will be completed in balance 1.72 ha by September 2021 using tall saplings of 5-6 feet as per the guidelines of the ministry.	Complying With. <ul style="list-style-type: none">Total Planation required in 15.0576 ha.Plantation done till FY 2020-21 with 44385 nos. sapling.Total plantation done in 16.31 ha. till FY 2020-21.After counting of survival % the total plantation survived till FY 2020-21 is 22108 nos.Total safety zone area (7.5m) is 1.95 ha.Plantation done till FY 2020-21 in safety zone is 0.23 ha.The balance area of safety zone plantation in 1.2 ha has been completed during April 21 to sept 21.Total plantation done in safety zone till sept 21 is 13766 nos. including gap filling.
(b)	The project proponent shall spend Rs. 25 lakh for creating water resources or water harvesting structures to benefit the wildlife	Complying with. <p>The Wildlife conservation plan has been prepared for six nos. of the following Schedule-I species found in the buffer area during the survey: -</p> <p>(a.) <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)</p> <p>5 Nos. of captive Limestone Mines and 2 Nos. of Integrated Cement Plant of J K Cement Ltd are situated within 10 KMS radius in Tehsil Nimbahera, Chittorgarh District and accordingly, Cumulative Wildlife Conservation Plan for 6 Sch-1 Species (Indian Peafowl (<i>Pavo cristatus</i>), Panther (<i>Panthera pardus fusca</i>), Rusty Spotted Cat (<i>Prionailurusrubiginosus</i>), Indian Wolf (<i>Canis lupus pallipes</i>) Indian Monitor lizard (<i>Varanus bengalensis</i>) and Indian vulture (<i>Gyps indicus/ bengalensis</i>). Wild life conservation plan has been forwarded by the DFO Chittorgarh to Divisional chief conservator of forest vide letter no F (5) survey/UVS/2021-22/4089 dated 13.07.2021 and accordingly 20% amount of Rs. 57.07 Lakh deposited by us against total WCP cost of Rs.285.30 Cr in July,21.</p>

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		Copy of Letter is enclosed as Annexure-1.										
(c)	The project proponent shall review annually the efficacy of conservation plan and shall submit the progress report to ministry as directed.	After approval of wildlife conservation plan & implementation progress report will be submitted.										
(d)	PP shall establish the environment management cell separately for the mine & engage sufficient number of qualified staff for the implementation of EC conditions & other statutory requirements	Complying with. A separate environmental management cell has been established with qualified personnel and having sufficient monitoring equipment's in environmental laboratory.										
(e)	PP to ensure that the necessary EMP should be implemented & monitored properly to ensure better compliance of the said conservation measures.	Complying with. EMP has been implemented.										
(f)	Regular surveillance on Silicosis shall be carried through regular occupational health check-up of 1/3 of the persons every year.	Complying with. As per DGMS rule medical checkup are being done to all workmen on periodical basis. Pre placement medical examination of the workers engaged is carried out and record is being maintained. Schedule of health examination will be done in such a manner that every workman will be examined once in five years. Medical examination detail of period Apr-21 to Sept-21 is mention below in table: <table><tr><th>Particular</th><th>Medical Exam. Carried out (in Nos.)</th></tr><tr><td>No. of persons examined</td><td>27</td></tr><tr><td>Initial Medical Examination</td><td>2</td></tr><tr><td>Periodical Medical Examination</td><td>25</td></tr><tr><td>Disease observed</td><td>NA</td></tr></table> Medical examination report: <div><div><p style="text-align: center;">FORM - O (See rule 29F (2) and 29L) Report of Medical Examination under rule 29 B (To be issued in triplicate **)</p><p>Certificate No. <u>265</u></p><p>Certified that shri MUKESH KUMAR MEENA S/O PHOOL CHAND MEENA as TIPPER DRIVER in TILA KHERA MINES, Form No. <u>79</u></p><p>Has been examined for an initial / periodical medical examination. He appears to be 44 years of age.</p><p>The findings of the examining authority are given in the attached sheet. It is considered that -</p><p>Shri. <u>MUKESH KUMAR MEENA S/O PHOOL CHAND MEENA.</u></p><p>(a) * is medically fit for any employment in mines, ✓</p><p>(b) * is suffering fromand is medically unfit for - ✗</p><p>(i) Any employment in mine; or</p><p>(ii) Any employment below ground; or</p><p>(iii) Any employment or work</p><p>(c) * is suffering fromshould get this disability cured / controlled * and should be again examined within a period ofmonths. He will appear for re-examination with the result of test of and the opinion of</p><p>Specialist from He may be permitted * to carry on his duties during this period</p><div><div></div><div><p>Signature of the examining Authority CHAUDHARY J.K.W. NIMBAHERA (RAJ.) Name and designation in Block letters.</p></div></div><p><small>*Delete whatever is not applicable** One copy of the certificate shall be handed over to the person concerned and another copy shall be sent to the manager of the mine concerned by registered post ; and the third copy shall be retained by the examining authority.</small></p><p style="text-align: right;">Page 1 of 6</p></div></div>	Particular	Medical Exam. Carried out (in Nos.)	No. of persons examined	27	Initial Medical Examination	2	Periodical Medical Examination	25	Disease observed	NA
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(B)	Standards Conditions	
I	Statutory Compliance	
(1)	This environmental clearance is subject to orders / judgement of Hon'ble supreme court of India, Hon'ble high court, Hon'ble NGT and any other court of law, common cause conditions as may be applicable.	Request letter for generating the demand, if any in the matter of common cause as per the common cause has been submitted vide letter no. JKCW/Mangrol-Tilakhera/EC-Comp/2021-22 dt. 27.10.2021 to State Government, copy of the same is enclosed as Annexure-2 .
(2)	The project proponent complies with all statutory requirements and judgement of Hon'ble supreme court dated 2 nd august,2017 in writ petition(civil) no.114 of 2014 in matter of common causes versus union of India & ors before commencing the mining operations.	Request letter for generating the demand, if any in the matter of common cause as per the common cause has been submitted vide letter no. JKCW/Mangrol-Tilakhera/EC-Comp/2021-22 dt. 27.10.2021 to State Government, copy of the same is enclosed as Annexure-2 .
(3)	The state government concerned shall ensure that mining operation shall not be commenced till the entire compensation levied if any for illegal mining paid by the project proponent through their respective department of mining & geology in strict compliance of judgement of Hon'ble supreme court dated 2 nd August 2017 in writ petition civil no-114 of 2014 in matter of common cause versus union of India & ors.	Request letter for generating the demand, if any in the matter of common cause as per the common cause has been submitted vide letter no. JKCW/Mangrol-Tilakhera/EC-Comp/2021-22 dt. 27.10.2021 to State Government, copy of the same is enclosed as Annexure-2 .
(4)	The project proponent shall follow the mitigation measures provided in MoEFCC's office memorandum No. Z-11013/57/2014-IA.II(M), dated 29 th October, 2014 titled "Impact of mining activities on Habitations –issues related to the mining projects where in Habitations and villages are the part of mine lease area"	Complying with. <ol style="list-style-type: none"> 1. Garland drain constructed. 2. Siltation pond facilitated. 3. Regular water spray on haul road is being done. 4. Rain water collected in mine pit and during the lean period & as per requirement water is being supplied to the nearby villagers. 5. Mask light are being kept in off mode during night period. 6. Control blasting implemented. 7. Company own road used for limestone transportation.
(5)	A copy of EC letter will be marked to concerned Panchayat / local NGO etc if any, from whom suggestion / representation has been received while processing the proposal.	Complied with, A copy of EC has been submitted at concern panchayat, Zila Parishad, DIC office, District Collector, SDM office vide letter no. MGR/PC/A/11/748 on 04.03.2021, copy of same enclosed as Annexure-3 .
(6)	Sate pollution control board/committee shall be responsible for display of this EC letter at its Regional office, District industries center and collector office / Tehsildar's office for 30 days.	Agreed & complied.
(7)	The project authorities should widely advertise about the grant of this EC letter by printing the same in at least two local newspapers one of which	Complied With, EC granted information published in two local newspapers i.e. Dainik Bhasker & Rajasthan Patrika on 06.03.2021, copy of same enclosed as Annexure-4 .

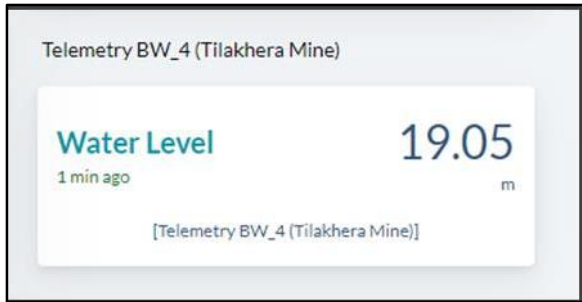
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	shall be in vernacular language of the concerned area. The advertisement shall be done within 7 days of the issue of the clearance letter mentioning that the instant project has been accorded EC and copy of the EC letter is available with the state pollution control board / committee and web site of the ministry of environment, forest and climate change. a copy of the advertisement may be forwarded to the concerned MoEFCC regional office for compliance and record.	
(8)	The project proponent shall inform the MoEF&CC for any change in ownership of the mining lease. In case there is any change in ownership or mining lease is transferred than mining operation shall only be carried out after transfer of EC as per provisions of the para 11 of EIA notification, 2006 as amended from time to time.	To be followed. If any change in ownership of mining, will be intimated to the ministry accordingly.
II	Air quality monitoring & preservation	
(9)	The project proponent shall install a minimum 3 online ambient air quality monitoring stations with one in upwind and 2 in downwind direction based on long term climatological data about wind direction such that an angle of 120° is made between the monitoring locations to monitor critical parameters relevant for mining operations of air pollution viz. PM10, PM2.5 NO ₂ ,CO, & SO ₂ etc. as per the methodology mentioned in NAAQS notification No. B-29016/20/90PCI/I, dated 18.11.2009 covering the aspects of transportation and use of heavy machinery in the impact zone the ambient air quality shall also be monitored at prominent places like office building , canteen etc as per the site condition to ascertain the exposure characteristics at specific places. The above data shall be digitally displayed within 03 months in front of the main gate of the mine site.	Complied with, Three (03) nos of CAAQMS has been installed all along the mine lease boundary : 1. Near Mine office towards village Arniya Joshi , Tie & Tilakhera 2. Toward village Mangrol (Common for Tilakhera Mine & JKCW Mangrol plant) 3. Towards village Sahabad (Common for Tilakhera Mine & JKCW Mangrol plant) Digital display board has been provided at Mine Office. Request has been made to CPCB and RSPCB for Connectivity of CAAQMS. <



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	Jun-21	50.8	33.3	10.8	24.3	756	55.2	35.8	14.3	28.6	802	409	13.5	29.3	807	425	19.0	33.1	853																																					
	Jul-21	38.2	22.3	8.9	20.0	676	44.2	24.5	11.8	22.6	710	386	14.1	32.9	819	411	20.1	40.5	876																																					
	Aug-21	32.1	17.6	10.0	14.6	624	40.3	22.3	14.0	19.5	693	368	11.8	26.9	779	399	19.5	33.9	830																																					
	Sept-21	36.6	20.6	12.0	17.4	641	42.6	26.1	15.4	23.1	704	349	14.0	27.9	796	392	19.2	24.1	790																																					
	AVG	42.7	26.0	10.6	20.1	707	49.1	30.0	13.3	23.3	760	392	15.9	27.7	817	417	19.6	30.0	836																																					
Ambient air quality monitoring report of core & buffer zone by NABL accredited lab enclosed as Annexure-5.																																																								
(10)	Effective safeguard measures for prevention of dust generation and subsequent suppression (like regular water sprinkling, metalled road construction etc) shall be carried out in areas prone to air pollution where in high levels of PM10 and PM 2.5 are evident such as haul road, loading and unloading point and transfer points the fugitive dust emissions from all sources shall be regularly controlled by installation of required equipment's/ machineries and preventive maintenance. Use of suitable water-soluble chemical dust suppressing agents may be explored for better effectiveness of dust control system it shall be ensured that air pollution level confirm to the standards prescribed by the MoEFCC/ central pollution Board.								Complying with, Regular water sprinkling is being done on loading, unloading point, transfer point as well as the haul roads to prevent the dust becoming air borne during transportation movement of vehicles. Wet drilling & control blasting system implemented. We are exploring the possibility of water soluble chemical for dust suppression. The periodical fugitive emission monitoring is being carried out, monitoring report of fugitive emission (Apr-21 to Sept-21) enclosed as Annexure-6.																																															
III	Water Quality Monitoring & Preservation																																																							
(11)	In case, immediate mining scheme envisages intersection of ground water table then environmental clearance shall become operational only after receiving formal clearance from GGWA. Increase mining operation involves intersection of ground water table at a later stage, then PP shall ensure that prior approval from CGWA and MoEFCC is in place before such mining operations. The permission for intersection of ground water table shall essentially be based on detailed hydro-geological study of the area.								Complying with. Water table is not intersecting due to mining activities. The detail of the elevation, ground water table and working level is given below: - <table><tr><td>SNo</td><td>Particulars</td><td>Levels (MSL)</td><td>BGL (m)</td></tr><tr><td>1.</td><td>Highest Elevation</td><td>427</td><td>--</td></tr><tr><td>2.</td><td>Lowest Elevation</td><td>438</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>397</td><td>33</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>437-397.70</td><td>0-33</td></tr><tr><td>8.</td><td>Present working depth pit 2</td><td>436.0-405.77</td><td>0-25</td></tr></table> <i>Source: - As per approved Modified Mining Plan with PMCP dated 03.01.2019.</i>												SNo	Particulars	Levels (MSL)	BGL (m)	1.	Highest Elevation	427	--	2.	Lowest Elevation	438	--	3.	General Ground Level	430	--	4.	Water Table (Pre-Monsoon)	367	60	5.	Water Table (Post-Monsoon)	397	33	6.	Ultimate Pit Limit	374	56	7.	Present working depth pit 1	437-397.70	0-33	8.	Present working depth pit 2	436.0-405.77	0-25
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(12)	Project proponent shall regularly monitor and maintain records w.r.t. ground water level and quality in and around the mine lease by establishing a network of existing's wells as well as new piezo meter installations during the mining operation in consultation								Complying with. Regular monitoring of ground water level and quality are being carried out in and around the mining lease area as per the Environment Management Plan of approved Mining plan by establishing a network of existing wells.																																															

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	<p>with central ground water authority / state ground water department. the report on changes in ground water level and quality shall be submitted on six-month basis to the regional office of the ministry CGWA and state ground water department / state pollution control board.</p>	<p>We have installed 3 nos. of piezometer holes for periodic & one DWLR (Digital water level Recorder) with telemetry system for online monitoring of ground water level.</p> <p>Screen shot of DWLR live data</p> 
(13)	<p>The project proponent shall undertake regular monitoring of natural water /course /water resources /springs and perennial nallahs existing/flowing in and around the mine lease including upstream and downstream. Sufficient number of gullies shall be provided at appropriate places within in the lease for management of water. The parameters to be monitored shall include their water quality vis-à-vis suitability for usage as per CPCB criteria and flow rate. it shall be ensured that no obstruction and /or alteration be made to water bodies during mining operation without justification and prior approval of MoEFCC. The monitoring of water courses / bodies existing in the lease area shall be carried out four times in a year viz. pre –monsoon (April-May), monsoon (august) post monsoon {November} and winter (January) and the record of monitored data may he sent regularly to Ministry of Environment, Forest and Climate Change and its Regional Office, Central Ground Water Authority and Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board. Clearly showing the trend analysis on six-monthly basis.</p>	<p>Not applicable.</p> <p>There are no natural water course and / or water resources are obstructed due to any mining operation. Mine pit water and tube well quality are being tested by NABL lab in Monsoon, post monsoon, winter & summer season and report are being submitted to the MOEFCC, CPCB, RPCB & CGWA. The monsoon water quality report is enclosed as Annexure-7.</p>
(14)	<p>Quality of polluted water generated from mining operations which include Chemical Oxygen demand (COD) in mines run-off; acid mine drainage and metal contamination in run-off shall be monitored along with Total Suspended Solids (TDS), Dissolved Oxygen (DO), pH and Total Suspended Solids (TSS). The</p>	<p>Complying with,</p> <p>As per the said MOEFCC notification, mine key parameter are being monitored and same is uploaded at JK cement website. Also it is displayed at mine gate for public domain.</p>

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	monitored data shall be uploaded on the website of the company as well as displayed at the project site in public domain, on a display board, at a suitable Location near the main gate of the Company. The circular No.J-20012/1/2006-IA.II(M) dated 27.05.2009 Issued by Ministry of Environment, Forest and Climate Change may also be referred in this regard.	
(15)	Project proponent shall plan, develop and implement rainwater harvesting measured on a long term basis to augment ground water resources in the area in consultation with central ground water board / state ground water department. A report on amount of water recharged needs to be submitted to regional office MoEFCC annually.	<p>Complied with. To augment the water resources, rain water harvesting is done through mine pit, water stored in lower most benches and one recharge well has constructed.</p> <p>Rain Water Harvesting through Mine Pit-1 (North Pit)</p>  <p>Rain Water Harvesting through Mine Pit-2 (South Pit)</p> 
(16)	Industrial waste water (workshop and waste water from the mine) should be properly collected and treated so as to conform to the notified standards prescribed from time to time. the standards shall be prescribed through consent to operate (CTO) issued by concerned state pollution control board (SPCB)the workshop effluent shall be treated after this initial passage through oil and grease tap.	<p>Not applicable.</p> <ul style="list-style-type: none"> There is no waste generation from the Limestone mining operation. There no workshop in mines.
(17)	The water balance/water auditing shall be carried out and measure for reducing the consumption of water shall be taken up and reported to the regional office of the MoEF&CC and state pollution Board/committee.	<p>Complying with,</p> <p>Water audit has been carried out by National Productivity Council, New Delhi, a copy of same is enclosed as Annexure-8.</p>

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IV

Noise and Vibration Monitoring & Preservation

(18)

The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.

Complying with,

Control 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. Water injection system on wagon drill has been provided which suppresses dust at its source of generation.

Vibration monitoring data of period Apr-21 to Sept-21 mention below: (Safe ppv level is 10 mm/sec)

DATE	LOCATON OF BLASTING	APPROX . DISTANCE	NO OF HOLES	MAX.CHARGE PER DELAY (KGS.)	PPV MM/SEC
03.04.2021	BENCH=IIN,BID=8--1	250M FROM FACE	11	28.97	1.269
06.04.2021	BENCH=IS,BID=15--1	200M FROM FACE	7	23.43	3.169
17.04.2021	BENCH=VN,BID=6--5	200M FROM FACE	13	21.23	1.202
26.04.2021	BENCH=IN,BID=0--3	250M FROM FACE	12	25.25	2.332
20.05.2021	BENCH=VIN,BID=8--7	250M FROM FACE	14	29.53	1.695
22.05.2021	BENCH=IVN,BID=9--8	300M FROM FACE	11	27.52	0.844
30.05.2021	BENCH=VN,BID=15--7	200M FROM FACE	16	25.03	3.975
06.06.2021	BENCH=IN,BID=8--10	250M FROM FACE	11	22.98	3.133
10.06.2021	BENCH=VS,BID=15--10	300M FROM FACE	12	27.29	0.951
15.06.2021	BENCH=IN,BID=7--10	150M FROM FACE	12	25.25	4.234
19.06.2021	BENCH=VN,BID=5--13	150M FROM FACE	16	26.77	4.442
24.06.2021	BENCH=VN,BID=9--16	200M FROM FACE	9	28.03	3.755
08.07.2021	BENCH=IIN,BID=8--19	150M FROM FACE	5	22.25	4.286
12.07.2021	BENCH=VN,BID=12--8	150M FROM FACE	7	11.71	2.964
23.07.2021	BENCH=IN,BID=7--24	150M FROM FACE	6	11.11	4.202
29.07.2021	BENCH=IN,BID=9--17	150M FROM FACE	6	17.29	3.648
02.08.2021	BENCH=IN,BID=9--20	150M FROM FACE	9	18.46	2.993
05.08.2021	BENCH=IIN,BID=8--48	150M FROM FACE	14	19.86	3.962
06.08.2021	BENCH=IIN,BID=8--49	150M FROM FACE	10	18.00	2.607
10.08.2021	BENCH=IN,BID=8--55	150M FROM FACE	7	17.14	3.358
15.08.2021	BENCH=IIN,BID=7--50	150M FROM FACE	7	18.11	4.875
04.09.2021	BENCH=IIN,BID=9--24	150M FROM FACE	10	22.75	3.32

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		<table><tr><td>06.09.2021</td><td>BENCH=IIN,BID=7--61</td><td>150M FROM FACE</td><td>10</td><td>19.25</td><td>2.837</td></tr><tr><td>19.09.2021</td><td>BENCH=IIN,BID=8--88</td><td>150M FROM FACE</td><td>19</td><td>15.93</td><td>1.875</td></tr></table> <p>Maximum peak partial velocity is 4.875 mm/sec at 300 mtr. In above period.</p> <p>Vibration monitoring report</p> <div><p>Event Report</p><p>Time: Long at 13:56:26 July 12, 2021 Rigger Source: Geo: 0.700 mm/s Range: Geo: 254.0 mm/s Record Time: 3.0 sec at 2048 kps Operator/Setup: TILAKHERA MINE/Tilakhera MMS</p><p>Notes: SOUTH PIT Location: Tilakhera Mine Client: J K Cement Works Mangrol User Name: Line Stone Mms General:</p><p>Serial Number: UM10861 V 10-81 Micromate ISEE Battery Level: 3.6 Volts Unit Calibration: February 13, 2021 by UES New Delhi File Name: UM10861_20210712135626_IDPVV</p><p>Post Event Notes: BID=12-8, BENCH=V-N-PIT 7 HOLES, C/D=11.71 kg, DISTANCE FROM BLASTING FACE = 150 mtr.</p><p>Microphone: Linear Weighting PSPL: <0.500 ps (L) ZC Freq: 126 Hz Channel Test: Passed (Freq = 19.7 Hz Amp = 1204 mv)</p><table><tr><td></td><td>Trans</td><td>Vert</td><td>Long</td></tr><tr><td>PPV</td><td>1.529</td><td>1.080</td><td>2.830</td></tr><tr><td>ZC Freq</td><td>114</td><td>102</td><td>93</td></tr><tr><td>Time (Rel. to Trig)</td><td>0.013</td><td>0.005</td><td>0.010</td></tr><tr><td>Peak Acceleration</td><td>0.104</td><td>0.089</td><td>0.173</td></tr><tr><td>Peak Displacement</td><td>0.002</td><td>0.142</td><td>0.004</td></tr><tr><td>Sensor Check</td><td>Passed</td><td>Passed</td><td>Passed</td></tr><tr><td>Frequency</td><td>7.5</td><td>7.5</td><td>7.3</td></tr><tr><td>Overwining Ratio</td><td>3.4</td><td>3.4</td><td>4.1</td></tr></table><p>Peak Vector Sum: 2.964 mm/s at 0.010 sec N/A: Not Applicable</p><p>Velocity (mm/s)</p><p>Frequency (Hz)</p><p>Trans + Vert + Long</p><p>Permissible Ground Vibration</p><p>a) Industrial Buildings b) Domestic Houses/structures c) Historic objects, sensitive structures</p><p>Time Scale: 0.20 sec/div Trigger: </p><p>Amplitude Scale: Geo: 2.000 mm/s/div Mic: 1.000 ps (L)/div</p><p>Printed: October 3, 2021 (V 16.72 - 10.72)</p><p>Formal © 1999-2014 Xmark Corporation</p><p>Sensor Check</p></div>	06.09.2021	BENCH=IIN,BID=7--61	150M FROM FACE	10	19.25	2.837	19.09.2021	BENCH=IIN,BID=8--88	150M FROM FACE	19	15.93	1.875		Trans	Vert	Long	PPV	1.529	1.080	2.830	ZC Freq	114	102	93	Time (Rel. to Trig)	0.013	0.005	0.010	Peak Acceleration	0.104	0.089	0.173	Peak Displacement	0.002	0.142	0.004	Sensor Check	Passed	Passed	Passed	Frequency	7.5	7.5	7.3	Overwining Ratio	3.4	3.4	4.1
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(19)	<p>The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. consequent sleeping disorders and stress may affect the health in the villages located close to mining operations .habitations have a right for darkness and minimal noise levels at night .PPs must ensure that the biological clock of the villages is not disturbed , by orienting the floodlights /masks away from the villages and keeping the noise levels well within the prescribed limits day/night hours.</p>	<p>Complying With.</p> <p>Blasting operation is being carried out in day time only. The illumination and Noise level is being monitored and results are well within the limit.</p> <p>Ambient noise level data in dB(A) of period Apr-21 to Sept-21 mention below in Table:</p> <table><tr><th rowspan="2">Month</th><th colspan="2">Near Mines Gate</th><th colspan="2">Near Ravana Office</th></tr><tr><th>DAY</th><th>NIGHT</th><th>DAY</th><th>NIGHT</th></tr><tr><td>Apr-21</td><td>63.3</td><td>57.8</td><td>62.1</td><td>54.3</td></tr><tr><td>May-21</td><td>65.9</td><td>60.1</td><td>61.7</td><td>51.4</td></tr><tr><td>Jun-21</td><td>69.2</td><td>58.3</td><td>63.2</td><td>54.8</td></tr><tr><td>Jul-21</td><td>64.7</td><td>53.9</td><td>60.8</td><td>50.5</td></tr><tr><td>Aug-21</td><td>61.7</td><td>50.5</td><td>54.9</td><td>42.6</td></tr><tr><td>Sept-21</td><td>62.5</td><td>49.7</td><td>57.9</td><td>44.2</td></tr></table> <p>Ambient noise level monitoring report carried out by NABL accredited lab enclosed as Annexure-9.</p>	Month	Near Mines Gate		Near Ravana Office		DAY	NIGHT	DAY	NIGHT	Apr-21	63.3	57.8	62.1	54.3	May-21	65.9	60.1	61.7	51.4	Jun-21	69.2	58.3	63.2	54.8	Jul-21	64.7	53.9	60.8	50.5	Aug-21	61.7	50.5	54.9	42.6	Sept-21	62.5	49.7	57.9	44.2									
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(20)	<p>The project proponent shall take measures for control of noise levels below 85 dBA in the work environment</p>	<p>Complying with,</p> <p>Regular maintenance (including cabin) of HEMM being done to keep noise level within the specified limits.</p>																																																

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	the workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. the PP shall be held responsible in case it has been found that workers/ personals / laborers are working without personal protective equipment.	Workers engaged in operation of HEMM etc. are provided with ear plugs. Onsite tool talk is being provided on daily basis and periodical training given to all employee & workmen.
V	Mining Plan	
(21)	The project proponent shall adhere to approved mining plan , inter alia including , total excavation (quantum of mineral , waste , over burden , inter burden and top soil etc.)mining technology lease area scope of working (method of mining ,overburden & dump management , OB & dump mining , mineral transportation mode, ultimate depth of mining , concurrent reclamation and reclamation at mine closure ;land –use of the mine lease area at various stages of mining scheme as well as at the end of life ; etc.)	Complying with. The mineral, OB, waste, soil etc. are being handled as per approved mining plan. <ul style="list-style-type: none"> • Subgrade generated during FY 2021-22 till Sept 21 was 295636 MT • Top Soil generated during FY 2021-22 till Sept 21 was 8520 MT • OB Waste generated during FY 2021-22 till Sept 21 was 14608 MT
(22)	The shall be governed as per the approved mining plan. The excavation vis-à-vis backfilling in the mine lease area and corresponding afforestation to be raised in the reclaimed area shall be governed as per approved mining plan. PP shall ensure the monitoring and management of rehabilitated areas until the vegetation becomes self-sustaining. the compliance status shall be submitted half-yearly to the MoEFCC and its concerned regional office.	Complying with. As per approved mining plan there are no back filling is proposed.
VI	Land Reclamation	
(23)	The overburden (OB) waste and top soil generated during the mining operations shall be stacked at earmarked OB dump sites (S) only and it should not be kept active for a long period of time. The physical parameters of the OB / waste dumps / topsoil dump like height , width and angle of slope shall be governed as per the approved mining plan and the guideline /circulars issued by D.G.M.S.	Complying with. The top soil is being used for the plantation purpose. The excavated area will be used as water reservoir in 52.879 Ha. at conceptual stage, no backfilling is proposed.


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	the topsoil shall be used for land reclamation and plantation.																										
(24)	The slope of dumps shall be vegetated in scientific manner with suitable native species to maintain the slope stability prevent erosion and surface run-off. the selection of local species regulates local climatic parameters and help in adaption of plant species to the microclimate. the gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dumps. the dump mass should be consolidated with the help of dozer / compactors there by ensuring proper filling / levelling of dump mass. in critical areas use of geo textiles/ geo membranes /clay liners / bentonite etc. shall be undertaken for stabilization of the dump.	<p>Complying with.</p> <p>Presently OB dumps are active, vegetation and geo textile will be done after the dump are inactive or dead. Garland drains with siltation pond has been provided all around the dump.</p>																									
(25)	Catch drains settling tanks and siltation ponds of appropriate size shall be constructed around the mine working minerals yards and top soil/OB waste dumps to prevent run off water and flow of sediments directly into the water bodies (Nallahs/river/pond etc.) the collected water should be utilized for watering the mine area roads green belt development plantation etc. The drains sedimentation sumps etc. shall be de-silted regularly, particularly after monsoon seasons and maintained properly.	<p>Complied with.</p> <p>To collect run off water from subgrade dump and waste dump, garland drain & siltation pit has been constructed. Details are given below: -</p> <table><tr><th>Garland Drain</th><th>Dimensions</th></tr><tr><td>East of Subgrade and waste dump</td><td>Length – 1015m Width – 1.0 m Depth -- 1.0 m</td></tr></table> <p>Siltation pond is being cleaned every year before monsoon.</p>	Garland Drain	Dimensions	East of Subgrade and waste dump	Length – 1015m Width – 1.0 m Depth -- 1.0 m																					
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(26)	Checks dams of appropriate size gradient and length shall be constructed around mine pit and OB dumps to prevent storm runoff and sediment flow into adjoining water bodies. A safety margin of 50 % shall be kept for designing of sump structures over and above peak rainfall (based on 50 years data)and maximum discharge in the mine and its adjoining area which shall also help in providing retention time period thereby allowing proper settling of sediments/silt material the sedimentation pits/ sumps shall be constructed at the corners of the garland drains.	<p>Complying with.</p> <p>Total available rainwater in single day (considering maximum 50 mm rainfall)</p> <p>Subgrade dump & 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 the total capacity of siltation pond is 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><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</p>	Sr. No.	Length (M)	Width (M)	Depth (M)	Capacity (M ³)	1	19	18	3	1026	2.	22	20	3	1320	3.	27	25	3	2025	Total				4371
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		dump area routed to siltation pond.																																																																																																																																							
III	Transportation																																																																																																																																								
(27)	No transportation of the minerals shall be allowed in case of roads passing through villagers/ habitations in such cases PP shall construct a 'bypass' road for the purpose of transportation of the minerals leaving an adequate gap (say at least 200 meters) so that the adverse impact of sound and dust along with chances of accidents could be mitigated. all cost resulting from widening and strengthening of existing public road network shall be borne by the PP in consultation with nodal state govt. department. transportation of minerals through road movement in case of existing village / rural roads shall be allowed in consultation with nodal state govt. department only after required strengthening such that carrying capacity of roads is increased to handle the traffic road. the pollution due to transportation load on the environment will be effectively controlled and water sprinkling will also be done regularly. vehicular emissions shall be kept under control and regularly monitored. project should obtain pollution under control (PUC) certificate for all the vehicles from authorized pollution testing centres [if applicable in case of road transport]	Complying with. Mineral is being transported by own CC road. Periodical vehicle emission monitoring are being carried out, the details are given below. <table><tr><th>Type of Machine</th><th>Tipper No.</th><th>PUC Limit</th><th>Average PUC Limit as per test report</th><th>Date of Testing</th><th>Valid upto</th></tr><tr><td>Tipper</td><td>RJ-09GB-2528</td><td>< 65 %</td><td>23.90%</td><td>11.06.2021</td><td>10.12.2021</td></tr><tr><td>Tipper</td><td>RJ-09GB-2728</td><td>< 65 %</td><td>25.20%</td><td>11.06.2021</td><td>10.12.2021</td></tr><tr><td>Tipper</td><td>RJ-09GB-2828</td><td>< 65 %</td><td>23.80%</td><td>11.06.2021</td><td>10.12.2021</td></tr><tr><td>Tipper</td><td>RJ-09GB-1928</td><td>< 65 %</td><td>23.60%</td><td>11.06.2021</td><td>10.12.2021</td></tr><tr><td>Tipper</td><td>RJ-09GB-8928</td><td>< 65 %</td><td>25.70%</td><td>11.06.2021</td><td>10.12.2021</td></tr><tr><td>Tipper</td><td>RJ-09GB-2628</td><td>< 65 %</td><td>27.20%</td><td>11.06.2021</td><td>10.12.2021</td></tr><tr><td>Tipper</td><td>RJ-09GB-4828</td><td>< 65 %</td><td>21.50%</td><td>11.06.2021</td><td>10.12.2021</td></tr><tr><td>Tipper</td><td>RJ-09GB-5028</td><td>< 65 %</td><td>25.20%</td><td>11.06.2021</td><td>10.12.2021</td></tr><tr><td>Tipper</td><td>RJ-09GB-4928</td><td>< 65 %</td><td>26.50%</td><td>11.06.2021</td><td>10.12.2021</td></tr><tr><td>Tipper</td><td>RJ-09GB-5828</td><td>< 65 %</td><td>20.00%</td><td>11.06.2021</td><td>10.12.2021</td></tr><tr><td>Tipper</td><td>RJ-09GB-5728</td><td>< 65 %</td><td>19.90%</td><td>11.06.2021</td><td>10.12.2021</td></tr><tr><td>Tipper</td><td>RJ-09GB-5928</td><td>< 65 %</td><td>22.20%</td><td>11.06.2021</td><td>10.12.2021</td></tr><tr><td>Tipper</td><td>RJ-09GB-9928</td><td>< 65 %</td><td>20.70%</td><td>11.06.2021</td><td>10.12.2021</td></tr><tr><td>Tipper</td><td>RJ-09GC-0028</td><td>< 65 %</td><td>21.20%</td><td>11.06.2021</td><td>10.12.2021</td></tr><tr><td>Tipper</td><td>RJ-09GD-0896</td><td>< 65 %</td><td>20.10%</td><td>14.06.2021</td><td>13.12.2021</td></tr><tr><td>Tipper</td><td>RJ-09GD-0895</td><td>< 65 %</td><td>19.00%</td><td>14.06.2022</td><td>13.12.2021</td></tr><tr><td>Tipper</td><td>RJ-09GD-0894</td><td>< 65 %</td><td>22.90%</td><td>14.06.2023</td><td>13.12.2021</td></tr><tr><td>Tipper</td><td>RJ-09GC-9198</td><td>< 65 %</td><td>22.30%</td><td>11.06.2021</td><td>10.12.2021</td></tr><tr><td>Tipper</td><td>RJ-09GC-9153</td><td>< 65 %</td><td>19.40%</td><td>11.06.2021</td><td>10.12.2021</td></tr><tr><td>Tipper</td><td>RJ-09GC-9152</td><td>< 65 %</td><td>22.10%</td><td>11.06.2021</td><td>10.12.2021</td></tr><tr><td>Tipper</td><td>RJ-09GC-9155</td><td>< 65 %</td><td>19.30%</td><td>11.06.2021</td><td>10.12.2021</td></tr></table>				Type of Machine	Tipper No.	PUC Limit	Average PUC Limit as per test report	Date of Testing	Valid upto	Tipper	RJ-09GB-2528	< 65 %	23.90%	11.06.2021	10.12.2021	Tipper	RJ-09GB-2728	< 65 %	25.20%	11.06.2021	10.12.2021	Tipper	RJ-09GB-2828	< 65 %	23.80%	11.06.2021	10.12.2021	Tipper	RJ-09GB-1928	< 65 %	23.60%	11.06.2021	10.12.2021	Tipper	RJ-09GB-8928	< 65 %	25.70%	11.06.2021	10.12.2021	Tipper	RJ-09GB-2628	< 65 %	27.20%	11.06.2021	10.12.2021	Tipper	RJ-09GB-4828	< 65 %	21.50%	11.06.2021	10.12.2021	Tipper	RJ-09GB-5028	< 65 %	25.20%	11.06.2021	10.12.2021	Tipper	RJ-09GB-4928	< 65 %	26.50%	11.06.2021	10.12.2021	Tipper	RJ-09GB-5828	< 65 %	20.00%	11.06.2021	10.12.2021	Tipper	RJ-09GB-5728	< 65 %	19.90%	11.06.2021	10.12.2021	Tipper	RJ-09GB-5928	< 65 %	22.20%	11.06.2021	10.12.2021	Tipper	RJ-09GB-9928	< 65 %	20.70%	11.06.2021	10.12.2021	Tipper	RJ-09GC-0028	< 65 %	21.20%	11.06.2021	10.12.2021	Tipper	RJ-09GD-0896	< 65 %	20.10%	14.06.2021	13.12.2021	Tipper	RJ-09GD-0895	< 65 %	19.00%	14.06.2022	13.12.2021	Tipper	RJ-09GD-0894	< 65 %	22.90%	14.06.2023	13.12.2021	Tipper	RJ-09GC-9198	< 65 %	22.30%	11.06.2021	10.12.2021	Tipper	RJ-09GC-9153	< 65 %	19.40%	11.06.2021	10.12.2021	Tipper	RJ-09GC-9152	< 65 %	22.10%	11.06.2021	10.12.2021	Tipper	RJ-09GC-9155	< 65 %	19.30%	11.06.2021	10.12.2021
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**HALF YEARLY COMPLIANCE REPORT OF ENVIRONMENT CLEARANCE OF MANGROL-TILAKHERA
LIMESTONE MINE (ML NO. 07/97) M/S J.K. CEMENT WORKS, MANGROL**

		<table><tr><td>Tipper</td><td>RJ-09GC-0228</td><td>< 65 %</td><td>19.50%</td><td>11.06.2021</td><td>10.12.2021</td></tr><tr><td>Tipper</td><td>RJ-09GC-0128</td><td>< 65 %</td><td>19.60%</td><td>11.06.2021</td><td>10.12.2021</td></tr></table> <p>Vehicle test for PUC report:</p> <div><div><p>Puc No : D3R350124955</p><p>Vehicle No : RJ09GB2728</p><p>Customer Name : ANJUM EXTRACTION PVT.LTD</p><p>Customer Mobile : 8890177878</p><p>Year of Regn : 01-04-2015</p><p>Type of Vehicle : TRUCK</p><p>Make : Ashok Leyland Ltd</p><p>Model : 2518</p><p>Test Date : 11-08-2021</p><p>Time : 02:56:57 PM</p><p>Valid Upto : 10-12-2021</p><p>Center Name : Guru Krupa Mobile Pollution Check Centre</p><p>Center Address : Gandhinagar, Jaipur</p><p>License No : RJ350-GB/03</p><p>Test Result : Pass</p></div><div><p>VALID IN ALL INDIA</p><p>Photo of Vehicle</p></div><div><table><tr><th colspan="4">Flushing Cycle</th></tr><tr><th>Avg</th><th>RPM Min</th><th>RPM Max</th><th>Temp</th></tr><tr><td>656</td><td>1978</td><td>0</td><td></td></tr></table><table><tr><th>Sr. No.</th><th>RPM Min</th><th>RPM Max</th><th>Km</th><th>HSU%</th><th>Temp</th></tr><tr><td>1</td><td>677</td><td>1924</td><td>0.685</td><td>25.5</td><td>000.0</td></tr><tr><td>2</td><td>677</td><td>1956</td><td>0.694</td><td>25.8</td><td>000.0</td></tr><tr><td>3</td><td>677</td><td>1907</td><td>0.647</td><td>24.3</td><td>000.0</td></tr><tr><td>Mean</td><td></td><td></td><td>0.675</td><td>25.2</td><td></td></tr></table><table><tr><th>Prescribed Limit for Diesel vehicle</th><th>1/m(Light Absorption Co-efficient)</th><th>Hartridge Units (HSU) %</th></tr><tr><td>Free Acceleration BS II & III</td><td>2.45</td><td>65</td></tr><tr><td>Free Acceleration BS IV</td><td>1.62</td><td>50</td></tr><tr><td>Free Acceleration BS VI 4/3 wheeler</td><td>0.7 / 1.5</td><td>24 / 48</td></tr></table><p>Validity Six Months for Bharat Stage III or below and one year for Bharat Stage IV/V vehicles.</p><p>Certificate price: ₹ 100</p></div></div> <div><p>Get Certificate renewed within the expiry date.</p><table><tr><td>Seal of Testing Station</td><td>Testing Station Code D3R350</td><td>Authorised Signatory</td></tr></table><p>CERTIFICATE IS ONLY VALID IF THIS RECEIVED FROM REALTRANSPORT DEPT. KINDLY DESTROY THE INVALID CERTIFICATE.</p><p>Transport Dept. Govt. of Rajasthan</p><div><p>Veh Reg No : RJ09GB2728</p><p>PUC No : D3R350124955</p><p>Valid up to : 10-12-2021</p><p>Scan QR Code to Validate</p></div><div><p>Veh Reg No : RJ09GB2728</p><p>PUC No : D3R350124955</p><p>Valid up to : 10-12-2021</p><p>Scan QR Code to Validate</p></div></div>	Tipper	RJ-09GC-0228	< 65 %	19.50%	11.06.2021	10.12.2021	Tipper	RJ-09GC-0128	< 65 %	19.60%	11.06.2021	10.12.2021	Flushing Cycle				Avg	RPM Min	RPM Max	Temp	656	1978	0		Sr. No.	RPM Min	RPM Max	Km	HSU%	Temp	1	677	1924	0.685	25.5	000.0	2	677	1956	0.694	25.8	000.0	3	677	1907	0.647	24.3	000.0	Mean			0.675	25.2		Prescribed Limit for Diesel vehicle	1/m(Light Absorption Co-efficient)	Hartridge Units (HSU) %	Free Acceleration BS II & III	2.45	65	Free Acceleration BS IV	1.62	50	Free Acceleration BS VI 4/3 wheeler	0.7 / 1.5	24 / 48	Seal of Testing Station	Testing Station Code D3R350	Authorised Signatory
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(28)	The main haulage road within the mine lease should be provided with a permanent water sprinkling arrangement for dust suppression. other roads with in the mine lease should be wetted regularly with tanker-mounted water sprinkling system. The other areas of dust generation like crushing zone, material transfer points, material yards etc. should invariably be provide with dust suppression arrangements the air pollution control equipment's like bag filter, vacuum suction hoods, dry fogging system etc. shall be installed at crusher belt-conveyors and other areas prone to air pollution. the belt transportation. PP shall take necessary measures to avoid generation of fugitive dust emissions.	<p>Complying with,</p> <p>Tanker-mounted water sprinkling system has provided for control of fugitive dust emission & regular water sprinkling carried out on loading unloading point, transfer point as well as the haul roads to prevent the dust becoming air borne during transportation movement of vehicles by water tanker.</p> <p>Fugitive emission monitoring also carried out regularly.</p>																																																																					
VIII	Green Belt																																																																						
(29)	The project proponent shall develop greenbelt in 7.5 m wide safety zone all along the mine lease boundary as per the guidelines of CPCB in order to arrest pollution emanating from mining operations within the lease. the whole green belt shall be developed with in first 5 years starting from windward side of the active mining area. The development of greenbelt shall be governed as per the EC granted by the	<p>Complying With.</p> <ul style="list-style-type: none">Total Planation required in 15.0576 ha.Plantation done till FY 2020-21 with 44385 nos. sapling.Total plantation done in 16.31 ha. till FY 2020-21.After counting of survival % the total plantation survived till FY 2020-21 is 22108 nos.Total safety zone area (7.5m) is 1.95 ha.Plantation done till FY 2020-21 in safety zone is 0.23 ha.																																																																					

**HALF YEARLY COMPLIANCE REPORT OF ENVIRONMENT CLEARANCE OF MANGROL-TILAKHERA
LIMESTONE MINE (ML NO. 07/97) M/S J.K. CEMENT WORKS, MANGROL**

	ministry irrespective of the stipulation made in approved mine plan.	<ul style="list-style-type: none"> The balance area of safety zone plantation in 1.2 ha has been completed during April 21 to sept 21. <p>Total plantation done in safety zone till sept 21 is 13766 nos. including gap filling.</p>
(30)	The project proponent shall carryout plantation /afforestation in backfilled and reclaimed area of mining lease, around water body, along the roadsides, in community areas etc. by planting the native species in consultation with the state forest department / agriculture department/ rural development department / tribal welfare department/gram panchayat such that only those species be selected which are of use to the local people. the CPCB guidelines in this respect shall also be adhered the density of the trees should be around 2500 saplings per hectare. adequate budgetary shall be made for protection and care of tress.	<p>Complying with,</p> <p>The is no back filling proposed, details of plantation as mentioned above.</p>
(31)	The project proponent shall make necessary alternative arrangement for livestock feed by developing grazing land with a view to compensate those areas which are coming within the mine lease the development of such grazing land shall be done in consultation with the state government. in this regard project proponent should essentially implement the directions of the Hon'ble supreme court with regard to acquisition of grazing land. the sparse trees on such grazing ground which provide mid-day shelter from the scorching sun, should be scrupulously guarded/ protected against feeling and plantation of such trees should be promoted.	<p>Complying with.</p> <p>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.</p>
IX	Public hearing & Human Health Issues	
(32)	Project proponent shall make provisions for the housing for workers/labors or shall construct labors camps within/ outside (company owned land) with necessary basic infrastructure / facilities like fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care crèche for kids etc. the housing may be provided in the form of temporary structured which can be removed after the completion of the project related infrastructures. the domestic waste should be treated with	<p>Complied.</p> <p>A separate residential colony has been developed, where all the basic amenities are available and STP has installed for sewage treatment.</p>

HALF YEARLY COMPLIANCE REPORT OF ENVIRONMENT CLEARANCE OF MANGROL-TILAKHERA LIMESTONE MINE (ML NO. 07/97) M/S J.K. CEMENT WORKS, MANGROL

	STP in order to avoid contamination of underground water.	
X	Corporate Environment Responsibility (CER)	
(33)	The Project proponent shall submit the time-bound action plan to the concerned regional; office of the ministry within 6 months from the date of issuance of environmental clearance for undertaking the activities committed during public consultation by the project proponent and as discussed by the EAC, in terms of the provisions of the MoEF & CC office memorandum No.22/65/201-IA.III dated 30 September,2020. The action plan shall be implemented within three years of commencement of the project.	<p>Complying with.</p> <p>Public hearing commitment compliance status are given below;</p>

S. No.	Activities	Action undertaken	Cost (lacs)	Capital investment year wise (in lacs)							
			capital	I year (21-22)	Work Completion Status	Cost expenditure (in Lacs)	II year	III Year	IV year	V Year	
1	Control of dust emission generated due to Blasting & Transportation	<ul style="list-style-type: none">▪Use of Controlled blasting technique. Noise & vibration are well within the prescribed norms.▪Use of wet drilling▪Water spray on haul roads▪Avenue plantation▪The mine lease is overlapped with the plant area & no major traffic contribute due to the mine is traversing on the public road.	(Part of regular operation)	--				--	--	--	--
2	Praise for the plantation in ML area & nearby area	<ul style="list-style-type: none">▪Company will continue to do the same.	46.72	10.72				9	9	9	9
3	SHG groups are appreciated for skill development plan	<ul style="list-style-type: none">▪Company will continue the skill development plans such as Beauty parlor, sewing programmes, etc..	0	--	Completed	5	--	--	--	--	
4	Education for farmers	<ul style="list-style-type: none">▪Company will arrange the visit of agricultural expert	0	8	On going	0	--	--	--	--	
5	Drinking Water supply to the villagers	<ul style="list-style-type: none">▪ Company will supply Drinking Water tankers to the villagers	0	7.6	Completed	4	--	--	--	--	
6	Regular Health & Medical facility	<ul style="list-style-type: none">•Company will provide the mobile medical facilities with free of cost medicines.	0	3	Completed	4	--	--	--	--	
7	Praise for Eduction in JK ITI College & for Scholarship	<ul style="list-style-type: none">•Company will continue the efforts for improving the educational status of the area.	0	4	Completed	2	--	--	--	--	
TOTAL			46.72	33.32		15	9	9	9	9	
XI		Miscellaneous									

**HALF YEARLY COMPLIANCE REPORT OF ENVIRONMENT CLEARANCE OF MANGROL-TILAKHERA
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(34)	The project proponent shall prepare digital map (land use & land cover) of the entire lease area once in 5 years purpose of monitoring land use pattern and submit a report to concerned regional office of the MoEF & CC .	Complying with. The last digital land use map has been submitted vide letter no. MGR/PC-14/C-11/5391 on 02/03/2020 and further report will be submitted in due period.
(35)	The project authorities should inform to the regional office regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	Complying with. The total project cost is Rs. 29.25 cr. after expansion.
(36)	The project proponent shall submit six monthly compliance reports on the status of the implementation of the stipulated environmental safeguards to the MOEFCC & its concerned regional office , central pollution control board and state pollution control board.	Complying with. We are periodically submitting the six monthly EC compliance report to concern authority. The pervious report submitted on 29.05.2021.
(37)	A separate environmental management cell with suitable qualified manpower should be set up under the control of a senior executive. The senior executive shall directly report to head of the organization. Adequate number of qualified environmental scientist and mining engineers shall be appointed and submit a report to RO, MoEFCC.	Complied with. A separate environmental management cell has been established with qualified personnel & has sufficient monitoring equipment in environmental laboratory.
(38)	The concerned regional office of the MoEFCC shall randomly monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the MoEFCC officers by furnishing the requisite data/ information / monitoring reports.	Agreed & noted
(39)	In pursuant to ministry's O.M. No. 22/34/2018-IA.III dated 16.01.2020 to comply with the direction made by Hon'ble supreme court on 08.01.2020 in W.P.(civil) No.114/2014 in the matter common cause vs union of India the mining lease holder shall after ceasing mining operations undertake re-grassing the mining area and any other area which may have been disturbed due to other mining activities and restore the land to a condition which is fit for growth of fodder , flora, fauna etc.	Agreed. After end of mining life, regressing will be done as per the approved progressive mine closure plan.
(40)	The ministry or any other competent authority may alter/modify the above conditions or stipulate any further	Agreed & noted

**HALF YEARLY COMPLIANCE REPORT OF ENVIRONMENT CLEARANCE OF MANGROL-TILAKHERA
LIMESTONE MINE (ML NO. 07/97) M/S J.K. CEMENT WORKS, MANGROL**

	condition in the interest of environment protection.	
(41)	Concealing factual data or submission of false /fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attracts action under the provisions of environment (protection) Act, 1986.	Agreed & noted
19.	The above conditions will be enforced in-er-alia , under the provisions of the water (prevention & control of pollution) Act, 1974, the air (prevention & control of pollution) Act, 1981, the environment (protection) act , 1986 and the public liability insurance act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble supreme court of India/High court and any other court of law relating to the subject matter.	Agreed & noted
20.	Any appeal against this environmental clearance shall lie with the national green tribunal, if preferred within a period of 30 days as prescribed under section 16 of the national green tribunal Act, 2010.	Agreed & noted
21.	This issues with the approval of competent authority.	Agreed & noted

राजस्थान सरकार

कार्यालय उप वन संरक्षक, चित्तौड़गढ़ (राज.)

(वन विभाग परिसर, प्रताप सर्किल, चित्तौड़गढ़-312001; Ph&Fax :01472-294001 ;email : dcf.chitor.forest@rajasthan.gov.in)

क्रमांक :- एफ ()सर्वे/उवस/2021-22/4089

दिनांक :- 13.7.2021

निमित्त,

संभागीय मुख्य वन संरक्षक,
उदयपुर

विषय :- Request for approval of combined Wildlife Conservation Plan for Six 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 bengaliensis*) proposed by J.K. Cement Works(J.K. Cement, Nimbahera, J.K. Mangrol Cement plant, Ahirpura Limestone Mine, Karunda Limestone Mine, Maliakhera Limestone Mine, Mangrol Kimestone mine and Mangrol- Tilakhera Limestone Mine) Tehsil- Nimbahera, Dist- Chittorgarh (Rajasthan).

प्रसंग :- प्रधान मुख्य वन संरक्षक एवं मुख्य वन्यजीव प्रतिपालक, अरण्य भवन, झालाना संस्थानिक क्षेत्र, राजस्थान, जयपुर का पत्र क्रमांक एफ.11(419) विकास-II/मुवजीप्र/2020-21/4-6 दिनांक 4.1.2021 एवं आपका पत्र क्रमांक 484 दिनांक 19.1.2021 एवं 1793 दिनांक 17.3.2021 व J.K. Cement Works, (J.K. Cement, Nimbahera) का पत्र क्रमांक - दिनांक 29.6.2021 के क्रम में।

महोदय,

उपरोक्त विषयान्तर्गत निवेदन है, कि प्रासंगिक पत्र द्वारा Wildlife Conservation Plan में लगाए गए आक्षेपों की पूर्ति की जाकर निम्नानुसार प्रेषित है :-

क्र.सं.	आक्षेप	प्रत्युत्तर
1	पर्यावरण एवं जलवायु परिवर्तन मंत्रालय केन्द्र सरकार/ राज्य सरकार द्वारा जारी ToR पत्र की प्रति संलग्न कर प्रस्तुत करें।	प्रयोक्ता एजेन्सी द्वारा ToR की प्रतियां संलग्न कर दी गई है।
2	एनेक्सचर-1 के बिन्दु संख्या 1 से 14 तक पूर्ण रूप से भरकर उप वन संरक्षक द्वारा प्रमाणित कराया जावे एवं इस के बिन्दु संख्या-9 में वित्तीय प्रावधान फोरमुला-1 व फोरमुला-2 के अनुसार गणना कर जो भी अधिकतम परियोजना लागत दर्शायी जावे।	एनेक्सचर-1 के बिन्दु संख्या 1 से 14 तक पूर्ण रूप से भरकर उप वन संरक्षक द्वारा प्रमाणित कर दिया गया है एवं इस के बिन्दु संख्या-9 में वित्तीय प्रावधान फोरमुला-1 व फोरमुला-2 के अनुसार गणना कर ली गई है तथा अधिकतम परियोजना लागत दर्शायी जा चुकी है।
3	इस कार्यालय द्वारा जारी दिशा निर्देशों दिनांक 24.5.2019 के अनुसार WCP के 20% धनराशि RPACS के खाता संख्या 61087162999 IFSC Code SBIN0031510 में जमा कर प्राप्ति रसीद इस कार्यालय को प्रस्तुत करें।	प्रयोक्ता एजेन्सी द्वारा बैंक संख्या 00245671 राशि 57,07,000/- RPACS के खाता संख्या 61087162999 में जमा करवा दी गई है।



4	आवेदित खनन पट्टा क्षेत्र से 10 कि.मी. परिधि के दायरे में वन्यजीव/टाईगर रिजर्व या सेन्चूरी नहीं होने का पत्र उप वन संरक्षक, चित्तौड़गढ़ के द्वारा जारी कर WCP में संलग्न करें।	आवेदित खनन पट्टा क्षेत्र से 10 कि.मी. परिधि के दायरे में वन्यजीव/टाईगर रिजर्व या सेन्चूरी नहीं होने का प्रमाण पत्र उप वन संरक्षक, वन्यजीव चित्तौड़गढ़ के पत्र क्रमांक 2909 दिनांक 22.4.2021 प्रेषित किया गया है प्रति संलग्न है।
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संलग्न :- उपरोक्तानुसार

भवदीय

(सुगना राम जाट)

उप वन संरक्षक,

चित्तौड़गढ़

दिनांक :- 13.7.2021

क्रमांक :- एफ () सर्वे/उवस/2021-22/4090-91
प्रतिलिपि :-

1. प्रधान मुख्य वन संरक्षक एवं मुख्य वन्यजीव प्रतिपालक, अरण्य भवन, झालाना संस्थानिक क्षेत्र, राजस्थान, जयपुर।

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

(सुगना राम जाट)

उप वन संरक्षक,

चित्तौड़गढ़



o/c
JK Cement LTD.

CIN : L17229UP1994PLC017199

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

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

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

NBH/PC/C-FO/21/

Date: 29.06.2021

To,
The Divisional Forest Officer
Chittorgarh, Rajasthan

Sub.: Regarding submission of desired documents sought by DFO, Chittorgarh for approval of combined Wildlife Conservation Plan for six Schedule-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/ bengalensis*) for M/s J.K.Cement Works-Nimbahera, J K Cement Works-Mangrol, Nimbahera-Ahirpura Limestone Mine (ML No.02/1997), Karunda Limestone Mine (ML No.03/2003), Maliakhara Limestone Mine (ML No.04/2003), Mangrol-Tilakhara Limestone Mine (ML No.07/1997) and Mangrol Limestone Mine (ML No.26/2008) in Tehsil Nimbahera, District - Chittorgarh, Rajasthan.

Reference: 1.DFO letter no.F () Survey/DFO/2021-22/3252, Chittorgarh, Dated 10.06.2021.
2.PCCF Letter No. F.11(419) DEV-II/ PCCF-CWLW/2020-21/4, Jaipur, Dated 04.01.2021.

Respected Sir,

Kindly refer to the above subject matter and referred letter, we are enclosing herewith pointwise reply as under: -

Point No.1: Submission of TOR letters granted by the Ministry of Environment, Forest and Climate Change, Govt of India.

Compliance: Copy of TOR Letters of above projects granted by MOEF &CC has been submitted vide letter no. NBH/PC/C/EC/112020-21, dated 21/01/2021.

Point No.2: Submission of duly filled annexure-1 from point no 1 to 14 & calculation of financial outlay in point no.9 as per the formula-1 & 2 and duly authenticated by DFO.

Compliance: Dully filled Annexure-I (Sr. No. 1 to 14) has been submitted with financial outlay according to formula 1 and 2. Financial outlay of formula-2 is enclosed herewith for Rs. 285.35 lakh in Annexure-1 as mention in letter received from your office dated 10.06.2021.

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

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

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





JK Cement LTD.

CIN : L17229UP1994PLC017199

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

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

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

Point No.3: Deposition of 20% amount of WCP as per the CWLW guidelines dated 24th May 2019 and submit the receipt.

Compliance: Receipt of amount 57.07 Lakh deposited into account of RPACS on dated 28.06.2021, Jaipur, (20% of 285.35 Lakh, approved cost of Wilf life conservation plan) enclosed as Annexure-2.

Point No.4: Submission of certificate from the DFO Chittorgarh for non-existence of Wildlife Sanctuary /Tiger Reserve or sanctuary within the 10 Km radius of the Projects.

Compliance: A copy of NOC for no Wildlife Sanctuary/ Tiger Reserve or Sanctuary present in the 10 Km radius of the above project issued by DFO Chittorgarh, enclosed as Annexure-3.

Thanking You,

Yours Faithfully,

J.K. Cement Works, Nimbahera

R.B.M. Tripathi
(President(O)& Unit Head)

R.B.M. TRIPATHI
UNIT HEAD
J. K. Cement Works
Nimbahera, Mangrol (Raj.)

Enclosed as above

Copy to: The Principal Chief Conservator of Forests,
Chief Wildlife Warden (CWLW), Jaipur, Rajasthan

5
व
25
1-07-2021
D



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



राजस्थान सरकार

कार्यालय उप वन संरक्षक, चित्तौड़गढ़ (राज.)

(वन विभाग परिसर, प्रताप सर्किल, चित्तौड़गढ़-312001; Ph&Fax :01472-294001; email : dcf.chitor.forest@rajasthan.gov.in)

क्रमांक :- एफ () सर्वे/उवस/2021-22/ 3252

दिनांक :- 10.6.2021

निमित्त,

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

विषय :- Request for approval of combined Wildlife Conservation Plan for Six 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 bengaliensis*) proposed by J.K. Cement Works(J.K. Cement, Nimbahera, J.K. Mangrol Cement plant, Ahirpura Limestone Mine, Karunda Limestone Mine, Maliakhera Limestone Mine, Mangrol Kimestone mine and Mangrol- Tilakhera Limestone Mine) Tehsil- Nimbahera, Dist- Chittorgarh (Rajasthan).

प्रसंग :- प्रधान मुख्य वन संरक्षक एवं मुख्य वन्यजीव प्रतिपालक, अरण्य भवन, झालाना संस्थानिक क्षेत्र, राजस्थान, जयपुर का पत्र क्रमांक एफ.11(419) विकास-II/मुवजीप्र/2020-21/4-6 दिनांक 4.1.2021 एवं आपका पत्र क्रमांक 484 दिनांक 19.1.2021 एवं 1793 दिनांक 17.3.2021 के क्रम में।

महोदय,

उपरोक्त विषयान्तर्गत लेख है, कि प्रासंगिक पत्र द्वारा Wildlife Conservation Plan में लगाए गए आक्षेपों की पूर्ति हेतु आपको इस कार्यालय के पत्र क्रमांक 335 दिनांक 19.1.2021 से लिखा गया। आपके द्वारा दिनांक 21.1.2021 को प्रस्तुत प्रत्युत्तर का परिक्षण करने पर पाया गया कि आप द्वारा प्रेषित Wildlife Conservation Plan 285.35 लाख का प्रेषित किया गया है, किन्तु RPACS में राशि 13.07 लाख ही जमा करवाया जाना प्रस्तावित किया गया है।

अतः आप प्रधान मुख्य वन संरक्षक एवं मुख्य वन्यजीव प्रतिपालक, राजस्थान जयपुर के प्रासंगिक पत्र के आक्षेप संख्या 3 अनुसार Wildlife Conservation Plan की पूर्ण लागत 285.35 लाख रु. का 20% राशि RPACS में जमा करवाया जाना सुनिश्चित करें। आपकी सुविधा हेतु खाता संख्या विवरण के लिए प्रासंगिक पत्र की छाया प्रति संलग्न प्रेषित है।

संलग्न :- उपरोक्तानुसार

(सुगना राम जाट)
उप वन संरक्षक,
चित्तौड़गढ़

कार्यालय प्रधान मुख्य वन संरक्षक एवं मुख्य वन्य जीव प्रतिपालक, अरण्य
भवन, झालाना संस्थानिक क्षेत्र, राजस्थान, जयपुर

फोन नम्बर: 0141-2700151

ई-मेल: cwlw.raj@gmail.com

क्रमांक : एफ.11(419)विकास-II/मुवजीप्र/2020-21/4
निमित्त,

दिनांक : 11-01-2021

सम्भागीय मुख्य वन संरक्षक,
उदयपुर।

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 (Cains lupus pallipes) Indian Monitor Lizard (Varanus bengalensis) and Indian Vulture (gyps indicus/gypts bengaliensis) proposed by J.K. Cement works Nimbahera, J.K. Cement Works Mangrol Ahirpura Limestone Mine, Mangrol Limestone Mine and Mangrol-Tilakhhera Limestone Mine) Tehsil-Nimbahera, District-Chittorgarh (Raj.).

संदर्भ:- उप वन संरक्षक(एफ.सी.ए.) कार्यालय प्रधान मुख्य वन संरक्षक (हॉफ) के पत्रांक 2967 एवं आपका पत्रांक 5002 दिनांक 24.09.2020 के क्रम में।

महोदय,

विषयान्तर्गत संदर्भित पत्र के क्रम में लेख है कि इस कार्यालय के पत्रांक 6451-6483 दिनांक 24.05.2019 के अनुसार वाईल्डलाईफ कंजर्वेशन प्लान मूल ही लौटाकर निम्नांकित आक्षेप की पूर्ति कर भिजवायें :-

1. पर्यावरण एवं जलवायु परिवर्तन मंत्रालय केन्द्र सरकार/राज्य सरकार द्वारा जारी ToR पत्र की प्रति संलग्न कर प्रस्तुत करें।
2. एनेक्सर-1 के बिन्दु संख्या 1 से 14 तक पूर्ण रूप से भरकर उप वन संरक्षक द्वारा प्रमाणित कराया जावे एवं इस के बिन्दु संख्या-9 में वित्तीय प्रावधान फोरमूला-1 व फोरमूला-2 के अनुसार गणना कर जो भी अधिकतम परियोजना लागत दर्शायी जावे।
3. इस कार्यालय द्वारा जारी दिशा निर्देशों दिनांक 24.05.2019 के अनुसार WCP के 20% धनराशि RPACS के खाता संख्या 61087162999 IFS Code SBIN0031510 में जमा कर प्राप्ति रसीद इस कार्यालय को प्रस्तुत करें।
4. आवेदित खनन पट्टा क्षेत्र से 10 कि.मी. परिधि के दायरे में वन्यजीव अभयारण्य/टाईगर रिजर्व या सेन्चुरी नही होने का पत्र उप वन संरक्षक, चित्तौड़गढ़ के द्वारा जारी कर WCP में संलग्न करें।

उपरोक्तानुसार पालना के पश्चात् स्वीकृति जारी की जायेगी।

संलग्न :- उपरोक्तानुसार,
(मूल प्रस्ताव 2 प्रतियों में)

PCA
8/1/21

140
12/4/21

भवदीय,

(एम.एल. मीना)

प्रधान मुख्य वन संरक्षक एवं मुख्य
वन्यजीव प्रतिपालक,
राजस्थान, जयपुर

क्रमांक : एफ.11(419)विकास-II/मुवजीप्र/2020-21/

दिनांक :

प्रतिलिपि : निम्न को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित है :-

1. उप वन संरक्षक, चित्तौड़गढ़।
2. Unit Head M/s J.K. Cement works Nimbahera, District-Chittorgarh (Raj.).

प्रधान मुख्य वन संरक्षक
एवं मुख्य वन्यजीव प्रतिपालक,
राजस्थान, जयपुर

PROJECT:- J.K. CEMENT WORKS NIMBAHERA, J.K. CEMENT WORKS MANGROL, NIMBAHERA-AHIRPURA LIMESTONE MINE, KARUNDA LIMESTONE MINE, MALIAKHERA LIMESTONE MINE, MANGROL LIMESTONE MINE AND MANGROL-TILAKHERA LIMESTONE MINE
 APPLICANT:- J. K. CEMENT WORKS
 DOCUMENT NO.-: COMBINED WILDLIFE CONSERVATION PLAN

Financial outlay of WCP 285.35 Lakh for combined wildlife conservation plan for J.K. CEMENT WORKS NIMBAHERA, J.K. CEMENT WORKS MANGROL, NIMBAHERA-AHIRPURA LIMESTONE MINE, KARUNDA LIMESTONE MINE, MALIAKHERA LIMESTONE MINE, MANGROL LIMESTONE MINE AND MANGROL-TILAKHERA LIMESTONE MINE, YEAR 2021

S.No	Activities	Year Wise Fund Allocation (in Lakhs)										Total	
		1 st	2 nd	3 rd	4 th	5 th	6 th	7 th	8 th	9 th	10 th		
1	Habitat improvement & mitigative measures (Food, Water, shelter, Movement etc) and measures to reduce/minimize the human-animal conflict (50% of total outlay of WCP = 142.67 lacs.)												
1a	Plantation including maintenance in forest area and buffer zone in consultation with DFO Chittorgarh suitable for peafowl and other birds	-	5	5	7	7	10	10	15	15	14.67	88.67	
1b	Rejuvenation of existing water bodies in forest area	-	5	5	5	6	6	6	7	7	7	45	
1.	Awareness and extension (Forest staff will also be invited for various activities to ensure Participation) 10% of total outlay of WCP = 28.53 lacs)												
2a	Provision of Awareness and educational programme for wildlife, biodiversity significance at school level, village level and Gram Panchayat level in consultation of forest department.	-	2	2	2	3	3	3	4	4	5.54	28.53	
3	Support for Forest Department for monitoring, rescue & rehabilitation of wildlife Veterinary care, animal health, rescue, tools and equipment etc. (10% of total outlay of WCP = 28.53 lacs)												
3a	Provision for necessary Veterinary medicine and rescue etc	-	2	2	2	3	3	3	4	4	5.54	28.53	
4	Contribution towards conservation of wildlife in Pas (to be deposited in RPACS) Wetland Development, Research & Monitoring – Wildlife, census of wildlife etc (10% of total outlay of WCP = 28.53 lacs)												
4a	Provision for Research and monitoring etc.	28.53	-	-	-	-	-	-	-	-	-	28.53	
5	Administration Cost for processing inspection etc (to be deposited in RPACS) (10% of total outlay of WCP = 28.53 lacs)												
5a	Administration Cost for processing inspection etc	28.53	-	-	-	-	-	-	-	-	-	28.53	
6	Miscellaneous including Eco-Development and capacity building (10% of total outlay of WCP = 28.53 lacs)												
6a	Miscellaneous including Eco-Development and capacity building	-	2	2	2	3	3	3	4	4	5.54	28.53	
	TOTAL FOR WCP FOR TOR PROJECTS	57.06	16	16	18	22	25	25	34	34	38.29	285.35	



ENKAY ENVIRO SERVICES PVT. LTD., JAIPUR

उप वन संरक्षक
चित्तौड़गढ़

J.K. Cement LTD

R.B.M. TRIPATHI

UNIT HEAD

J. K. Cement Works
Nimbahera, Mangrol, Ahirpura

(Signature)

ANNEXURE-2**M/s JK Cement Works Nimbahera,**

Deposition of 20% amount of WCP as per the CWLW guidelines dated 24th May 2019,

Details are under

Post Date	Remitter Branch	Description	Cheque No.	Debit Amount(Rs.)
28/06/2021	NIMBAHERA	CHQ TRANSFER PRINCIPAL CHIEF IDIBR52021062823940774	00245671	5707000.00


R.B.M. TRIPATHI
UNIT HEAD
J. K. Cement Works
Nimbahera, Mangrol (Raj.)

कार्यालय उप वन संरक्षक, वन्यजीव, चित्तौड़गढ़

Phone No. 01472-244915.

E-mail ID – dcfwlchittorgarh@gmail.com

क्रमांक : एफ() सर्वे/उवसं/वजी/2020-21/

दिनांक:

निमित्त

उप वन संरक्षक

चित्तौड़गढ़

विषय :- Request for approval of combined wildlife conservation plan for 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 bengaliensis*) proposed by J.K. Cement Works(J.K. Cement Nimbahera, J.K. Mangrol Cement Plant, Ahirpura Limestone Mine, Karunda Limestone Mine, Malikhera Limestone Mine, Mangrol Limestone Mine, Mangrol-Tilakhera Limestone Mine) Tehsil-Nimbahera, Dist-Chittorgarh (Rajasthan)

प्रसंग :- आपका पत्र क्रमांक 2050 दिनांक 01.04.2021 के कम में।

महोदय,

उपरोक्त विषयान्तर्गत प्रासंगिक पत्र के कम में निवेदन हैं कि प्रधान मुख्य वन संरक्षक एवं मुख्य वन्यजीव प्रतिपालक राजस्थान जयपुर के पत्रांक एफ 11(419)विकास-ग/मुवजीप्र/2020-21/5-6 दिनांक 4.1.2021 में उल्लेखित बिन्दु संख्या 4 अनुसार मैसर्स जे.के. सीमेन्ट वर्क्स के निम्नांकित खनन पट्टा एवं सीमेन्ट प्लान्ट इस कार्यालय अधिनस्थ आने वाले बस्सी एवं सीतामाता वन्यजीव अभयारण्य के 10 किमी. परिधि में स्थित नहीं है-

S. No.	M.L. No./ Plant name	Name of Lease/Plant
1	J.K. Cement Works-Nimbahera	J.K. Cement Works-Nimbahera
2	J K Cement Works- Mangrol	J K Cement Works- Mangrol
3	ML No. 02/1997	Ahirpura Limestone Mine
4	ML No. 03/2003	Karunda Limestone Mine
5	ML. No. 04/2003	Malikhera Limestone Mine
6	ML No. 07/1997	Mangrol-Tilakhera Limestone Mine
7	ML No. 26/2008	Mangrol Limestone Mine

भवदीय

(डॉ. टी. मोहनराज)

उप वन संरक्षक

वन्यजीव, चित्तौड़गढ़

क्रमांक : एफ() सर्वे/उवसं/वजी/2020-21/ 2910

दिनांक : 22.04.2021

प्रतिलिपि : मैसर्स जे.के. सीमेन्ट वर्क्स, कैलाश नगर, निम्बाहेड़ा, जिला-चित्तौड़गढ़ को सूचनार्थ प्रेषित है।

(डॉ. टी. मोहनराज)

उप वन संरक्षक

वन्यजीव, चित्तौड़गढ़

UTR Number	IDIBR52021062823940774		
Value Date:	28/06/2021		
Amount	5707000.00	INR	
Related Ref.No:		Commission	0

Beneficiary Details

Beneficiary A/C: 61087162999
 Benef. Name And Address:
 PRINCIPAL CHIEF CONSERVATOR OF
 FORESTS WILD LIFE

Beneficiary bank/branch

IFSC Code: SBIN0031510

Details of Payment:

RTGS

Error Code

Remitting Customer Details

Account Number: 00000021411544392
 Remitter's Name And Address:
 M/s. J K CEMENT LIMITED
 J K CEMENT LTD
 KAMLA TOWER
 KANPUR Kanpur M Corp O

Sender's To Receiver Information

Sender IFSC Code IDIB000N598

Close





JK Cement Works, Nimbahera

A unit of JK Cement Ltd.

CIN: L17229UP1994PLC017199

Kailash Nagar - 312617, Nimbahera Distt., Chittorgarh (Raj.) INDIA

☎ +91-1477-220098, 220087 ✉ jkc.nbh@jkcement.com

🌐 www.jkcement.com

JKCW/Mangrol -Tilakhera/EC-Comp /2021-22

Dated: 27.10.2021

The Director,
Department of Mines and Geology, Udaipur (Rajasthan)

Dear Sir,

Sub: Statutory Compliance of Standard Condition(s) of Environment Clearance granted for Mangrol -Tilakhera Limestone Mine of J.K. Cement Works (A Unit of J.K. Cement Ltd.). - Regarding Compliance of Judgement of Hon'ble Supreme Court dated 02nd Aug. 2017 in the matter of Common Cause.

We have been granted Environment Clearance for expansion of Mangrol -Tilakhera Limestone mine (ML No 07/1997, Area 299.20 Ha) from 1.6 Million TPA to 2.4 Million TPA vide letter No. F. NO. J-11015/25/2011-IA. II (M) dated 03.03.2021. In Page no 5, under Standard Conditions, Clause I, Point No. (2) mentions about the compliance to judgement of Hon'ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of *Common Cause versus Union of India & Ors* before commencing the Mining operations.

We are enclosing production data of our Mangrol -Tilakhera Limestone Mine from 1978-79 to 2020-21 for your kind information, reference and record. Sir, please let us know that pursuant to the Common Cause judgment penalty, if any, is applicable on us.

We shall be happy to provide further document and/or information required by your good self.

Sir, we are making preparations to initiate production based on the EC approval for the expanded capacity from 2nd week of November 2021, we therefore humbly request for an early intimation of action(s) needed at our end to comply with the conditions laid down. We also request you to afford us an opportunity of personal hearing in order to resolve the matter at the earliest.

Thanking You,

Yours Faithfully,

For J K Cement Works

(Authorized Signatory)

Encl:

- Environment clearance for Mangrol -Tilakhera Mines
- Year wise Limestone production of Mangrol -Tilakhera Mines

CC. Asst. Mining engineer, Department of Mines and Geology, Nimbahera

Corporate Office

- Padam Tower, 19 DDA Community Centre Okhla, Phase - 1, New Delhi - 110020, India
- ☎ +011-49220000
- ✉ admin.padamtower@jkcement.com
- 🌐 www.jkcement.com

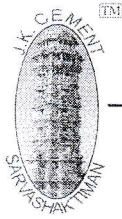
**JK SUPER
CEMENT**
BUILD SAFE

Manufacturing Units at:

Nimbahera, Mangrol, Gotan (Rajasthan) | Muddapur (Karnataka)
Jharia (Haryana) | Katni (M.P.) | Aligarh (U.P.) | Balasinor (Gujarat)

JK CEMENT
WallMaxX
White Cement Wall Putty





JK Cement LTD.

CIN : L17229UP1994PLC017199

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

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 Web : www.jkcement.com

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

MGR/PC/A/11-

Date: 04.03.2021

To,
 The Regional Officer
 Rajasthan State Pollution Control Board
 Near FCI Godawn, Chanderiya
 Chittorgarh (Rajasthan)

Sub: Regarding information for grant of Environmental Clearance for Mangrol -Tilakhera Limestone Mine (ML no. 07/97) at village Mangrol & Tilakhera, Tehsil Nimbahera, Dist. Chittorgarh (Rajasthan) by M/s J. K. Cement Ltd.

Dear Sir,

Kindly refer to the above subject matter, we hereby intend to environment clearance has been granted by the MoEF vide letter no. F. No. J-11015/25/2011-IA.II (M) dated 03.03.2021 for expansion of production capacity from 1.6 Million TPA to 2.4 Million TPA of Mangrol-Tilakhera Limestone Mine.

We hereby enclosing the copy of EC for your reference please.

Thanking you.

Yours faithfully,

For J. K. Cement Works, Mangrol

(S. K. Rathore)

President (Operations) & Unit Head



Signature
 8/3/2021
 प्रबंध लिपिक
 जिला परिषद चित्तौड़गढ़

Encl: As above.

Copy:

1. The Member Secretary, Rajasthan State Pollution Control Board, 4, Institutional Area, Jhalana Doongri, JAIPUR - 302004 (RAJ).
2. The Regional Director, Regional Office (CR), Ministry of Environment, Forest & Climate Change, 5th Floor, Central Bhawan, Sector - H, Aliganj, Lucknow
3. The District Collector, District Office, Chittorgarh (Rajasthan)
4. The Zila Parishad, Distt.- Chittorgarh (Raj.)
5. The General Manger, District Industrial Center, Dist Chittorgarh.
6. The SDM, Sub Divisional Office, Tehsil: Nimbahera, Dist: Chittorgarh (Raj)
7. The Gram Panchayat, Arniya Joshi, Tehsil: Nimbahera, Dist: Chittorgarh (Raj)
8. The Panchayat Samiti, Tehsil: Nimbahera, Dist: Chittorgarh (Raj)

Received
 8/3/2021
 प्रबंध लिपिक
 जिला उद्योग क्षेत्र
 चित्तौड़गढ़

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



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

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





JK Cement LTD.

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

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

CIN : L17229UP1994PLC017199

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

MGR/PC/C/EC-M-TIL/11/ 756

Date: 15.03.2021

To,
 The Member Secretary EAC (Non- Coal Mining)
 Ministry of Environment, Forest & Climate Change
 2nd floor, Prithvi Wing, Indira Paryavaran Bhawan,
 Jor Bagh Road, Aliganj, New Delhi- 110 003

Sub: Compliance of EC condition of Mangrol-Tilakhera Limestone Mine (1.6 to 2.4 Million TPA) of M/s J. K. Cement Ltd.

Ref: EC no. J – 11015 / 25 / 2011 – IA.II (M) dated 03.03.2021

Dear Sir,

Kindly refer to the above EC letter, submitting herewith compliance status of standard Condition nos. (5 & 7).

- Copy of EC has been marked to the local concern authority (receipt enclosed).
- EC granted information published in two local newspapers i.e. Dainik Bhaskar & Rajasthan Patrika on 05.03.2021 (copy enclosed).

Thanking You.

Yours faithfully,

For J. K. Cement Works, Mangrol

(S. K. Rathore)

President (O) & Unit Head

Encl.: as above

Copy:

1. The Regional Director, Ministry of Environment, Forest & Climate Change, Regional Office (Central Region), Kendriya Bhawan, 05th floor, sector –H, Aliganj, Lucknow-226024
2. The Member Secretary, Rajasthan State Pollution Control Board, 4, Institutional Area, Jhalana Doongari, Jaipur (Raj)-302004
3. The Regional Director, Central Pollution Control Board, 4th Floor, Sahkar Bhawan, North TT Nagar, Bhopal-462003

Corporate & Registered Office : Kamia 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



3	7	9	1	8
	1	8		5
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1			7	8
	2	5		9

4	5	6	9	7	3	8	1
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1	4	9	7	3	2	5	6
5	7	8	4	9	6	1	2
6	3	2	5	1	8	9	7

जे.के. सीमेन्ट वर्क्स, निम्बाहेड़ा राज.

सूचना

सर्व सम्बन्धित को सूचित किया जाता है कि जे. के. सीमेन्ट की मांगरोल-टीलाखेड़ा लाईमस्टोन माईन्स (ML 07/97, Lease Area 299.20 Ha.), तहसील-निम्बाहेड़ा, जिला-चित्तौड़गढ़ की उत्पादन क्षमता (1.6 Million TPA to 2.4 Million TPA) विस्तार हेतु भारत सरकार की वन, पर्यावरण एवं जलवायु परिवर्तन मन्त्रालय, नई दिल्ली द्वारा पत्र क्रमांक J-11015/25/2011-IA-II(M), दिनांक 03 मार्च 2021 के माध्यम से पर्यावरण स्वीकृति प्राप्त हुई है।

उपरोक्त पर्यावरण स्वीकृति की प्रतिलिपी भारत सरकार की वन, पर्यावरण एवं जलवायु परिवर्तन मन्त्रालय की वेबसाइट www.parivesh.nic.in पर एवं जे. के. सीमेन्ट लिमिटेड की वेबसाइट तथा राजस्थान राज्य प्रदूषण नियन्त्रण मण्डल के कार्यालय में उपलब्ध है।

अध्यक्ष-ऑपरेशन्स जे.के. सीमेन्ट वर्क्स निम्बाहेड़ा

किर

पत्रिका न
patrika.cc

राशमी
रेवाड़ा के
स्वास्थ्य
शिविर अ
युवा
मनीष व
शिविर में
किया गय
रक्त

दैनिक भास्कर

चित्तौड़गढ़

भीलवाड़ा, शनिवार 06 मार्च, 2021 | 22

जीवन शैली में हेल्थ वेलथ और समीपता का अनुभव करेंगे।

जे.के.सीमेन्ट वर्क्स, निम्बाहेड़ा (राज.)

सूचना

दिनांक 05 मार्च 2021

सर्व सम्बन्धित को सूचित किया जाता है कि जे. के. सीमेन्ट की मांगरोल-टीलाखेड़ा लाईमस्टोन माईन्स (ML 07/97, Lease Area 299.20 Ha.), तहसील- निम्बाहेड़ा, जिला-चित्तौड़गढ़ की उत्पादन क्षमता (1.6 Million TPA to 2.4 Million TPA) विस्तार हेतु भारत सरकार की वन, पर्यावरण एवं जलवायु परिवर्तन मन्त्रालय, नई दिल्ली द्वारा पत्र क्रमांक J-11015/25/2011-IA-II(M), दिनांक 03 मार्च 2021 के माध्यम से पर्यावरण स्वीकृति प्राप्त हुई है।

उपरोक्त पर्यावरण स्वीकृति की प्रतिलिपी भारत सरकार की वन, पर्यावरण एवं जलवायु परिवर्तन मन्त्रालय की वेबसाइट www.parivesh.nic.in पर एवं जे. के. सीमेन्ट लिमिटेड की वेबसाइट तथा राजस्थान राज्य प्रदूषण नियन्त्रण मण्डल के कार्यालय में उपलब्ध है।

अध्यक्ष
ऑपरेशन्स जे.के.सीमेन्ट वर्क्स, निम्बाहेड़ा

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(Unit of Team Institute of Science & Technology Pvt. Ltd.)



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Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502521400001671	Date :	05-07-2021
Issued To :	M/S Tilakhera Limestone Mine (ML No.- 7/97) , C/o J.K. Cement Works-Nimbahera Tehsil- Nimbahera, District- Chittorgarh 312617 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	12-06-2021
Point of Collection :	Near Mine office, Tilakhera Mine	Date of Receipt :	23-06-2021
Date of Test/Analysis :	23-06-2021 to 05-07-2021	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Sunil Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	280	IS 5182 (Part 10) : 1999 RA 2019	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	14.13	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
3	Particulate Matter (PM2.5) [microgram/m3]	36.25	CPCB Guidelines	60.00
4	Sulphur Dioxide [microgram/m3]	2.61	IS 5182 (Part 2) : 2001 RA 2017	80.00
5	Particulate Matter (PM 10) [microgram/m3]	74.92	IS 5182 (Part 23)-2006 RA 2017	100.00

Notes :-

- # The results listed refer only to the tested sample (s) & parameters (s). Endorsement of products is neither inferred nor implied.
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- # The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.

Puran
Puran Mal Yogi
Senior Analyst

Rajesh
Rajesh Maheshwar
Authorized Signatory
(Report No: TC502521400001671)



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Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502521400001672	Date :	05-07-2021
Issued To :	M/S Tilakhera Limestone Mine (ML No.- 7/97) , C/o J.K. Cement Works-Nimbahera Tehsil- Nimbahera, District- Chittorgarh 312617 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	12-06-2021
Point of Collection :	Near Ravana Office Tilakhera Mine	Date of Receipt :	23-06-2021
Date of Test/Analysis :	23-06-2021 to 05-07-2021	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Sunil Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	320	IS 5182 (Part 10) : 1999 RA 2019	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	17.9	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
3	Particulate Matter (PM2.5) [microgram/m3]	39.97	CPCB Guidelines	60.00
4	Sulphur Dioxide [microgram/m3]	3.45	IS 5182 (Part 2) : 2001 RA 2017	80.00
5	Particulate Matter (PM 10) [microgram/m3]	66.06	IS 5182 (Part 23)-2006 RA 2017	100.00

Notes :-

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Senior Analyst

Rajesh Maheshwar
Authorized Signatory
(Report No: TC502521400001672)



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Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502521400001675	Date :	05-07-2021
Issued To :	M/S Tilakhera Limestone Mine (ML No.- 7/97) , C/o J.K. Cement Works-Nimbahera Tehsil- Nimbahera, District- Chittorgarh 312617 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	13-06-2021
Point of Collection :	Arnia Joshi Village, Tilakhera	Date of Receipt :	23-06-2021
Date of Test/Analysis :	23-06-2021 to 05-07-2021	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Sunil Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	240	IS 5182 (Part 10) : 1999 RA 2019	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	11.68	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
3	Particulate Matter (PM2.5) [microgram/m3]	34.59	CPCB Guidelines	60.00
4	Sulphur Dioxide [microgram/m3]	3.24	IS 5182 (Part 2) : 2001 RA 2017	80.00
5	Particulate Matter (PM 10) [microgram/m3]	73.28	IS 5182 (Part 23)-2006 RA 2017	100.00

Notes :-

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Puran
Puran Mal Yogi
Senior Analyst

Rajesh
Rajesh Maheshwari
Authorized Signatory
(Report No: TC502521400001675)



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Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502521400001676	Date :	05-07-2021
Issued To :	M/S Tilakhera Limestone Mine (ML No.- 7/97) , C/o J.K. Cement Works-Nimbahera Tehsil- Nimbahera, District- Chittorgarh 312617 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	13-06-2021
Point of Collection :	Shahbad Tilakhera Mine	Date of Receipt :	23-06-2021
Date of Test/Analysis :	23-06-2021 to 05-07-2021	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Sunil Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	340	IS 5182 (Part 10) : 1999 RA 2019	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	15.88	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
3	Particulate Matter (PM2.5) [microgram/m3]	43.09	CPCB Guidelines	60.00
4	Sulphur Dioxide [microgram/m3]	5.39	IS 5182 (Part 2) : 2001 RA 2017	80.00
5	Particulate Matter (PM 10) [microgram/m3]	78.57	IS 5182 (Part 23)-2006 RA 2017	100.00

Notes :-

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Puran
Puran Mal Yogi
Senior Analyst

Rajesh
Rajesh Maheshwar
Authorized Signatory
(Report No: TC502521400001676)



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Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502521400002820	Date :	12-10-2021
Issued To :	M/S Tilakhera Limestone Mine (ML No.- 7/97) , C/o J.K. Cement Works-Nimbahera Tehsil- Nimbahera, District- Chittorgarh 312617 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	17-09-2021
Point of Collection :	Near Mine office, Tilakhera Mine	Date of Receipt :	04-10-2021
Date of Test/Analysis :	04-10-2021 to 12-10-2021	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	kishan murari
Unit's representative :	Mr Sunil Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	310	TTH/AAQM/08	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	13.32	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
3	Particulate Matter (PM2.5) [microgram/m3]	30.04	IS 5182 (Part 24) : 2019	60.00
4	Sulphur Dioxide [microgram/m3]	2.31	IS 5182 (Part 2) : 2001 RA 2017	80.00
5	Particulate Matter (PM 10) [microgram/m3]	71.74	IS 5182 (Part 23)-2006 RA 2017	100.00

Notes :-

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Anurag Mal Yogi
Senior Analyst

Rajesh Maheshwari
Authorized Signatory
(Report No: TC502521400002820)



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Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502521400002821	Date :	12-10-2021
Issued To :	M/S Tilakhera Limestone Mine (ML No.- 7/97) , C/o J.K. Cement Works-Nimbahera Tehsil- Nimbahera, District- Chittorgarh 312617 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	17-09-2021
Point of Collection :	Near Ravana Office Tilakhera Mine	Date of Receipt :	04-10-2021
Date of Test/Analysis :	04-10-2021 to 12-10-2021	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	kishan murari
Unit's representative :	Mr Sunil Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	280	TTH/AAQM/08	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	12.44	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
3	Particulate Matter (PM2.5) [microgram/m3]	26.9	IS 5182 (Part 24) : 2019	60.00
4	Sulphur Dioxide [microgram/m3]	2.41	IS 5182 (Part 2) : 2001 RA 2017	80.00
5	Particulate Matter (PM 10) [microgram/m3]	76.2	IS 5182 (Part 23)-2006 RA 2017	100.00

Notes :-

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Purushottam
Purushottam Yogi
Senior Analyst

Rajesh
Rajesh Maheshwari
Authorized Signatory
(Report No: TC502521400002821)



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Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502521400002824	Date :	12-10-2021
Issued To :	M/S Tilakhera Limestone Mine (ML No.- 7/97) , C/o J.K. Cement Works-Nimbahera Tehsil- Nimbahera, District- Chittorgarh 312617 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	18-09-2021
Point of Collection :	Arnia Joshi Village, Tilakhera	Date of Receipt :	04-10-2021
Date of Test/Analysis :	04-10-2021 to 12-10-2021	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	kishan murari
Unit's representative :	Mr Sunil Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	260	TTH/AAQM/08	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	11.83	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
3	Particulate Matter (PM2.5) [microgram/m3]	26.22	IS 5182 (Part 24) : 2019	60.00
4	Sulphur Dioxide [microgram/m3]	2.51	IS 5182 (Part 2) : 2001 RA 2017	80.00
5	Particulate Matter (PM 10) [microgram/m3]	69.45	IS 5182 (Part 23)-2006 RA 2017	100.00

Notes :-

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Puram Yogi

Senior Analyst

Rajesh Maheshwar

Authorized Signatory

(Report No: TC502521400002824)



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Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502521400002825	Date :	12-10-2021
Issued To :	M/S Tilakhera Limestone Mine (ML No.- 7/97) , C/o J.K. Cement Works-Nimbahera Tehsil- Nimbahera, District- Chittorgarh 312617 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	18-09-2021
Point of Collection :	Shahbad Tilakhera Mine	Date of Receipt :	04-10-2021
Date of Test/Analysis :	04-10-2021 to 12-10-2021	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	kishan murari
Unit's representative :	Mr Sunil Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	280	TTH/AAQM/08	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	11.4	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
3	Particulate Matter (PM2.5) [microgram/m3]	29.2	IS 5182 (Part 24) : 2019	60.00
4	Sulphur Dioxide [microgram/m3]	2.44	IS 5182 (Part 2) : 2001 RA 2017	80.00
5	Particulate Matter (PM 10) [microgram/m3]	60.77	IS 5182 (Part 23)-2006 RA 2017	100.00

Notes :-

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Purani Yogi

Senior Analyst

Rajesh Maheshwar

Authorized Signatory

(Report No: TC502521400002825)



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Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502521400001673	Date :	05-07-2021
Issued To :	M/S Tilakhera Limestone Mine (ML No.- 7/97) , C/o J.K. Cement Works-Nimbahera Tehsil- Nimbahera, District- Chittorgarh 312617 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	12-06-2021
Point of Collection :	3-10 Meter Distance Form Drilling Point of Tilakhera Mine	Date of Receipt :	23-06-2021
Date of Test/Analysis :	23-06-2021 to 05-07-2021	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Sunil Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	330	IS 5182 (Part 10) : 1999 RA 2019	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m3]	18.21	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	474.24	IS 5182 (Part 4) : 1999 RA 2019	-
4	Sulphur Dioxide [microgram/m3]	7.26	IS 5182 (Part 2) : 2001 RA 2017	80.00

Notes :-

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Rupa
Rupa Mal Yogi
Senior Analyst

Rajesh
Rajesh Maheshwar
Authorized Signatory
(Report No: TC502521400001673)



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Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502521400001674	Date :	05-07-2021
Issued To :	M/S Tilakhera Limestone Mine (ML No.- 7/97) , C/o J.K. Cement Works-Nimbahera Tehsil- Nimbahera, District- Chittorgarh 312617 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	13-06-2021
Point of Collection :	Near Loading point of Tilakhera Mine	Date of Receipt :	23-06-2021
Date of Test/Analysis :	23-06-2021 to 05-07-2021	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Sunil Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	280	IS 5182 (Part 10) : 1999 RA 2019	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	19.02	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	426.06	IS 5182 (Part 4) : 1999 RA 2019	-
4	Sulphur Dioxide [microgram/m3]	3.56	IS 5182 (Part 2) : 2001 RA 2017	80.00

Notes :-

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Purnan Mal Yagi
Senior Analyst

Rakesh Maheshwari
Authorized Signatory
(Report No: TC502521400001674)



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Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502521400002822	Date :	12-10-2021
Issued To :	M/S Tilakhera Limestone Mine (ML No.- 7/97) , C/o J.K. Cement Works-Nimbahera Tehsil- Nimbahera, District- Chittorgarh 312617 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	17-09-2021
Point of Collection :	3-10 Meter Distance Form Drilling Point of Tilakhera Mine	Date of Receipt :	04-10-2021
Date of Test/Analysis :	04-10-2021 to 12-10-2021	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	kishan murari
Unit's representative :	Mr Sunil Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	260	TTH/AAQM/08	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	12.69	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	303.37	IS 5182 (Part 4) : 1999 RA 2019	500
4	Sulphur Dioxide [microgram/m3]	2.33	IS 5182 (Part 2) : 2001 RA 2017	80.00

Notes :-

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Puram Yagi

Senior Analyst

Rajesh Maheshwar

Authorized Signatory

(Report No: TC502521400002822)



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TEST REPORT

Report No./ULR No. :	TC502521400002823	Date :	12-10-2021
Issued To :	M/S Tilakhera Limestone Mine (ML No.- 7/97) , C/o J.K. Cement Works-Nimbahera Tehsil- Nimbahera, District- Chittorgarh 312617 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	18-09-2021
Point of Collection :	Near Loading point of Tilakhera Mine	Date of Receipt :	04-10-2021
Date of Test/Analysis :	04-10-2021 to 12-10-2021	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	kishan murari
Unit's representative :	Mr Sunil Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	340	TTH/AAQM/08	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	13.08	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	262.51	IS 5182 (Part 4) : 1999 RA 2019	500
4	Sulphur Dioxide [microgram/m3]	2.33	IS 5182 (Part 2) : 2001 RA 2017	80.00

Notes :-

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Puran Mal Yogi
Senior Analyst

Rajesh Maneswar
Authorized Signatory
(Report No: TC502521400002823)

MGR/PC/14/C11/ 1254

Regd.AD.

Date: 14.09.2021

To,

The Deputy Director (S)

Environment Division,

Integrated Regional Office, Jaipur

MoEF &CC, GoI

A-218, Aranya Bhawan, Jhalana

Institutional Area, Jaipur-304002

Subject: Compliance to Standard Conditions (B).I. Statutory compliance. (III) (13) of Environmental Clearance.

Dear Sir,

Kindly refer Environmental Clearance letter no. J-11015/25/2011-IA. II(M), dated. 3rd March' 2021 of **Tilakhera Limestone Mine**. We are enclosing herewith ground water level & water quality data of **Monsoon (August'2021)** in response to the Clearance Standards Conditions of above referred letter for your reference & record.

Thanking you.

Yours faithfully

For J.K. Cement Works, Mangrol

R. B. M. Tripathi
President (O) & Unit HeadEnclosed as above:

Corporate Office

Padam Tower, 19 DDA Community Centre
Okhla, Phase - 1, New Delhi - 110020, India

+011-49220000

admin.padamtower@jkcement.com

www.jkcement.com

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राष्ट्रीय उत्पादकता परिषद्

(वाणिज्य एवं उद्योग मंत्रालय, भारत सरकार के अन्तर्गत)
उत्पादकता भवन 5-6, इन्स्टीट्यूशनल एरिया,
लोदी रोड, नई दिल्ली-110 003



NATIONAL PRODUCTIVITY COUNCIL

NATIONAL PRODUCTIVITY COUNCIL

(Under Ministry of Commerce & Industry, Govt. of India)
Utpadakta Bhavan, 5-6, Institutional Area,
Lodi Road, New Delhi - 110 003

Date: 01.01.2021

No. 80704/JKNBH/01

To

Sunil Kumar Singh

Manager (Environment)

J K Cement Works, Nimbahera

PO. Kailash Nagar- 312617

Dist. Chittorgarh (Rajasthan)

Sub: Submission of Report for "Water Audit at J K Cement Works, Nimbahera and Ahirpura mine and Ttilakhera mine as per the guidelines of CGWA, Ministry of Jal Shakti"

Reference – P.O. No.: 4600068438, Date: 21/11/2020

Dear Sir,

This is in reference to your purchase order No. mentioned above, "Water Audit at JK Cement Works, Nimbahera and Ahirpura mine and Ttilakhera mine as per the guidelines of CGWA Ministry of Jal Shakti". Based on the data collection & measurement carried out during the field study, water audit report has been prepared and is being submitted to you.

Please find enclosed Final water audit report.

Thanking You

Yours faithfully

(Prashant Srivastava)

Dy. Director & Head

(Energy Management)

Encl: As above.



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Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502521600001186	Date :	05-07-2021
Issued To :	M/S Tilakhera Limestone Mine (ML No.- 7/97) , C/o J.K. Cement Works-Nimbahera Tehsil- Nimbahera, District- Chittorgarh 312617 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Noise Level Monitoring	Date of Sample Collection/Monitoring :	13-06-2021
Point of Collection :	Near Mine office, Tilakhera Mine	Date of Receipt :	23-06-2021
Date of Test/Analysis :	23-06-2021 to 05-07-2021	Sampling Plan :	TTH/NOISE/01
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Sunil Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Noise Level (Day Time) : Leq [dB(A)]	65.1	IS 9989	75
2	Noise Level (Night Time) : Leq [dB(A)]	53.6	IS 9989	65

Notes :-

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Yogi
Senior Analyst

Rajesh Maheshwar
Authorized Signatory
(Report No: TC502521600001186)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502521600001187	Date :	05-07-2021
Issued To :	M/S Tilakhera Limestone Mine (ML No.- 7/97) , C/o J.K. Cement Works-Nimbahera Tehsil- Nimbahera, District- Chittorgarh 312617 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Noise Level Monitoring	Date of Sample Collection/Monitoring :	13-06-2021
Point of Collection :	Near Ravana Office Tilakhera Mine	Date of Receipt :	23-06-2021
Date of Test/Analysis :	23-06-2021 to 05-07-2021	Sampling Plan :	TTH/NOISE/01
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Sunil Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Noise Level (Day Time) : Leq [dB(A)]	65.0	IS 9989	75
2	Noise Level (Night Time) : Leq [dB(A)]	52.5	IS 9989	65

Notes :-

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Puran
Puran Mal Yogi
Senior Analyst

Rajesh
Rajesh Maneshwar
Authorized Signatory
(Report No: TC502521600001187)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502521600002028	Date :	12-10-2021
Issued To :	M/S Tilakhera Limestone Mine (ML No.- 7/97) , C/o J.K. Cement Works-Nimbahera Tehsil- Nimbahera, District- Chittorgarh 312617 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Noise Level Monitoring	Date of Sample Collection/Monitoring :	18-09-2021
Point of Collection :	Near Mine office, Tilakhera Mine	Date of Receipt :	04-10-2021
Date of Test/Analysis :	04-10-2021 to 12-10-2021	Sampling Plan :	TTH/NOISE/01
Quantity of Sample :	-	Sample Collected By :	kishan murari
Unit's representative :	Mr Sunil Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Noise Level (Day Time) : Leq [dB(A)]	58.8	IS 9989	75
2	Noise Level (Night Time) : Leq [dB(A)]	49.2	IS 9989	65

Notes :-

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Puram Mat Yogi

Senior Analyst

Rajesh Maheshwari

Authorized Signatory
(Report No: TC502521600002028)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502521600002029	Date :	12-10-2021
Issued To :	M/S Tilakhera Limestone Mine (ML No.- 7/97) , C/o J.K. Cement Works-Nimbahera Tehsil- Nimbahera, District- Chittorgarh 312617 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Noise Level Monitoring	Date of Sample Collection/Monitoring :	18-09-2021
Point of Collection :	Near Ravana Office Tilakhera Mine	Date of Receipt :	04-10-2021
Date of Test/Analysis :	04-10-2021 to 12-10-2021	Sampling Plan :	TTH/NOISE/01
Quantity of Sample :	-	Sample Collected By :	kishan murari
Unit's representative :	Mr Sunil Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Noise Level (Day Time) : Leq [dB(A)]	58.7	IS 9989	75
2	Noise Level (Night Time) : Leq [dB(A)]	51.3	IS 9989	65

Notes :-

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