

MGR/PC-14/C12/

By Mail

Date: 25.05.2022

To,

**The Director(M),**

Ministry of Environment, Forests & Climate Change  
Indira Paryavaran Bhavan, JOR Bagh Road,  
Near JOR bagh Metro station, New Delhi 110003.

**Sub: Environmental Clearance Compliance report of Mangrol Limestone Mine (M.L. No. 26/08  
Area 132 ha.) by M/s J.K. Cement Works, Mangrol, Tehsil: Nimbahera, Dist. Chittorgarh (Raj.).**

**Ref.:** Environment Clearance letter no. - J-11015/427/2008-IA.II (M) Dated 06 August 2010.

Dear Sir,

Kindly refer to the above subject matter and refer EC letter no., please find attached herewith compliance of EC for the period of **October'2021 to March'2022**.

As per MoEF & CC notification no. S.O. 5845 (E) 26.11.2018 the soft copy of same has been sent through email to [iro.jaipur-mefcc@gov.in](mailto:iro.jaipur-mefcc@gov.in), [moef@nic.in](mailto:moef@nic.in), [ccb.cpcb@nic.in](mailto:ccb.cpcb@nic.in), [member-secretary@pcb.nic.in](mailto:member-secretary@pcb.nic.in), [cpcb.bhopal@gov.in](mailto:cpcb.bhopal@gov.in), [monitoring-ec@nic.in](mailto:monitoring-ec@nic.in).

We trust you will find the same in order.

Thanking you,

Yours Faithfully

**For J. K. Cement Works, Mangrol**

**R.B.M Tripathi**  
**President (Operations)**

**Encl: as above****Copy to:**

1. The Deputy Director(S), Ministry of Environment, Forests & Climate Change, Integrated Regional office, Jaipur, A-218, Aranya Bhawan, Jhalana Institutional Area, Jaipur-302004
2. The Regional Director, Central Pollution Control Board, Paryavaran Parisar, E-5, Arera colony, Bhopal (M.P) 462016
3. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-CUM office complex, East Arjun Nagar, New Delhi 110032.
4. The Chairman, Rajasthan State Pollution Control Board, 4, Institutional Area, Jhalana Doongri, Jaipur - 302004 (Rajasthan)

**Corporate Office**

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

**J-11015/427/2008-1A. II (M) dated 06.08.2010**

**Period: October-2021 to March-2022**

**For  
Mangrol Limestone Mine: 1.5 MMTPA**


**Submitted to:  
MoEF&CC, New Delhi & Integrated Regional Office, Jaipur  
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)**

PROPONENT	J. K. CEMENT WORKS, MANGROL (RAJ.)	Period from October-2021 to March-2022
PROJECT	Mangrol Lime Stone Mine (M.L. No. 26/08, Area 132 ha., Limestone 1.5 MMTPA, village- Mangrol, Tehsil-Nimbahera, District-Chittorgarh, Rajasthan.	
Environment Clearance issued from MOEF, New Delhi vide Letter No. J-11015/427/2008-IA.II (M) dated 06.08.2010		

<b>S. No</b>	<b>Details of Conditions</b>	<b>Compliance Status</b>
<b>(A) Specific Conditions</b>		
(i)	The project proponent shall obtain Consent to Establish and Consent to Operate from the Rajasthan State Pollution Control Board and effectively implement all the conditions stipulated therein.	<b>Complied with.</b> <ul style="list-style-type: none"> <li>Consent to Establish has been obtained vide letter no. F(Mines)/Chittorgarh/(Nimbahera) 966(1) 2011-12/4718-4722 dated 29.09.2011.</li> <li>Consent to operate has been obtained vide letter No. F (Mines)/ Chittorgarh (Nimbahera)/1863(1)/2016-2017/7040-7044 dated 25.02.2019 and valid up to 31.01.2024.</li> </ul>
(ii)	Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India in Contempt Petition (C) No.412/2004 in IA No. 833 in Writ Petition (C) No. 202 of 1995, as may be applicable to this project.	Noted.
(iii)	The environmental clearance is subject to approval of the State Land use Department, Government of Rajasthan for diversion of agricultural land for non-agricultural use.	<b>Complying with.</b> Private agriculture land is used only after diversion for non-agriculture use from state revenue department.
(iv)	Necessary prior permission from the Competent Authority as may be applicable for use of grazing land for mining purpose shall be obtained.	<b>Complying with.</b> Permission for use of grazing land for mining purpose is obtained from Revenue Department, Govt of Rajasthan vide letter No. Revenue/2011-12 dated 12.01.2012.
(v)	The project proponent shall develop fodder plots in the non-mineralized area in lieu of use of grazing land.	<b>Complying with.</b> Fodder plots are being developed in our purchased land having non-mineralized zone and are falling in our lease area. The area is being used for grazing of cattle's.

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		<div></div> <p><b>Non-mineralized zone use for grazing cattle's</b></p>																												
(vi)	The mining operations shall be restricted to above ground water table and it should not intersect the groundwater table. In case of working below the ground water table, prior approval of the Ministry of Environment and Forests and the Central Ground Water Authority shall be obtained, for which a detailed hydro-geological study shall be carried out.	<p><b>Complying with.</b> The detail of the elevation, ground water table and working level is given below: -</p> <table><tr><th>S. No.</th><th>Particulars</th><th>Levels (MSL)</th><th>BGL (m)</th></tr><tr><td>1.</td><td>Highest Elevation</td><td>440</td><td>--</td></tr><tr><td>2.</td><td>Lowest Elevation</td><td>432</td><td>--</td></tr><tr><td>3.</td><td>General Ground Level</td><td>435</td><td>--</td></tr><tr><td>4.</td><td>Water Table (Pre-Monsoon)</td><td>380-385</td><td>50-55</td></tr><tr><td>5.</td><td>Water Table (Post-Monsoon)</td><td>395</td><td>40</td></tr><tr><td>6.</td><td>Ultimate Pit Limit</td><td>395</td><td>40</td></tr></table> <p><i>Source: - As per approved Modified Mining Plan with PMCP dated 03.01.2019.</i></p> <p>Water table will not intersect during the conceptual phase/ life of mine.</p>	S. No.	Particulars	Levels (MSL)	BGL (m)	1.	Highest Elevation	440	--	2.	Lowest Elevation	432	--	3.	General Ground Level	435	--	4.	Water Table (Pre-Monsoon)	380-385	50-55	5.	Water Table (Post-Monsoon)	395	40	6.	Ultimate Pit Limit	395	40
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6.	Ultimate Pit Limit	395	40																											
(vii)	The project proponent shall ensure that no natural watercourse and/or water resources are obstructed due to any mining operations.	There are no large channels or other sources of water in the area. The water drains out of the area following the natural slope. No natural water course will be obstructed during mining operation and this will be strictly followed as mentioned in Approved Mining Plan.																												







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(viii)	The top soil shall temporarily be stored at earmarked site(s) only and it should not be kept unutilized for long. The topsoil shall be used for land reclamation and plantation.	<b>Complying with.</b> During FY 2021-22 the top soil generation was 12156 MT and used in plantation.
(ix)	The waste generated during the mining operation shall be stacked at the earmarked site and reclaimed by the plantation. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining. Compliance status should be submitted to the Ministry of Environment & Forests and its Regional Office, Lucknow on six monthly basis.	During FY 2021-22 the waste/ mineral reject generation was 25800 MT which is being stacked at designated places, levelled and being stabilized by carrying out plantation over it. Latest EC compliance report submitted to Ministry of Environment and Forests including its Regional Office located at Lucknow and the State Pollution Control Board/Central Pollution Control Board vide letter no. MGR/PC-14/C12 on Dated 30.11.2021 for the period of April-21 to September-21.
(x)	The void left unfilled in the entire excavated area of 88.55ha shall be converted into water body. The higher benches of excavated void/mining pit shall be terraced and plantation done to stabilize the slopes. The slope of higher benches shall be made gentler for easy accessibility by local people to use the water body. Peripheral fencing shall be carried out all along the excavated area.	<b>Will be complied.</b> The whole excavated area will be properly fenced off from all sides and will be used for collection of harvested rain water. The entire excavated area will be properly fenced along the periphery and plantation will be done.
(xi)	Catch drains and siltation ponds of appropriate size shall be constructed for the working pit, temporary soil, mineral dumps and waste dump(s) to arrest flow of silt and sediment directly into the agricultural fields, the Gambhiri dam, the Murlia reservoir, the	<b>Complied with.</b> The catch drain and siltation ponds has been constructed of appropriate size around the mining pit to prevent run off water and flow of sediments going directly into the agriculture fields/outside the mining limit and water bodies. There will be no generation of waste as prescribed in approved mining plan, hence no overburden dump will be formed.

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	<p>Gambhiri river and other water bodies. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly desilted particularly after the monsoon and maintained properly.</p> <p>Garland drains, setting tanks and check dams of appropriate size, gradient and length shall be constructed both around the mine pit and waste dump(s) to prevent run off of water and flow of sediments directly into the agricultural fields, the Gambhiri dam, the Murlia reservoir, the Gambhiri river and other water bodies and sump capacity should be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper setting of slit material. Sedimentation pits should be constructed at the corners of the garland drains and desilted at regular intervals.</p>	<p>Garland drain system of appropriate size, gradient and length has been constructed around the mining pit to prevent runoff water and flow of sediments outside the mining limit. There will be no generation of waste as mentioned in approved mining plan; hence no overburden dump will be formed.</p>
(xii)	Dimension of the retaining wall at the toe of the waste dumps and the waste benches within the mine to check run-off and siltation should be based on the rain fall data.	Since there is no generation of waste, only top black cotton soil is generated which is use in plantation. Garland drain and siltation pond has been constructed to check runoff.
(xiii)	Plantation shall be raised in an area of 14ha including a 7.5m wide green belt in the safety	<b>Complying with.</b>


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	<p>zone around the mining lease, reclaimed area, around water body, around waste dumps along the roads etc. by planting the native species in consultation with the local DFO/Agriculture Department. The density of the trees should be around 1000 plants per ha. Greenbelt shall be developed all along the mine lease area in a phased manner and shall be completed within first five years.</p>	<ul style="list-style-type: none"> <li>• InFY 2021-22, total safty zone (7.5m) plantation done in area of 1.40 ha and 0.80 ha within lease with 5750 nos. plants.</li> <li>• Safety zone: 1.40 ha – 3659 Plants.</li> <li>• Within lease : 0.80 ha – 2091 Plants</li> <li>• Total: 2.20 ha – 5750 Plants.</li> </ul> <div style="display: flex; flex-wrap: wrap;">     </div>
(xiv)	<p>Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as around crushing and screening plant, loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out</p>	<p><b>Complying with.</b></p> <p>Regular water sprinkling done on the haul roads by water tanker which has sprinkler facility. Wet drilling system is practiced during drilling of holes.</p> <p>Ambient air quality monitoring report of core &amp; buffer zone by NABL accredited lab enclosed as <b>Annexure-1.</b></p>

<b>PROPONENT</b>	<b>J. K. CEMENT WORKS, MANGROL (RAJ.)</b>	<b>Period from October-2021 to March-2022</b>
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	on haul roads. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.	<b>Ambient Air Quality Monitoring data of Period Oct-21 to Mar-22 mention below table:</b>																
Month	Towards Factory Gate					Near Ravana Office					3 to10 Meter Distance From Drilling Operation				Near loading point			
	PM10	PM 2.5	SO <sub>2</sub>	NOx	CO	PM10	PM 2.5	SO <sub>2</sub>	NOx	CO	SPM	SO <sub>2</sub>	NOx	CO	SPM	SO <sub>2</sub>	NOx	CO
Oct-21	25.5	20.5	17.9	28.6	796	31.8	28.8	23.6	36.9	830	339	9.7	28.2	590	309	10.5	21.2	630
Nov-21	30.5	22.7	19.2	22.6	635	34.2	31.4	25.1	28.4	698	370	12.1	32.5	670	347	15.1	36.9	744
Dec-21	54.2	40.0	15.9	25.0	395	70.2	28.9	14.9	24.8	653	449	14.8	25.9	750	364	17.4	28.7	716
Jan-22	51.8	39.2	22.8	29	693	62.7	46.7	26.3	32	745	445	16.5	27.2	664	399	17.4	26.8	916
Feb-22	56.1	38.2	24.2	39	705	67.6	43.9	28.4	42	745	433	17.2	28.9	745	360	20.2	31.1	705
Mar-22	34.3	19.3	9.7	13	447	39.1	24.7	12.8	15	481	272	6.1	9.8	475	296	9.5	12.7	498
AVERAGE	<b>42.1</b>	<b>30.0</b>	<b>18.3</b>	<b>26.1</b>	<b>612</b>	<b>50.9</b>	<b>34.1</b>	<b>21.9</b>	<b>29.8</b>	<b>692</b>	<b>385</b>	<b>12.7</b>	<b>25.4</b>	<b>649</b>	<b>346</b>	<b>15.0</b>	<b>26.2</b>	<b>702</b>
(xv)	The project authority should implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board.					<b>Complied with.</b> The rain water is being collected in mine pit and utilized in cement plant operation.												
(xvi)	Regular monitoring of ground water level and quality shall be carried out in and around the mine lease by establishing a network of existing wells and installing new piezometers during the mining operation. The periodic monitoring [(at least four times in a year – pre-monsoon (April-May), monsoon (August),					<b>Complying with.</b> Regular monitoring of ground water level and quality is 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. We have installed 3 Nos. of manual piezometer holes & one DWLR (Digital water level Recorder) with telemetry system for online monitoring of ground water level.												

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	<p>post-monsoon (November) and winter (January); once in each season)] shall be carried out in consultation with the State Ground Water Board/Central Ground Water Authority and the data thus collected may be sent regularly to the Ministry of Environment and Forests and its Regional Office, Lucknow, the Central Ground Water Authority and the Regional Director, Central Ground Water Board. If at any stage, it is observed that the groundwater table is getting depleted due to the mining activity, necessary corrective measures shall be carried out.</p>	<p align="center"><b>Screen shot of DWLR live data</b></p>  <p>The water quality report tested by NABL lab and report is being submitted to MoEF&amp;CC and its Regional Office, Lucknow, the CGWA and the Regional Director, Central Ground Water Board in four times in a year.</p> <p>Winter season (Jan'2022) report submitted vide letter no. MGR/PC/14/C12 on dated 25.01.2022. monsoon water quality monitoring report enclosed as <b>Annexure-2</b>.</p>
(xvii)	Appropriate mitigative measures shall be taken to prevent pollution of the Gambhiri River and Murlia dam in consultation with the State Pollution Control Board.	Agreed.
(xviii)	The project proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of ground water required for the project.	<b>Complied with.</b> Renewal NOC obtained vide letter no. CGWA/NOC /MIN/REN /2/2021/5960 & corrigendum vide letter no. 21-4/532/RJ/MIN/2012-99, Dated 20/05/2021 valid up to 06/04/2023.
(xix)	Suitable rainwater harvesting measures on long term basis shall be planned and	<b>Complied with.</b>






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	covered trucks only and the vehicles carrying the mineral shall not be overloaded.	<table><tr><td>Tipper</td><td>RJ-09GC-0354</td><td>&lt; 65 %</td><td>3</td><td>21.10%</td><td>05.02.2022</td><td>04.12.2022</td></tr><tr><td>Tipper</td><td>RJ-09GC-0615</td><td>&lt; 65 %</td><td>3</td><td>23.00%</td><td>05.02.2022</td><td>04.12.2022</td></tr><tr><td>Tipper</td><td>RJ-09GC-0616</td><td>&lt; 65 %</td><td>3</td><td>21.80%</td><td>05.02.2022</td><td>04.12.2022</td></tr><tr><td>Tipper</td><td>RJ-09GC-0363</td><td>&lt; 65 %</td><td>3</td><td>21.80%</td><td>05.02.2022</td><td>04.12.2022</td></tr><tr><td>Tipper</td><td>RJ-09GC-2135</td><td>&lt; 65 %</td><td>3</td><td>22.00%</td><td>05.02.2022</td><td>04.12.2022</td></tr><tr><td>Tipper</td><td>RJ-09GC-8246</td><td>&lt; 65 %</td><td>3</td><td>22.20%</td><td>05.02.2022</td><td>04.12.2022</td></tr><tr><td>Tipper</td><td>RJ-09GC-8247</td><td>&lt; 65 %</td><td>3</td><td>22.00%</td><td>05.02.2022</td><td>04.12.2022</td></tr></table>	Tipper	RJ-09GC-0354	< 65 %	3	21.10%	05.02.2022	04.12.2022	Tipper	RJ-09GC-0615	< 65 %	3	23.00%	05.02.2022	04.12.2022	Tipper	RJ-09GC-0616	< 65 %	3	21.80%	05.02.2022	04.12.2022	Tipper	RJ-09GC-0363	< 65 %	3	21.80%	05.02.2022	04.12.2022	Tipper	RJ-09GC-2135	< 65 %	3	22.00%	05.02.2022	04.12.2022	Tipper	RJ-09GC-8246	< 65 %	3	22.20%	05.02.2022	04.12.2022	Tipper	RJ-09GC-8247	< 65 %	3	22.00%	05.02.2022	04.12.2022																			
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(xxi)	Controlled blasting shall be practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented.	<p><b>Complying with.</b></p> <p>Controlled blasting is being carried out by use of delay detonator, non-electric detonator. Regular monitoring of ground vibration is being practiced. Rock breaker is used to eliminate secondary blasting.</p> <p>Vibration monitoring data of period Oct-21 to Mar-22 is mention in table below:</p> <table><tr><th>Date</th><th>Location of Blasting</th><th>Approx. Dist. Of Instrument (Minimate) from Blast</th><th>No. of Holes</th><th>Charge Per Delay Kgs.</th><th>Peak Vector Sum Mm/Sec</th></tr><tr><td rowspan="2">07.10.2021</td><td>2<sup>nd</sup> Bench</td><td rowspan="2">300 Mtr. In the line of initiation of the face</td><td rowspan="2">7</td><td rowspan="2">33.39</td><td rowspan="2">1.58</td></tr><tr><td>BID(8-40)</td></tr><tr><td rowspan="2">14.10.2021</td><td>2<sup>nd</sup> Bench</td><td rowspan="2">300 Mtr. In the line of initiation of the face</td><td rowspan="2">14</td><td rowspan="2">33.25</td><td rowspan="2">1.82</td></tr><tr><td>BID(8-45)</td></tr><tr><td rowspan="2">16.10.2021</td><td>1<sup>st</sup> Bench</td><td rowspan="2">300 Mtr. back Side from Face</td><td rowspan="2">15</td><td rowspan="2">34.58</td><td rowspan="2">1.8</td></tr><tr><td>BID (9-36)</td></tr><tr><td rowspan="2">19.10.2021</td><td>2<sup>nd</sup> Bench</td><td rowspan="2">300 Mtr. back Side from Face</td><td rowspan="2">12</td><td rowspan="2">33.52</td><td rowspan="2">2.95</td></tr><tr><td>BID(8-50)</td></tr><tr><td rowspan="2">23.10.2021</td><td>2<sup>nd</sup> Bench</td><td rowspan="2">300 Mtr. In the line of initiation of the face</td><td rowspan="2">12</td><td rowspan="2">33.52</td><td rowspan="2">1.2</td></tr><tr><td>BID(8-53)</td></tr><tr><td rowspan="2">26.10.2021</td><td>2<sup>nd</sup> Bench</td><td rowspan="2">300 Mtr. From back side of the face</td><td rowspan="2">15</td><td rowspan="2">33.55</td><td rowspan="2">2.86</td></tr><tr><td>BID(8-56)</td></tr><tr><td rowspan="2">14.11.2021</td><td>1<sup>st</sup> Bench</td><td rowspan="2">300 Mtr. From back side of the face</td><td rowspan="2">17</td><td rowspan="2">32.25</td><td rowspan="2">1.95</td></tr><tr><td>BID(9-44)</td></tr><tr><td rowspan="2">17.11.2021</td><td>2<sup>nd</sup> Bench</td><td rowspan="2">300 Mtr. From back side of the face</td><td rowspan="2">20</td><td rowspan="2">32.75</td><td rowspan="2">2.23</td></tr><tr><td>BID(8-67)</td></tr><tr><td>26.11.2021</td><td>1<sup>st</sup> Bench</td><td>300 Mtr. In front of Face</td><td>16</td><td>33.04</td><td>1.81</td></tr></table>	Date	Location of Blasting	Approx. Dist. Of Instrument (Minimate) from Blast	No. of Holes	Charge Per Delay Kgs.	Peak Vector Sum Mm/Sec	07.10.2021	2 <sup>nd</sup> Bench	300 Mtr. In the line of initiation of the face	7	33.39	1.58	BID(8-40)	14.10.2021	2 <sup>nd</sup> Bench	300 Mtr. In the line of initiation of the face	14	33.25	1.82	BID(8-45)	16.10.2021	1 <sup>st</sup> Bench	300 Mtr. back Side from Face	15	34.58	1.8	BID (9-36)	19.10.2021	2 <sup>nd</sup> Bench	300 Mtr. back Side from Face	12	33.52	2.95	BID(8-50)	23.10.2021	2 <sup>nd</sup> Bench	300 Mtr. In the line of initiation of the face	12	33.52	1.2	BID(8-53)	26.10.2021	2 <sup>nd</sup> Bench	300 Mtr. From back side of the face	15	33.55	2.86	BID(8-56)	14.11.2021	1 <sup>st</sup> Bench	300 Mtr. From back side of the face	17	32.25	1.95	BID(9-44)	17.11.2021	2 <sup>nd</sup> Bench	300 Mtr. From back side of the face	20	32.75	2.23	BID(8-67)	26.11.2021	1 <sup>st</sup> Bench	300 Mtr. In front of Face	16	33.04	1.81
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PROPONENT	J. K. CEMENT WORKS, MANGROL (RAJ.)	Period from October-2021 to March-2022
PROJECT	Mangrol Lime Stone Mine (M.L. No. 26/08, Area 132 ha., Limestone 1.5 MMTPA, village- Mangrol, Tehsil-Nimbahera, District-Chittorgarh, Rajasthan.	
Environment Clearance issued from MOEF, New Delhi vide Letter No. J-11015/427/2008-IA.II (M) dated 06.08.2010		

		<div><div><div>View of Sewage treatment Plant with plantation</div></div><p>Vehicle wash treated water monitoring report of workshop analysed by NABL accredited lab enclosed as <b>Annexure-3.</b></p></div>										
(xxvi)	Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.	<p><b>Complying with.</b></p> <p>Pre placement Initial medical examination of the workers is carried out and record is maintained. Schedule of health examination will be drawn in such a manner that every workman will be examined once in five years. Medical examination detail for FY 2021-22 are mention below table :</p> <table><tr><th>Particular</th><th>Medical Exam. Carried out (in Nos.)</th></tr><tr><td>No. of persons examined</td><td>25</td></tr><tr><td>Initial Medical Examination</td><td>16</td></tr><tr><td>Periodical Medical Examination</td><td>0</td></tr><tr><td>Disease observed</td><td>NA</td></tr></table>	Particular	Medical Exam. Carried out (in Nos.)	No. of persons examined	25	Initial Medical Examination	16	Periodical Medical Examination	0	Disease observed	NA
Particular	Medical Exam. Carried out (in Nos.)											
No. of persons examined	25											
Initial Medical Examination	16											
Periodical Medical Examination	0											
Disease observed	NA											
(xxvii)	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care,	No construction labour is being engaged.										

PROPONENT	J. K. CEMENT WORKS, MANGROL (RAJ.)	Period from October-2021 to March-2022
PROJECT	Mangrol Lime Stone Mine (M.L. No. 26/08, Area 132 ha., Limestone 1.5 MMTPA, village- Mangrol, Tehsil-Nimbahera, District-Chittorgarh, Rajasthan.	
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	crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	
(xxviii)	The critical parameters such as RSPM (Particulate matter with size less than 10 micron i.e. PM10) and NOx in the ambient air within the impact zone, peak particle velocity at 300m distance or within the nearest habitation, whichever is closer shall be monitored periodically. Further, quality of discharged water shall also be monitored [(TDS, DO, PH and Total Suspended Solids (TSS))]. The monitored data shall be uploaded on the website of the company as well as displayed on the display board at the project site at a suitable location near the main gate of the Company in public domain. The Circular No. J-20012/1/2006-IA.II(M) dated 27.05.2009 issued by Ministry of Environment and Forests, which is available on the website of the Ministry <a href="http://www.envfor.nic.in">www.envfor.nic.in</a> shall also be referred in this regard for its compliance.	<p><b>Complying with.</b></p> <p>These critical parameters are being measured periodically during ambient air monitoring. For reports please refer <b>Annexure-1.</b></p> <p>No waste water is generating during mining operation.</p> <p>Mines key parameter (monitored data) are being uploaded at company website on every quarter as per said notification, which can be seen at <a href="http://www.jkcement.com/environmental-compliance">www.jkcement.com/environmental-compliance</a>.</p>
(xxix)	A Final Mine Closure Plan along with details of Corpus Fund should be submitted to the Ministry of Environment and Forests 5 years in advance of final mine closure for approval.	Progressive Mine closure plan is prepared along with approved Mining plan. There is no plan of final Mine closure in First five year of Mining Plan.



**( B )GENERAL CONDITIONS**



PROPONENT	J. K. CEMENT WORKS, MANGROL (RAJ.)	Period from October-2021 to March-2022
PROJECT	Mangrol Lime Stone Mine (M.L. No. 26/08, Area 132 ha., Limestone 1.5 MMTPA, village- Mangrol, Tehsil-Nimbahera, District-Chittorgarh, Rajasthan.	
Environment Clearance issued from MOEF, New Delhi vide Letter No. J-11015/427/2008-IA.II (M) dated 06.08.2010		

(i)	No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment, Forest and Climate Change.	Noted. Mining is being done in accordance with Approved Review of Mining Plan.
(ii)	No change in the calendar plan including excavation, quantum of mineral limestone and waste should be made.	Noted. Mining is being done in accordance with Approved Review of Mining Plan.
(iii)	Conservation measures for protection of flora and fauna in the core and buffer zone should be drawn up in consultation with the local forest and wildlife department and effectively implemented.	<p>Complying with The Wildlife conservation plan has been prepared for six nos. of the following Schedule-I species found in the buffer area during the survey: -</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. Copy of Letter is enclosed as <b>Annexure-4</b>.</p>
(iv)	Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for RSPM (Particulate matter with size less than 10 micron i.e.,	<p>Complied with.</p> <p>Ambient Air Quality Monitoring stations has been established in consultation with the State Pollution Control Board vide letter no. MGR/PC/28/1600 on dated 4/10/2013.</p>

PROPONENT	J. K. CEMENT WORKS, MANGROL (RAJ.)	Period from October-2021 to March-2022
PROJECT	Mangrol Lime Stone Mine (M.L. No. 26/08, Area 132 ha., Limestone 1.5 MMTPA, village- Mangrol, Tehsil-Nimbahera, District-Chittorgarh, Rajasthan.	
Environment Clearance issued from MOEF, New Delhi vide Letter No. J-11015/427/2008-IA.II (M) dated 06.08.2010		

	PM10) and NOx monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.	Periodical Monitoring in the core zone as well as in the buffer zone is already being done. However ambient air quality is carried out by NABL accredited Laboratory report please refer <b>Annexure-1</b> .
(v)	Data on ambient air quality RSPM (Particulate matter with size less than 10 micron i.e., PM10) & NOx should be regularly submitted to the Ministry of Environment and Forests including its Regional Office located at Lucknow and the State Pollution Control Board/Central Pollution Control Board once in six months.	<b>Complying with.</b> Monitoring data is regularly submitting to the concerned offices. Latest compliance report was submitted to Ministry of Environment and Forests including its Regional Office located at Lucknow and the State Pollution Control Board/Central Pollution Control Board vide letter no. MGR/PC-14/C12 dated 30.11.2021.
(vi)	Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.	<b>Complying with.</b> Water spraying arrangement on haul roads, loading and unloading points has been provided & Dense green belt developed in and around mine lease area to control fugitive dust emission. <div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;">  <p><b>Water spray on haul road</b></p> </div> <div style="text-align: center;">  <p><b>Dense green belt</b></p> </div> </div>

PROPONENT	J. K. CEMENT WORKS, MANGROL (RAJ.)	Period from October-2021 to March-2022
PROJECT	Mangrol Lime Stone Mine (M.L. No. 26/08, Area 132 ha., Limestone 1.5 MMTPA, village- Mangrol, Tehsil-Nimbahera, District-Chittorgarh, Rajasthan.	
Environment Clearance issued from MOEF, New Delhi vide Letter No. J-11015/427/2008-IA.II (M) dated 06.08.2010		

		Fugitive emission monitoring report enclosed as <b>Annexure-5.</b>																																							
(vii)	Measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs / muffs.	<p><b>Complying with.</b> Regular maintenance (including cabin) of HEMM being done to keep noise level within the specified limits.</p> <p>Ambient Noise level monitoring data of period Oct-21 to Mar-22 mention below table:</p> <table><tr><th rowspan="2">Month</th><th colspan="2">Towards Factory 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>Oct-21</td><td>52.3</td><td>41.6</td><td>62.5</td><td>48.9</td></tr><tr><td>Nov-21</td><td>48.7</td><td>32.7</td><td>58.4</td><td>43.7</td></tr><tr><td>Dec-21</td><td>45.7</td><td>34.1</td><td>52.7</td><td>41.1</td></tr><tr><td>Jan-22</td><td>46.5</td><td>38.1</td><td>55.8</td><td>43.5</td></tr><tr><td>Feb-22</td><td>53.8</td><td>43.6</td><td>59.4</td><td>46.6</td></tr><tr><td>Mar-22</td><td>41.7</td><td>36.2</td><td>48.2</td><td>32.7</td></tr></table> <p>Workers engaged in operation of HEMM etc. are provided with ear plugs. Noise level monitoring report of ambient &amp; work zone enclosed as <b>Annexure-6.</b></p>	Month	Towards Factory Gate		Near Ravana Office		Day	Night	Day	Night	Oct-21	52.3	41.6	62.5	48.9	Nov-21	48.7	32.7	58.4	43.7	Dec-21	45.7	34.1	52.7	41.1	Jan-22	46.5	38.1	55.8	43.5	Feb-22	53.8	43.6	59.4	46.6	Mar-22	41.7	36.2	48.2	32.7
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Mar-22	41.7	36.2	48.2	32.7																																					
(viii)	Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of workshop effluents.	<p><b>Complied with.</b> No industrial waste water is generating during mine operation and workshop waste water collected in pit and use in dust suppression. Trapped oil and grease has safely disposed by co-processing in own cement kiln.</p>																																							

PROPONENT	J. K. CEMENT WORKS, MANGROL (RAJ.)	Period from October-2021 to March-2022
PROJECT	Mangrol Lime Stone Mine (M.L. No. 26/08, Area 132 ha., Limestone 1.5 MMTPA, village- Mangrol, Tehsil-Nimbahera, District-Chittorgarh, Rajasthan.	
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(ix)	<p>Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.</p> <p>Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.</p>	<p>Agreed, Protective respiratory devices are provided to every personal working in dusty area. Training and information on safety and health aspects is imparted. Occupational health surveillance program of the workers is being undertaken periodically.</p> <p>Environment awareness program have conducted time to time in plant, mines &amp; near villages.</p> <p>Health, Safety, Environment related awareness display, displayed at mine, plant &amp; near villages.</p> <div data-bbox="837 547 1323 834" data-label="Image"> </div> <p><b>Environment slogan displayed in mine area</b></p> <div data-bbox="1368 544 1877 831" data-label="Image"> </div> <p><b>Safety slogan displayed in mine area</b></p> <div data-bbox="837 920 1337 1204" data-label="Image"> </div> <p><b>Environment Awareness Rally by J.K.ITI</b></p> <div data-bbox="1373 920 1890 1204" data-label="Image"> </div> <p><b>Environment Pledge by Workmen &amp; Employee</b></p>
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PROPONENT	J. K. CEMENT WORKS, MANGROL (RAJ.)	Period from October-2021 to March-2022
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		  <p><b>Environment Awareness Book Redemption in Govt. school Mangrol &amp; Arniya Joshi</b></p>   <p><b>Cloth bags distribution (Say NO Plastic Bag) River Cleaning during Swachh Bharat Abhiyan</b></p>
(x)	A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.	Agreed, We have already well equipped Environment Laboratory with suitable qualified personnel.
(xi)	The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry of Environment and Forests and its Regional Office located at Lucknow.	<p><b>Complying with.</b></p> <p>A separate fund is kept for environment protection measures and report is being sent regularly to the concerned authority.</p> <p>For environment protection measures expenditure made during FY 2021-22 was 2189251 lacs. Details are mention in table:</p>



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Environment Clearance issued from MOEF, New Delhi vide Letter No. J-11015/427/2008-IA.II (M) dated 06.08.2010		

			S. No.	Activity	Recurring Cost per Annum (Rs. In lacs)	
			1.	Pollution control expenses (Others)	43.514	
			2.	Pollution control expenses (Statutory water charges )	20.66.247	
			4.	CSR Expenses	79.490	
			Total (Rs.)		21,89,251	
(xii)	The project authorities should be inform to the Regional Office located at Lucknow regarding data of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	Noted				
(xiii)	The Regional Office of this Ministry located at Lucknow shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/information/monitoring reports.	Noted and will extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/information/monitoring reports.				
(xiv)	The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Ministry of Environment and Forests, its Regional Office located at Lucknow, the respective Zonal Office of Central Pollution Control Board the State Pollution Control Board. The proponent shall upload the status	Complying with.  Six monthly reports is being submitted to all concern offices as given in EC letter. Latest Six Monthly Monitoring report sent to RO & HO, MoEF&CC Lucknow, CPCB/ RPCB on MGR/PC-14/C12/, Dated 30.11.2021. & uploaded at company website which can be assess by following link. <a href="https://www.jkcement.com/environmental-compliance">https://www.jkcement.com/environmental-compliance</a>				

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	of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional office of the Ministry of Environment and Forests, Lucknow, the respective Zonal Office of Central Pollution Control Board and the State Pollution Control Board.	
(xv)	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, ZilaParisad, Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	Complied.
(xvi)	The State Pollution Control Board should display a copy of the clearance letter at the Regional Office, District Industry Centre and the Collector's Office/Tehsildar's Office for 30 days.	Complied.
(xvii)	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on	Complying with, The Environment statement report of FY 2020-21 has submitted vide letter no. MGR-PC-ESR-21/1262, Date: 17.09.2021.

PROPONENT	J. K. CEMENT WORKS, MANGROL (RAJ.)	Period from October-2021 to March-2022
PROJECT	Mangrol Lime Stone Mine (M.L. No. 26/08, Area 132 ha., Limestone 1.5 MMTPA, village- Mangrol, Tehsil-Nimbahera, District-Chittorgarh, Rajasthan.	
Environment Clearance issued from MOEF, New Delhi vide Letter No. J-11015/427/2008-IA.II (M) dated 06.08.2010		

	the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the Regional Office of the Ministry of Environment and Forests, Lucknow by e-mail.	
(xviii)	The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at website of the Ministry of Environment and Forests at <a href="http://envfor.nic.in">http://envfor.nic.in</a> and a copy of the same should be forwarded to the Regional Office of this Ministry located at Lucknow.	Implemented and the necessary information already sent to the concerned authority.



# TEAM TEST HOUSE

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



Approved by Ministry of Environment and Forest, Government of India as Environmental Laboratory

RSPCB

ISO 9001:2015

OHSAS 18001:2007

JDA/UDH

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

## TEST REPORT

Report No./ULR No. :	TC502522400003755	Date :	08-01-2022
Issued To :	M/S Mangrol Limestone Mine (ML No.-26/08) C/o J. K. Cement Works Tehsil- Nimbahera,, District- Chittorgarh (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	20-12-2021
Point of Collection :	Towards Factory Gate, Mangrol Mine	Date of Receipt :	24-12-2021
Date of Test/Analysis :	24-12-2021 to 08-01-2022	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]	11.39	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
3	Particulate Matter (PM2.5) [microgram/m3]	38.1	IS 5182 (Part 24) : 2019	60.00
4	Sulphur Dioxide [microgram/m3]	2.72	IS 5182 (Part 2) : 2001 RA 2017	80.00
5	Particulate Matter (PM 10) [microgram/m3]	77.24	IS 5182 (Part 23)-2006 RA 2017	100.00

### Notes :-

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- # The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.

*P. Maheshwan*  
Senior Analyst  
P. Maheshwan

*P. Maheshwan*  
Authorized Signatory  
(Report No: TC502522400003755 )





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## TEST REPORT

Report No./ULR No. :	TC502522400003756	Date :	08-01-2022
Issued To :	M/S Mangrol Limestone Mine (ML No.-26/08) C/o J. K. Cement Works Tehsil- Nimbahera,, District- Chittorgarh (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	20-12-2021
Point of Collection :	Near Ravana Office ,Mangrol Mine	Date of Receipt :	24-12-2021
Date of Test/Analysis :	24-12-2021 to 08-01-2022	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]	12.12	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
3	Particulate Matter (PM2.5) [microgram/m3]	36.25	IS 5182 (Part 24) : 2019	60.00
4	Sulphur Dioxide [microgram/m3]	2.58	IS 5182 (Part 2) : 2001 RA 2017	80.00
5	Particulate Matter (PM 10) [microgram/m3]	68.03	IS 5182 (Part 23)-2006 RA 2017	100.00

### Notes :-

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Senior Analyst

Puran Mal Yogi

Rajesh Maheshwari  
Authorized Signatory

(Report No: TC502522400003756 )





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Email : marketinglab@teamtesthouse.com

## TEST REPORT

Report No./ULR No. :	TC502522400003759	Date :	08-01-2022
Issued To :	M/S Mangrol Limestone Mine (ML No.-26/08) C/o J. K. Cement Works Tehsil- Nimbahera,, District- Chittorgarh (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	21-12-2021
Point of Collection :	Tie Village, Mangrol	Date of Receipt :	24-12-2021
Date of Test/Analysis :	24-12-2021 to 08-01-2022	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]	300	TTH/AAQM/08	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	15.48	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
3	Particulate Matter (PM2.5) [microgram/m3]	40.17	IS 5182 (Part 24) : 2019	60.00
4	Sulphur Dioxide [microgram/m3]	2.42	IS 5182 (Part 2) : 2001 RA 2017	80.00
5	Particulate Matter (PM 10) [microgram/m3]	82.59	IS 5182 (Part 23)-2006 RA 2017	100.00

### Notes :-

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Senior Analyst

Puran Mal Yogi

Authorized Signatory

(Report No: TC502522400003759 )





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## TEST REPORT

Report No./ULR No. :	TC502522400003760	Date :	08-01-2022
Issued To :	M/S Mangrol Limestone Mine (ML No.-26/08) C/o J. K. Cement Works Tehsil- Nimbahera,, District- Chittorgarh (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	21-12-2021
Point of Collection :	Mangrol Village	Date of Receipt :	24-12-2021
Date of Test/Analysis :	24-12-2021 to 08-01-2022	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]	12.46	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
3	Particulate Matter (PM2.5) [microgram/m3]	38.54	IS 5182 (Part 24) : 2019	60.00
4	Sulphur Dioxide [microgram/m3]	2.39	IS 5182 (Part 2) : 2001 RA 2017	80.00
5	Particulate Matter (PM 10) [microgram/m3]	62.46	IS 5182 (Part 23)-2006 RA 2017	100.00

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Senior Analyst

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## TEST REPORT

Report No./ULR No. :	TC502522400000428	Date :	02-03-2022
Issued To :	M/S Mangrol Limestone Mine (ML No.-26/08) C/o J. K. Cement Works Tehsil- Nimbahera,, District- Chittorgarh (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	24-02-2022
Point of Collection :	Towards Factory Gate, Mangrol Mine	Date of Receipt :	26-02-2022
Date of Test/Analysis :	26-02-2022 to 02-03-2022	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	Ammonia [microgram/m3]	BDL (<10.0)	IS 5182 (Part 25) : 2018	400.00
2	Carbon Monoxide [microgram/m3]	330	TTH/AAQM/08	4000
3	Lead [microgram/m3]	0.18	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	14.57	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
5	Ozone [microgram/m3]	BDL (<20.0)	APHA 1977,Part 819	100.00
6	Particulate Matter (PM2.5) [microgram/m3]	32.81	IS 5182 (Part 24) : 2019	60.00
7	Sulphur Dioxide [microgram/m3]	2.91	IS 5182 (Part 2) : 2001 RA 2017	80.00
8	Particulate Matter (PM 10) [microgram/m3]	69.97	IS 5182 (Part 23)-2006 RA 2017	100.00
9	Arsenic [ng/m3]	BDL(<2.0)	IS 5182 (Part 22) : 2004 Reaffirmed 2019	6.00
10	Nickel [ng/m3]	6.8	IS 5182 : Part 26 : 2020	20.00

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*Puran*  
**Puran Mal Yogi**

*Rajesh*  
**Rajesh Maheshwan**



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### TEST REPORT

Report No./ULR No. :	400000428	Date :	02-03-2022
Issued To :	M/S Mangrol Limestone Mine (ML No.-26/08) C/o J. K. Cement Works Tehsil- Nimbahera,, District- Chittorgarh (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	24-02-2022
Point of Collection :	Towards Factory Gate, Mangrol Mine	Date of Receipt :	26-02-2022
Date of Test/Analysis :	26-02-2022 to 02-03-2022	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	Benzene [microgram/m3]	BDL (<1.0)	IS 5182 (Part 11) : 2012 RA 2017	5.00
2	Benzo-alfa- Pyrene [ng/m3]	BDL(<0.5)	CPCB Guidelines	1.00

#### Notes :-

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Puran Mal Yogi  
Senior Analyst

Rajesh Maheshwari  
Authorized Signatory  
(Report No: 400000428 )





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Email : marketinglab@teamtesthouse.com

## TEST REPORT

Report No./ULR No. :	TC502522400000429	Date :	02-03-2022
Issued To :	M/S Mangrol Limestone Mine (ML No.-26/08) C/o J. K. Cement Works Tehsil- Nimbahera,, District- Chittorgarh (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	25-02-2022
Point of Collection :	Near Ravana Office ,Mangrol Mine	Date of Receipt :	26-02-2022
Date of Test/Analysis :	26-02-2022 to 02-03-2022	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	Ammonia [microgram/m3]	BDL (<10.0)	IS 5182 (Part 25) : 2018	400.00
2	Carbon Monoxide [microgram/m3]	340	TTH/AAQM/08	4000
3	Lead [microgram/m3]	0.15	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	16.42	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
5	Ozone [microgram/m3]	BDL (<20.0)	APHA 1977,Part 819	100.00
6	Particulate Matter (PM2.5) [microgram/m3]	25.63	IS 5182 (Part 24) : 2019	60.00
7	Sulphur Dioxide [microgram/m3]	3.56	IS 5182 (Part 2) : 2001 RA 2017	80.00
8	Particulate Matter (PM 10) [microgram/m3]	66.89	IS 5182 (Part 23)-2006 RA 2017	100.00
9	Arsenic [ng/m3]	BDL(<2.0)	IS 5182 (Part 22) : 2004 Reaffirmed 2019	6.00
10	Nickel [ng/m3]	5.3	IS 5182 : Part 26 : 2020	20.00

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Puran Mal Yogi

Rajesh Maheshwari



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### TEST REPORT

Report No./ULR No. :	400000429	Date :	02-03-2022
Issued To :	M/S Mangrol Limestone Mine (ML No.-26/08) C/o J. K. Cement Works Tehsil- Nimbahera,, District- Chittorgarh (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	25-02-2022
Point of Collection :	Near Ravana Office ,Mangrol Mine	Date of Receipt :	26-02-2022
Date of Test/Analysis :	26-02-2022 to 02-03-2022	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	Benzene [microgram/m3]	BDL (<1.0)	IS 5182 (Part 11) : 2012 RA 2017	5.00
2	Benzo-alfa- Pyrene [ng/m3]	BDL(<0.5)	CPCB Guidelines	1.00

#### Notes :-

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Puran Mal Yogi  
Senior Analyst

Rakesh Maheshwari  
Authorized Signatory  
(Report No: 400000429 )





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

## TEST REPORT

Report No./ULR No. :	TC502522400000432	Date :	02-03-2022
Issued To :	M/S Mangrol Limestone Mine (ML No.-26/08) C/o J. K. Cement Works Tehsil- Nimbahera,, District- Chittorgarh (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	25-02-2022
Point of Collection :	Tie Village, Mangrol	Date of Receipt :	26-02-2022
Date of Test/Analysis :	26-02-2022 to 02-03-2022	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	2 Ltr.	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	Ammonia [microgram/m3]	BDL (<10.0)	IS 5182 (Part 25) : 2018	400.00
2	Carbon Monoxide [microgram/m3]	340	TTH/AAQM/08	4000
3	Lead [microgram/m3]	0.15	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	13.24	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
5	Ozone [microgram/m3]	BDL (<20.0)	APHA 1977, Part 819	100.00
6	Particulate Matter (PM2.5) [microgram/m3]	32.01	IS 5182 (Part 24) : 2019	60.00
7	Sulphur Dioxide [microgram/m3]	3.77	IS 5182 (Part 2) : 2001 RA 2017	80.00
8	Particulate Matter (PM 10) [microgram/m3]	77.2	IS 5182 (Part 23)-2006 RA 2017	100.00
9	Arsenic [ng/m3]	BDL(<2.0)	IS 5182 (Part 22) : 2004 Reaffirmed 2019	6.00
10	Nickel [ng/m3]	7.6	IS 5182 : Part 26 : 2020	20.00

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Puran Mal Yogi

Rajesh Maheshwari



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Email : marketinglab@teamtesthouse.com

### TEST REPORT

Report No./ULR No. :	400000432	Date :	02-03-2022
Issued To :	M/S Mangrol Limestone Mine (ML No.-26/08) C/o J. K. Cement Works Tehsil- Nimbahera,, District- Chittorgarh (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	25-02-2022
Point of Collection :	Tie Village, Mangrol	Date of Receipt :	26-02-2022
Date of Test/Analysis :	26-02-2022 to 02-03-2022	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	2 Ltr.	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	Benzene [microgram/m3]	BDL (<1.0)	IS 5182 (Part 11) : 2012 RA 2017	5.00
2	Benzo-alfa- Pyrene [ng/m3]	BDL(<0.5)	CPCB Guidelines	1.00

#### Notes :-

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**Puran Mal Yogi**  
Senior Analyst

**Rakesh Maheshwari**  
Authorized Signatory  
(Report No: 400000432 )





# TEAM TEST HOUSE

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



Approved by Ministry of Environment and Forest, Government of India as Environmental Laboratory

RSPCB

ISO 9001:2015,

ISO 14001:2015,

ISO 45001:2018 (OH&S)

JDA/UDH

Office : E-65, Chitrangan Marg,  
C-Scheme, Jaipur - 302001, Rajasthan  
Phone : +91 6377210064, 9414077379,  
Website : www.teamtesthouse.com  
Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,  
Sitapura, Jaipur - 302022, Rajasthan  
Phone : +91 9460222039, 9460222049,  
Email : director@teamtesthouse.com,  
Email : marketinglab@teamtesthouse.com

## TEST REPORT

Report No./ULR No. :	TC502522400000433	Date :	02-03-2022
Issued To :	M/S Mangrol Limestone Mine (ML No.-26/08) C/o J. K. Cement Works Tehsil- Nimbahera,, District- Chittorgarh (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	25-02-2022
Point of Collection :	Mangrol Village	Date of Receipt :	26-02-2022
Date of Test/Analysis :	26-02-2022 to 02-03-2022	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	Ammonia [microgram/m3]	BDL (<10.0)	IS 5182 (Part 25) : 2018	400.00
2	Carbon Monoxide [microgram/m3]	360	TTH/AAQM/08	4000
3	Nitrogen Dioxide as NO2 [microgram/m3]	13.39	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
4	Ozone [microgram/m3]	BDL (<20.0)	APHA 1977,Part 819	100.00
5	Particulate Matter (PM2.5) [microgram/m3]	37.62	IS 5182 (Part 24) : 2019	60.00
6	Sulphur Dioxide [microgram/m3]	3.81	IS 5182 (Part 2) : 2001 RA 2017	80.00
7	Particulate Matter (PM 10) [microgram/m3]	82.18	IS 5182 (Part 23)-2006 RA 2017	100.00
8	Arsenic [ng/m3]	BDL(<2.0)	IS 5182 (Part 22) : 2004 Reaffirmed 2019	6.00
9	Nickel [ng/m3]	5.9	IS 5182 : Part 26 : 2020	20.00

### Notes :-

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Puran Mal Yogi  
Senior Analyst

Rajesh Maheshwari  
Authorized Signatory



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Sitapura, Jaipur - 302022, Rajasthan  
Phone : +91 9460222039, 9460222049,  
Email : director@teamtesthouse.com,  
Email : marketinglab@teamtesthouse.com

## TEST REPORT

Report No./ULR No. :	400000433	Date :	02-03-2022
Issued To :	M/S Mangrol Limestone Mine (ML No.-26/08) C/o J. K. Cement Works Tehsil- Nimbahera,, District- Chittorgarh (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	25-02-2022
Point of Collection :	Mangrol Village	Date of Receipt :	26-02-2022
Date of Test/Analysis :	26-02-2022 to 02-03-2022	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	Benzene [microgram/m3]	BDL (<1.0)	IS 5182 (Part 11) : 2012 RA 2017	5.00
2	Benzo-alfa- Pyrene [ng/m3]	BDL(<0.5)	CPCB Guidelines	1.00

### Notes :-

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Puran Mal Yogi  
Senior Analyst

Rakesh Maheshwari  
Authorized Signatory  
(Report No: 400000433 )





JK Cement Works, Mangrol

A unit of JK Cement Ltd.

CIN: L17229UP1994PLC017199

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

+91-1477-220098, 220087 jkc.mgrl@jkcement.com

www.jkcement.com

MGR/PC/14/C12/

Regd.AD.

25.01.2022

To,

**The Additional Director (M)**

Indira Paryavaran Bhawan,

JOR Bagh Road,

Near JOR Bagh Metro station

**New Delhi- 110003**

**Subject: Compliance to Specific condition no. A (XVI) of Environmental Clearance for Mangrol Limestone Mine of J. K. Cement Works, Mangrol (Rajasthan).**

**Ref: - Environmental Clearance letter no. J – 110115 /427/2008-IA. II (M) dated. 06<sup>th</sup> August 2010**

Dear Sir,

Kindly refer to the above subject matter and referral EC letter, as per the conditions laid down in Specific condition no. A (XVI) of Environmental Clearance for submission of water level and water quality report.

Therefore, we are submitting herewith **Winter** (January'2022) report of **Mangrol Limestone Mine** in response to above subject. This is for your reference please.

Thanking you.

Yours faithfully,

For J. K. Cement Works, Nimbahera

R. B. M. Tripathi  
President (Operations)

Encl: as above.

Copy:

- 1. The Deputy Director (S),** Environment Division, Integrated Regional Office, MoEF &CC, Govt of India, A-218, Aranya Bhawan, Jhalana Institutional Area, Jaipur-304002
- 2. The Member Secretary,** Central Ground Water Authority, Ministry of Water Resources (G.O.I.), 16/11, Jam Nagar House, Mansingh Road NEW DELHI- 110011
- 3. The Regional Director,** Central Ground Water Board (Western Region), Jhalana Dungri Institutional Area, Jaipur – 302004 (Rajasthan)

Corporate Office

Padam Tower, 19 DDA Community Centre  
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www.jkcement.com

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

## TEST REPORT

Report No./ULR No. :	TC502522200000361	Date :	02-03-2022
Issued To :	M/S J.K. Cement Works (Mangrol) Village- Mangrol, Tehsil - Nimbahera,, District - Chittorgarh-312617 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Wastewater Sample	Date of Sample Collection/Monitoring :	18-02-2022
Point of Collection :	Mangroal Mine Workshop Water	Date of Receipt :	22-02-2022
Date of Test/Analysis :	22-02-2022 to 28-02-2022	Sampling Plan :	APHA 2017 : 1060
Quantity of Sample :	2 Ltr.	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	Total Suspended Solids [mg/l]	25	APHA.2017:2540-D	100
2	Biochemical Oxygen Demand (BOD) [mg/l]	11.33	APHA 2017:5210-B	30
3	Chloride as Cl [mg/l]	113.5	APHA 2017 : 4500- Cl- B	-
4	Chemical Oxygen Demand (COD) [mg/l]	91.52	APHA:2017 : 5220-C	250
5	pH	7.48	APHA:2017 : 4500 H+B	5.5 - 9.0
6	Phosphate (total) as P [mg/l]	BDL (<0.1)	APHA 2017 : 4500-P C	5
7	Sulphate [mg/l]	72.49	APHA:2017 : 4500-SO4-E	-
8	Chromium Total [mg/l]	BDL(<0.01)	APHA :2017 :3111- B	2.0
9	Copper [mg/l]	BDL(<0.01)	APHA :2017 :3111- B	3.0
10	Iron [mg/l]	BDL(<0.01)	APHA :2017 :3111- B	3.0
11	Zinc [mg/l]	BDL(<0.01)	APHA :2017 :3111- B	5.0
12	Oil & Grease [mg/l]	4	APHA 2017 : 5520 B	10
13	Total Residual chlorine [mg/l]	BDL (<0.1)	APHA 2017 : 4500- Cl- B	0.5

### Notes :-

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Senior Analyst  
**Sunil Kumar**

Authorized Signatory  
(Report No: TC502522200000361)



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  
निमित्त,

दिनांक :- 13.7.2021

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

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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

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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

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व  
25  
1-07-2021  
D



Corporate & Registered Office : Kamla Tower, Kanpur-208001, (U. P.) INDIA  
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J. K. Cement Works, Nimbahera  
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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&amp;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 : 14-01-2021

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 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	5 <sup>th</sup>	6 <sup>th</sup>	7 <sup>th</sup>	8 <sup>th</sup>	9 <sup>th</sup>	10 <sup>th</sup>		
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	
	<b>TOTAL FOR WCP FOR TOR PROJECTS</b>	<b>57.06</b>	<b>16</b>	<b>16</b>	<b>18</b>	<b>22</b>	<b>25</b>	<b>25</b>	<b>34</b>	<b>34</b>	<b>38.29</b>	<b>285.35</b>	



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 प्लांट 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





**TEAM TEST HOUSE****(Unit of Team Institute of Science & Technology Pvt. Ltd.)**

Approved by Ministry of Environment and Forest, Government of India as Environmental Laboratory

RSPCB

ISO 9001:2015

OHSAS 18001:2007

JDA/UDH

Office : E-65, Chitrangan Marg,  
C-Scheme, Jaipur - 302001, Rajasthan  
Phone : +91 6377210064, 9414077379,  
Website : www.teamtesthouse.com  
Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,  
Sitapura, Jaipur - 302022, Rajasthan  
Phone : +91 9460222039, 9460222049,  
Email : director@teamtesthouse.com,  
Email : marketinglab@teamtesthouse.com

**TEST REPORT**

Report No./ULR No. :	TC502522400003757	Date :	08-01-2022
Issued To :	M/S Mangrol Limestone Mine (ML No.-26/08) C/o J. K. Cement Works Tehsil- Nimbahera,, District- Chittorgarh (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	20-12-2021
Point of Collection :	3-10 Meter Distance Form Drilling Point of Mangrol Mine	Date of Receipt :	24-12-2021
Date of Test/Analysis :	24-12-2021 to 08-01-2022	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]	250	TTH/AAQM/08	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	12.26	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	297.5	IS 5182 (Part 4) : 1999 RA 2019	-
4	Sulphur Dioxide [microgram/m3]	1.88	IS 5182 (Part 2) : 2001 RA 2017	80.00

**Notes :-**

- # The results listed refer only to the tested sample (s) & parameters (s). Endorsement of products is neither inferred nor implied.
- # This report is not to be reproduced wholly or in part and can not be used evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- # The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.

Senior Analyst

Puran Mal Yogi

Rajesh Maheshwari

Authorized Signatory

(Report No: TC502522400003757 )





# TEAM TEST HOUSE

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



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Website : www.teamtesthouse.com  
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Sitapura, Jaipur - 302022, Rajasthan  
Phone : +91 9460222039, 9460222049,  
Email : director@teamtesthouse.com,  
Email : marketinglab@teamtesthouse.com

## TEST REPORT

Report No./ULR No. :	TC502522400003758	Date :	08-01-2022
Issued To :	M/S Mangrol Limestone Mine (ML No.-26/08) C/o J. K. Cement Works Tehsil- Nimbahera,, District- Chittorgarh (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	21-12-2021
Point of Collection :	Near Loading point of Mangrol Mine	Date of Receipt :	24-12-2021
Date of Test/Analysis :	24-12-2021 to 08-01-2022	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]	14.24	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	420.44	IS 5182 (Part 4) : 1999 RA 2019	-
4	Sulphur Dioxide [microgram/m3]	1.57	IS 5182 (Part 2) : 2001 RA 2017	80.00

### Notes :-

- # The results listed refer only to the tested sample (s) & parameters (s). Endorsement of products is neither inferred nor implied.
- # This report is not to be reproduced wholly or in part and can not be used evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- # The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.

Senior Analyst  
Puran Mal Yogi

Authorized Signatory  
Rajesh Maheshwari

(Report No: TC502522400003758 )



# TEAM TEST HOUSE

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



Approved by Ministry of Environment and Forest, Government of India as Environmental Laboratory

RSPCB

ISO 9001:2015,

ISO 14001:2015,

ISO 45001:2018 (OH&S)

JDA/UDH

Office : E-65, Chitrangan Marg,  
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Phone : +91 6377210064, 9414077379,  
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Phone : +91 9460222039, 9460222049,  
Email : director@teamtesthouse.com,  
Email : marketinglab@teamtesthouse.com

## TEST REPORT

Report No./ULR No. :	TC502522400000430	Date :	02-03-2022
Issued To :	M/S Mangrol Limestone Mine (ML No.-26/08) C/o J. K. Cement Works Tehsil- Nimbahera,, District- Chittorgarh (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Fugitive Emission Quality Monitoring	Date of Sample Collection/Monitoring :	24-02-2022
Point of Collection :	3-10 Meter Distance Form Drilling Point of Mangrol Mine	Date of Receipt :	26-02-2022
Date of Test/Analysis :	26-02-2022 to 02-03-2022	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
1	Suspended Particulate Matter [microgram/m3]	430.52	IS 5182 (Part 4) : 1999 RA 2019
2	Sulphur Dioxide [microgram/m3]	4.24	IS 5182 (Part 2) : 2001 RA 2017
3	Oxides of Nitrogen [microgram/m3]	15.94	IS 5182 (Part 6) : 2006 Reaffirmed 2017
4	Carbon Monoxide [microgram/m3]	320	TTH/AAQM/08

Notes :-

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*Puran*  
**Puran Mal Yogi**  
Senior Analyst

*Rajesh*  
**Rajesh Maheshwari**  
Authorized Signatory  
(Report No: TC502522400000430 )





# TEAM TEST HOUSE

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



Approved by Ministry of Environment and Forest, Government of India as Environmental Laboratory

RSPCB

ISO 9001:2015,

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ISO 45001:2018 (OH&S)

JDA/UDH

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Email : marketinglab@teamtesthouse.com

## TEST REPORT

Report No./ULR No. :	TC502522400000431	Date :	02-03-2022
Issued To :	M/S Mangrol Limestone Mine (ML No.-26/08) C/o J. K. Cement Works Tehsil- Nimbahera,, District- Chittorgarh (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Fugitive Emission Quality Monitoring	Date of Sample Collection/Monitoring :	25-02-2022
Point of Collection :	Near Loading point of Mangrol Mine	Date of Receipt :	26-02-2022
Date of Test/Analysis :	26-02-2022 to 02-03-2022	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
1	Suspended Particulate Matter [microgram/m3]	372.43	IS 5182 (Part 4) : 1999 RA 2019
2	Sulphur Dioxide [microgram/m3]	4.5	IS 5182 (Part 2) : 2001 RA 2017
3	Oxides of Nitrogen [microgram/m3]	14.82	IS 5182 (Part 6) : 2006 Reaffirmed 2017
4	Carbon Monoxide [microgram/m3]	320	TTH/AAQM/08

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Senior Analyst

*Rajesh Maheshwari*  
Authorized Signatory  
(Report No: TC502522400000431 )





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## TEST REPORT

Report No./ULR No. :	TC502522600002706	Date :	08-01-2022
Issued To :	M/S Mangrol Limestone Mine (ML No.-26/08) C/o J. K. Cement Works Tehsil- Nimbahera,, District- Chittorgarh (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Noise Level Monitoring	Date of Sample Collection/Monitoring :	21-12-2021
Point of Collection :	Towards Factory Gate, Mangrol Mine	Date of Receipt :	24-12-2021
Date of Test/Analysis :	24-12-2021 to 08-01-2022	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)]	65.8	IS 9989	75
2	Noise Level (Night Time) : Leq [dB(A)]	50.7	IS 9989	65

### Notes :-

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Senior Analyst

Puran Mal Yogi

Authorized Signatory

(Report No: TC502522600002706 )



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## TEST REPORT

Report No./ULR No. :	TC502522600002707	Date :	08-01-2022
Issued To :	M/S Mangrol Limestone Mine (ML No.-26/08) C/o J. K. Cement Works Tehsil- Nimbahera,, District- Chittorgarh (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Noise Level Monitoring	Date of Sample Collection/Monitoring :	21-12-2021
Point of Collection :	Near Ravana Office ,Mangrol Mine	Date of Receipt :	24-12-2021
Date of Test/Analysis :	24-12-2021 to 08-01-2022	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)]	62.6	IS 9989	75
2	Noise Level (Night Time) : Leq [dB(A)]	52.5	IS 9989	65

### Notes :-

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*Puran*

Senior Analyst  
**Puran Mal Yogi**

*Rajesh*

**Rajesh Maheshwari**  
Authorized Signatory

(Report No: TC502522600002707 )





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

## TEST REPORT

Report No./ULR No. :	TC502522600000266	Date :	02-03-2022
Issued To :	M/S Mangrol Limestone Mine (ML No.-26/08) C/o J. K. Cement Works Tehsil- Nimbahera,, District- Chittorgarh (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Noise Level Monitoring	Date of Sample Collection/Monitoring :	25-02-2022
Point of Collection :	Towards Factory Gate, Mangrol Mine	Date of Receipt :	26-02-2022
Date of Test/Analysis :	26-02-2022 to 02-03-2022	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)]	63.7	IS 9989	75
2	Noise Level (Night Time ) : Leq [dB(A)]	55.3	IS 9989	65

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Puran Mal Yogi  
Senior Analyst

Rakesh Maheshwari  
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## TEST REPORT

Report No./ULR No. :	TC502522600000267	Date :	02-03-2022
Issued To :	M/S Mangrol Limestone Mine (ML No.-26/08) C/o J. K. Cement Works Tehsil- Nimbahera,, District- Chittorgarh (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Noise Level Monitoring	Date of Sample Collection/Monitoring :	25-02-2022
Point of Collection :	Near Ravana Office ,Mangrol Mine	Date of Receipt :	26-02-2022
Date of Test/Analysis :	26-02-2022 to 02-03-2022	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)]	64.2	IS 9989	75
2	Noise Level (Night Time ) : Leq [dB(A)]	56.7	IS 9989	65

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**Puran Mal Yogi**  
Senior Analyst

**Rajesh Maheshwari**  
Authorized Signatory  
(Report No: TC502522600000267 )