

Regd. A.D.

UCWL/ENV&SUST /2020-21/ 2632

28th May 2021

The Dy. Director Scientist –“C”

Ministry of Environment, Forest and Climate Change,
Regional Officer , Aranya Bhawan, IInd Floor,
Jaipur 302004

Sub: Submission of six monthly compliance reports of conditions of Environmental Clearances of Daroli Limestone Mine-1 & 2 (ML. No. 02/88(new no. 186/08) & 64/79(new no. 23/01)) respectively by M/s Udaipur Cement Works Ltd. located in village- Daroli, Tehsil- Vallabhnagar, Distt.-Udaipur(Raj.)

Ref: 1. Environmental clearance letter no. J-11015/460/2006-IA II (M), Dated 02/01/2009
2. Environmental clearance letter no. J-11015/453/2006-IA II (M), Dated 05/01/2009

Dear Sir,

With reference to the aforesaid subject, please find enclosed herewith the **six monthly (Second half yearly) Environmental Clearance compliance reports** for the period of **October 2020 to March 2021** for our Daroli Limestone Mine-1 & Daroli Limestone Mine-2.

As per MoEF&CC Notification S.O.-585 dated 26.11.2018, we are submitting sending soft copy of the report to your good office through E-Mail-iro.jaipur-mefcc@gov.in. & m_env@rediffmail.com

Hope you find the above in line with the requirement. This is for your kind record, please.

Thanking you,

Yours faithfully,
For UDAIPUR CEMENT WORKS LTD.,

P. K. Chouhan

P. K. Chouhan
(General Manager – QC)

Encl: As Above

CC:

1. The Member Secretary, Rajasthan State Pollution Control Board,- 4, Paryavaran Marg, Institutional Area, Jhalana Doongari, Jaipur, Rajasthan- 312004
2. Regional Officer, RSPCB-Udaipur- F-470, Near UCCI Bhavan, Madri Industrial Area, Udaipur (Rajasthan) - 313001

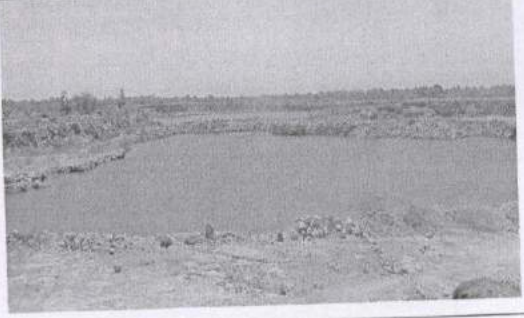





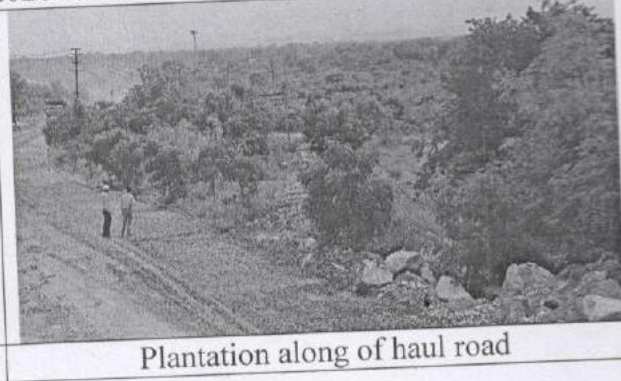
Environmental Clearance Compliance Report (Oct 20 to March 21)
Daroli LS Mine-1 (02/88)

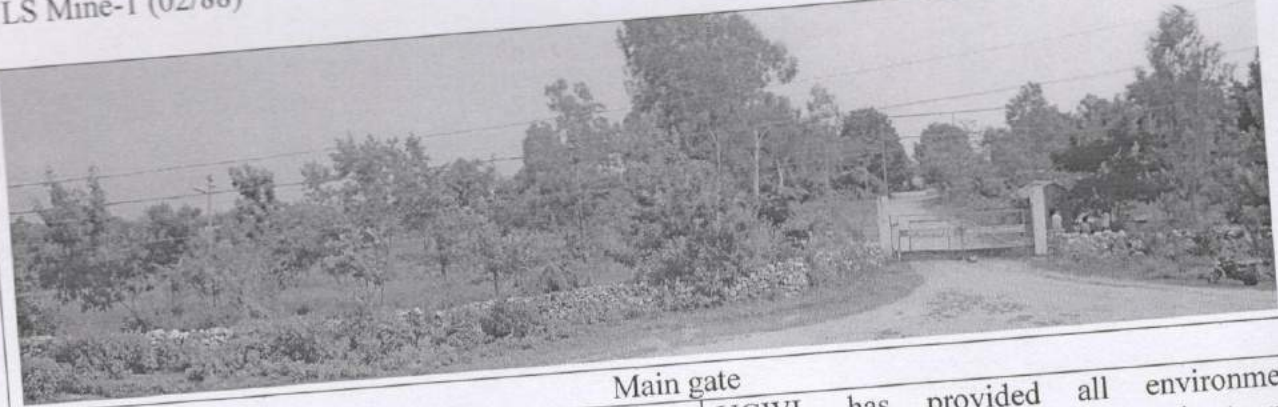
Name of the Project	Daroli Limestone Mine -1 (M.L. No. 02/88 (186/08 (New)
EC Letter No	J-11015/460/2006-IA II (M), Dated 02/01/2009
Period of Compliance	Reporting Period : Oct-20 to March 2021 (Second Half Yearly)

Specific Conditions:

S/N	CONDITIONS	COMPLIANCE
1	The project proponent shall obtain Consent to Establish from the Rajasthan State Pollution Control Board and effectively implement all the conditions stipulated therein.	M/s Udaipur Cement Works Ltd (UCWL) had obtained Consent to Establish vide letter no. F(Mines)/Udaipur(Vallabh Nagar/1(1)/2009 2010/1789 Dated 16/07/2009 and thereafter consent to operate (renewed) vide letter no.- F(Mines)/Udaipur(Girwa)/5095(1)/2019-2020/1614-1618 dated 22/7/2019, the same is valid till 30/4/2024. The Compliance of the consent condition is being submitting to State Pollution Control Board authorities as per time to time.
2	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.	At present our mining operations are only restricted to Govt. Waste lands. The progressive mine development for the proposed mine period doesn't require any agricultural land. Agriculture land shall be procured on later stages if necessary. All necessary approvals will be taken from the concerned authority at later stages. Mining operations will be performed in compliance with DGMS rules.
3	The top soil, if any, shall temporarily be stores at earmarked site(s) only and it should not be kept unutilized for long. The topsoil shall be used for land reclamation and plantation.	There is no top soil. Hence, not applicable
4	The project proponent shall ensure that no natural watercourse and /or water resources shall be obstructed due to any mining operations. The Daroli tank and the seasonal streams passing through the lease area shall be protected and left undisturbed.	UCWL has adopted best mining practice and is being regularly carrying out as per approved mining plan & strictly ensures that no natural water source obstructed during mining operations. The Daroli tank and the seasonal streams passing through the lease area is protected and left undisturbed. We are regularly monitoring ground water leveling in open dug/piezowell and submitting the report to Ministry. Report is attached in Annexure-1
5	The inter burden generated during the mining operations shall be stacked at earmarked dump site(s) only and it should not be kept active for a long period of time and their phase-wise stabilization shall be carried out. There shall be three external dumps. The maximum height of the dumps shall be 18m having two terraces of 9m each, and the overall slope of the dumps shall be	Complying with as the dump sites for inter burden has been earmarked as per the condition no. 5. Also provisions for stacking of inter burden within the lease area have been clearly marked in the approved Mining Plan. The conditions have been taken into consideration in the progressive mine closure

	<p>27°C. The inter burden dumps shall be scientifically vegetated with suitable native species to prevent erosion and surface run off. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment & Forests and its Regional Office located at Lucknow on six monthly basis.</p>	<p>plan (A part of mining plan thoroughly screened & approved by IBM). The inter burden dumps is properly scientifically vegetated with suitable native species to prevent erosion and surface run off. Monitoring and management of rehabilitated areas are continuing until the vegetation becomes self-sustaining. The Compliance status report is being regularly submitting to the Ministry of Environment & Forests and its Regional Office located at Jaipur on prescribed interval as (six monthly basis).</p>
6	<p>Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, mineral and inter burden dump(s) to prevent run off of water and flow of sediments directly into the Berach River, the Daroli tank, the seasonal streams passing through the lease area and other water bodies. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains shall be regularly desilted particularly after the monsoon and maintained properly.</p> <p>Garland drains, settling tanks and check dams of appropriate size, gradient and length shall be constructed both around the mine pit and the inter burden dumps to prevent run off of water and flow of sediments directly into the Berach River, the Daroli tank, the seasonal streams passing through the lease area and other water bodies and sump capacity should be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of the silt material. Sedimentation pits shall be constructed at the corners of the garland drains and desilted at regular intervals.</p>	<p>UCWL has already been constructed catch drains and siltation ponds around the mine working area and inter burden dumps to prevent run off of rain water and flow of sediments directly into the Berach River, daroli tank & the seasonal streams, which are passing through the lease area. The collected rain water in mine pits are being utilizing for watering in the mine area like (road spraying, green belt development) etc. The constructed drains are periodically de-silted particularly after the monsoon and maintained.</p> <p>Garland drains, settling tanks & check dams have been constructed around the mine pit and the inter burden dumps to prevent run off of rain water and flow of sediments directly into the Berach River, daroli tank & the seasonal streams. Sedimentation pits have been constructed at the corners of the garland drains and de-silted periodically.</p> <p>Adequate dimension sump has been provided for settling of the silt material.</p>
		
7	<p>The void left unfilled in an area of 260 ha shall be</p>	<p>UCWL ensures to convert mentioned area into</p>

	<p>converted into the water body.</p> <p>The higher benches of excavated void/mining pit shall be terraced and plantation done to stabilize the slopes. The slopes of higher benches shall be made gentler for easy accessibility by local people to use the water body. Peripheral fencing shall be carried out along the excavated area.</p>	<p>the water body after completion of mining activity as per the Final Mine Closure Plan (FMCP). Also ensuring that the higher benches of excavated void/mining pit will be terraced and development of green belt accordingly as per the slope stabilize. This slopes (higher benches) made gentler for easy accessibility by local people. Proper fencing is provided around the excavated area.</p>
8	<p>Dimension of the retaining wall at the toe of the inter burden dump(s) and the inter burden benches within the mine to check run-off and siltation should be based on the rainfall data.</p>	<p>Complying with, the required dimensions of the retaining wall at the toe of dumps , inter burden benches within the mine to check run-off and siltation have been kept based on the rainfall data.</p>
9	<p>Regular monitoring of the Daroli tank shall be carried out and records maintained.</p>	<p>The water quality of the Daroli tank is being monitored by NABL approved Lab and records are maintained. A quality report is attached in Annexure-2</p>
10	<p>Plantation shall be raised in an area of 154ha including a 7.5m wide green belt in the safety zone around the mining lease, inter burden dumps, mine benches and around the water body, around Daroli tank, roads etc. by planting the native species in consultation with the local DFO/Agriculture Department. The density of the trees should be around 1500 plants per ha.</p>	<p>Development of green belt are regular activity & UCWL will ensure cover-up of an area of 154 ha and the density of the trees maintained at inter burden, dumps site & daroli tank, roads etc. as per consultation with DFO & recommending species are planting like nerium oleander, Dalbergia sissoo. The below progressive photographs is showing activity.</p>
 <p style="text-align: center;">Fresh Plantation (22/12/2020 & 26/03/2021)</p>		
 <p style="text-align: center;">Mine office Approach road</p>		 <p style="text-align: center;">Plantation along of haul road</p>



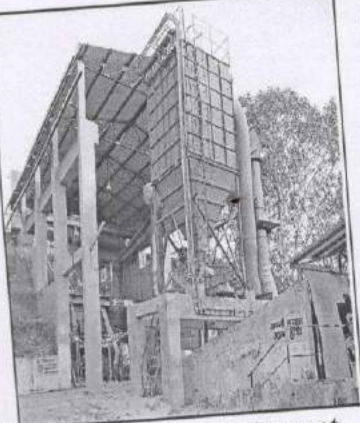
Main gate

11 Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of SPM and RSPM such as haul road, loading and unloading point and transfer points. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.

UCWL has provided all environmental protection measures and safeguards, to main better Air Quality, The mine air quality data is mentioned in the general condition no-5. The provided environmental measure are given below-

- All the haul roads is being kept properly graded with sufficient width and regular water spraying is being/ will be done on the haul roads.
- Water is being spraying on, blasted material/muck pile and unloading point to avoid dust generation
- Bag filter installed at crusher and transfer points
- Water spraying arrangement has been provided with Crusher hopper.
- The entire belt conveyor system is fully covered
- Drilling machines is equipped water injection system for wet drilling.

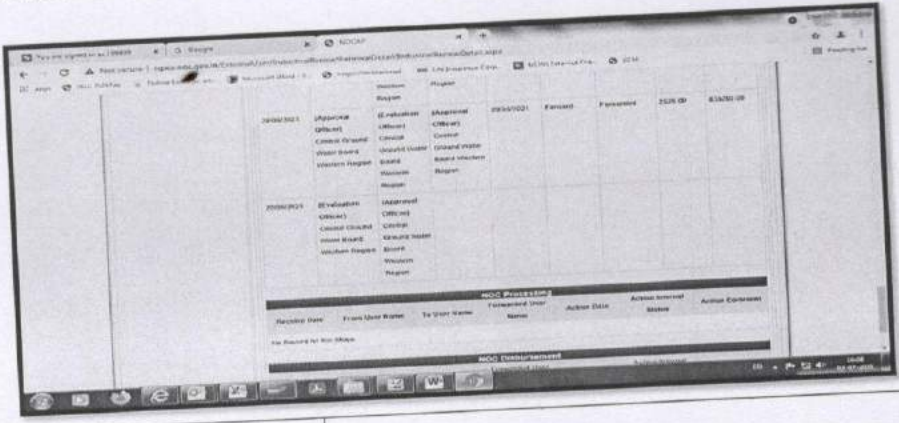
EC Daroli LS Mine-1



12 The project proponent shall take adequate environmental safeguard measures to protect the Berach River flowing adjacent to the mine lease and regularly monitor the water quality upstream and downstream of the River and record of monitoring data should be maintained and submitted to the Ministry of Environment and

UCWL already taken adequate environmental safeguard measures to protect the Berach River flowing adjacent to the mine lease.(See the compliance no.-6). The water quality monitoring of Berach river is carrying out by NABL approved lab regular basis and records of the same are maintained. A

Environmental Clearance Compliance Report (Oct 20 to March 21)
 Daroli LS Mine-1 (02/88)

<p>Forests, its Regional Office, Lucknow, the Central Groundwater Authority, the Regional Director, Central Ground Water Board, the State Pollution Control Board and the Central Pollution Control Board.</p>	<p>quality report is attached in Annexure-3 below & submitting by this compliance report to all concerned govt. authorities.</p>																						
<p>13 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.</p>	<p>Suitable conservation measures i.e. Loose stone check dams, dugout ponds, recharge trenches, earthen check dams etc. have been developed to augment ground water resources.</p>																						
<p>14 Regular monitoring of ground water level and quality shall be carried out in and around the mine lease by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring shall be carried out four times in a year, pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January) and the data thus collected 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>Monitoring of ground water in respect to level and quality is being done as per the prescribed schedule and reports are being submitting to all concerned govt. authorities.. The water quality of Mine pit , Daroli tank & water level report is attached in Annexure-4 which is monitored by NABL Approved labs.</p>																						
<p>15 The project proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of ground water for the project.</p>	<p>UCWL has obtained NOC for ground water withdrawal vide letter no. 21-4(211)/WR/CGWA/2007-626 dated 22.04.2016 & further Renewal Application is already submitted to CGWB/A vide application number UCWL/ENV&SUST/CGWA/1308. In this connection a recommendation has been forwarded by CGWB to CGWA Delhi on dated 22/5/2020 for final approval.</p>																						
 <table border="1"> <thead> <tr> <th>Application No.</th> <th>Applicant</th> <th>Approved</th> <th>Forwarded</th> <th>Forwarded Date</th> <th>Forwarded By</th> <th>Forwarded To</th> </tr> </thead> <tbody> <tr> <td>2008/201</td> <td>UCWL</td> <td>CGWA</td> <td>CGWA</td> <td>22/04/2016</td> <td>Regional Director</td> <td>Central Ground Water Board</td> </tr> <tr> <td>2008/201</td> <td>UCWL</td> <td>CGWA</td> <td>CGWA</td> <td>22/05/2020</td> <td>Regional Director</td> <td>Central Ground Water Board</td> </tr> </tbody> </table>	Application No.	Applicant	Approved	Forwarded	Forwarded Date	Forwarded By	Forwarded To	2008/201	UCWL	CGWA	CGWA	22/04/2016	Regional Director	Central Ground Water Board	2008/201	UCWL	CGWA	CGWA	22/05/2020	Regional Director	Central Ground Water Board	<p>16 Suitable rainwater harvesting measures on long term basis shall be planned and implemented in consultation with the Regional Director, Central Ground Water Board.</p>	<p>Suitable rainwater harvesting measures i.e. check dams, dugout ponds, recharge trenches; earthen check dams, artificial rain water harvesting structures etc. have been developed.</p>
Application No.	Applicant	Approved	Forwarded	Forwarded Date	Forwarded By	Forwarded To																	
2008/201	UCWL	CGWA	CGWA	22/04/2016	Regional Director	Central Ground Water Board																	
2008/201	UCWL	CGWA	CGWA	22/05/2020	Regional Director	Central Ground Water Board																	
<p>17 Appropriate mitigative measures shall be taken to prevent pollution of the Berach River, in consultation with the State Pollution Control Board.</p>	<p>UCWL already taken appropriate mitigative measures to prevent pollution of the Berach River in consultation with the State Pollution Control Board. Plz see the compliance point no-VI.</p>																						

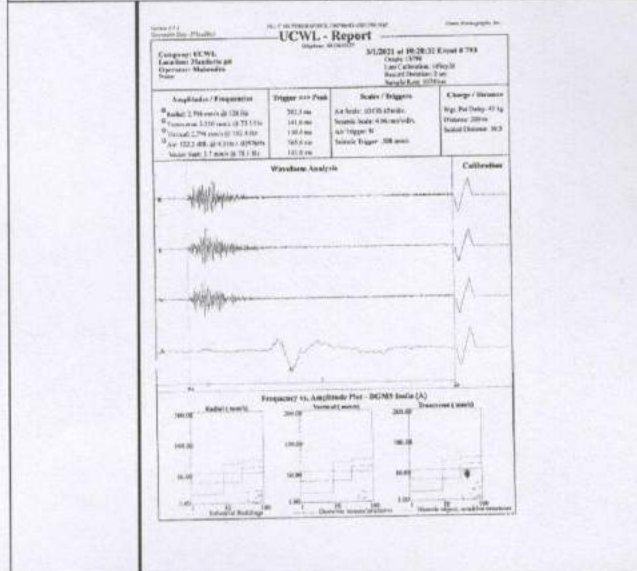
18 Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles use in mining operations and in transportation of mineral. The vehicles shall be covered with a tarpaulin and shall not be overloaded.

All the HEMM, vehicles which are involved in the mining/ transportation activity, are properly maintained & ensured to monitor pollution under control on time to time.
 A PUC test certificate is attached



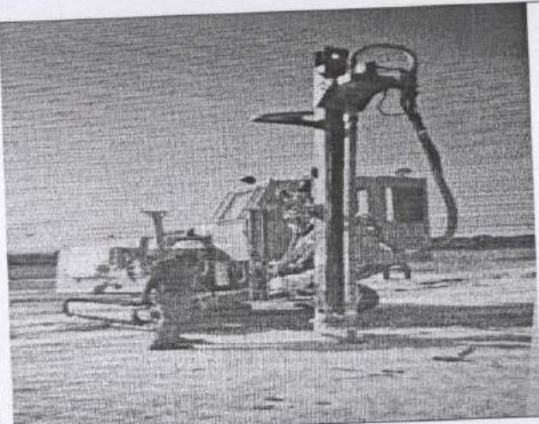
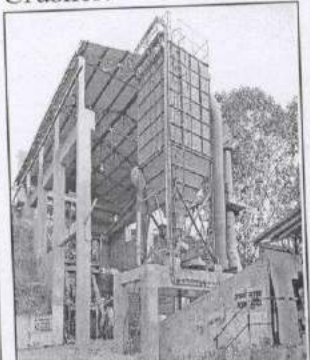

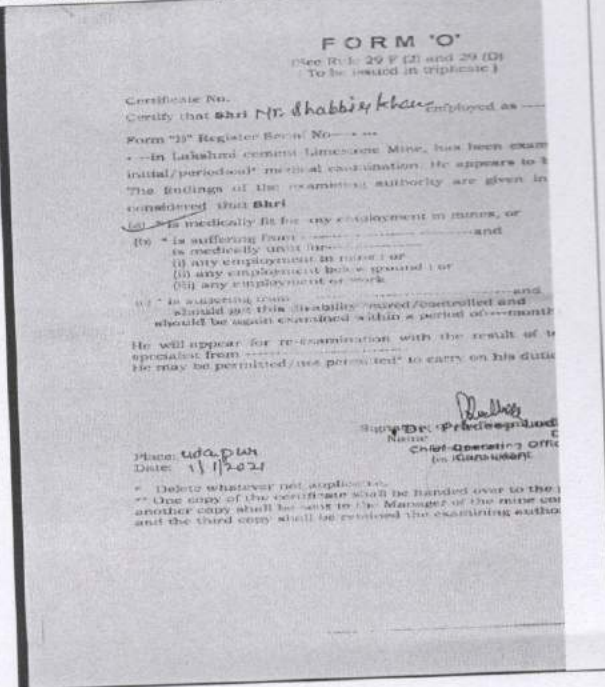
19 No blasting shall be carried out after the sunset. Blasting operation shall be carried out only during the daytime. Controlled blasting shall be practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented.


Complying with, and ensures to carry out control blasting activity only during the day time as per guideline. The vibration study in this regards always carried out to reduce others effect. A vibration study report is attached.



20 Drills shall either be operated with dust extractors or equipped with water injection system.

Complying will, wet drilling practice is being carrying out.
 A photograph is attached.


	
<p>21 Mineral handling area shall be provided with adequate number of high efficiency dust extraction system. Loading and unloading areas including all the transfer points should also have efficient dust control arrangements. These should be properly maintained and operated.</p>	<p>High efficiency dust extraction systems has already been installed in mineral handling area and material transfer points at Lime Stone Crusher.</p>  
<p>22 Consent to operate shall be obtained from the State Pollution Control Board prior to start of enhanced production from the mine.</p>	<p>UCWL has obtained Consent to Operate of Daroli Limestone Mine-1 vide RSPCB letter no.F(Mines)/Udaipur(Girwa)/5095(1)/2019-2020/1614-1618 dated 22.07.2019</p>
<p>23 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>	<p>Schedule of health examination of workers has been made & medical examination is being carried out accordingly.</p> 

24	Sewage treatment plant shall be installed for the colony. ETP shall also be provided for the workshop and the wastewater generated during the mining operation.	Residence of mining staff has been kept in colony of cement plant, where 250 KLD STP has already been installed for treatment of domestic wastewater. ETP has been installed at mines workshop.
		
25	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the Project.	No any construction activity was carried out during reporting period.
26	Digital processing of the entire lease area using remote sensing technique shall be carried out regularly once in three years for monitoring land use pattern and report submitted to the Ministry of Environment and Forests and its Regional Office, Lucknow.	Complying with, a remote sensing study / land use pattern is being carried out as per given time line & submitting accordingly.
27	A final Mine Closure Plan along with details of Corpus Fund should be submitted to the Ministry of Environment & Forests 5 years in advance of final mine closure for approval.	UCWL will submit mine closure plan accordingly.
General conditions:		
1	No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment & Forests.	Noted. UCWL ensure that change in mining technology and scope of working will not be done without prior approval of the Ministry of Environment, Forest & Climate Change.
2	No change in the calendar plan including excavation, quantum of mineral limestone and waste should be made.	Noted
3	Conservation measures for protection of flora and fauna in the core & buffer zone shall be drawn up in consultation with the local forest and wildlife department.	UCWL ensures to draw conservation measures for protection of flora and fauna in the core & buffer zone in consultation with the local forest and wildlife department. Mining is being carried out in non-forest area & the mining area is devoid of any vegetation.
4	Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for RSPM, SPM, SO ₂ & NO _x monitoring. Location of the stations should be	UCWL has established four nos. ambient air quality monitoring stations in the core zone as well as the buffer zone for monitor the Air pollutant- RSPM, SPM, SO ₂ & NO _x . The Air

Environmental Clearance Compliance Report (Oct 20 to March 21)
Daroli LS Mine-1 (02/88)

	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.		quality in this respect is attached in next compliance.				
5	Data on ambient air quality (RSPM, SPM, SO ₂ & NO _x) should be regularly submitted to the Ministry including its Regional Office located at Lucknow and the State Pollution Control Board / Central Pollution Control Board once in six months.		Noted & complying with, the Ambient Air Quality is regularly being carried out as per circular J-20012/1/2006-IA. II (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change. The Air quality monitoring results, monitored by NABL lab is attached. (Ann-5)				
	SN	Name of Pollutants	Standard as NAAQMS-2009	Near OLBC	Near Pandu Mata Temple	Near Mine office	Near Daroli Tank
	1	PM10 (Particulate Matter Size less than 10µm)	100 µg/m ³	68.6	68.53	70.95	64.45
	2	PM2.5 (Particulate Matter size less than 2.5µm)	60 µg/m ³	27.21	25.12	28.84	25.91
	3	Sulphur Dioxide (SO ₂)	80 µg/m ³	2.27	2.77	2.34	3.95
	4	Nitrogen Dioxide (NO ₂)	80 µg/m ³	10.2	11.76	11.75	10.8
	5	Ozone (O ₃)	100 µg/m ³	BDL	BDL	BDL	BDL
	6	Lead (Pb)	1.0 µg/m ³	0.10	0.07	0.13	2.39
	7	Carbon Monoxide(CO)	4000 µg/m ³	360	260	320	280
	8	Ammonia (NH ₃)	400 µg/m ³	BDL	BDL	BDL	BDL
	9	Benzene (C ₆ H ₆)	05 µg/m ³	BDL	BDL	BDL	BDL
	10	Benzo(a) Pyrene (BaP) Particulate phase only,	01 ng/m ³	BDL	BDL	BDL	BDL
	11	Arsenic (As),	6 ng/m ³	BDL	BDL	BDL	BDL
	12	Nickel (Ni),	20 ng/m ³	4.63	BDL	5.26	2.36
6	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.		UCWL is complying with all environmental protection measures and safeguards, the measure is given below- <ul style="list-style-type: none"> All the haul roads is being kept properly graded with sufficient width and regular water spraying is being/ will be done on the haul roads. Water is being spraying on, blasted material/muck pile and unloading point to avoid dust generation Bag filter installed at crusher and transfer points Water spraying arrangement has been provided with Crusher hopper. The entire belt conveyor system is fully covered and all material transfer points are fitted with bag filters. Drilling machines is equipped water injection system for wet drilling. Automatic water fogging system provided at crusher 				

Environmental Clearance Compliance Report (Oct 20 to March 21)
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		hopper.											
7	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.	All the workers are provided with suitable PPEs. It is ensured the employees make use of PPEs. Necessary training and information on safety and health aspects to all workmen is being provided in the Tool Box Talk & Vocational Training. HEMM is maintained regularly and noise levels are within the limits. Noise levels are monitored regularly and values are within limits. Noise level monitoring report is attached in Annexure-5											
8	Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 th May, 1993 and 31 st December, 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of workshop effluents .	ETP has already been installed at the auto workshop area for the treatment of wastewater generate during vehicle washing. The treated water quality meet the prescribed norms as stated. A quality report is attached in Annexure-6 .											
9	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. 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.	UCWL always ensure to provide mandatory PPEs (Helmet, shoes, hand gloves, goggles, dust mask) to all concerned & workmen also provide adequate training and information on safety & health aspects. Health checkup is conducted on regular basis as per the requirement define by the IBM.											
10	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.	UCWL has a separate Environment Management Cell under the control of senior executive to take care of monitoring and other issues related to environment.											
11	The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry and its Regional Office located at Lucknow.	UCWL has kept the funds earmarked for environmental protection measures & ensures not to divert for other purpose.	<table border="1"> <thead> <tr> <th>Heads</th> <th>Rs (in Lacs)</th> </tr> </thead> <tbody> <tr> <td>Environmental monitoring & calibration of the instrument</td> <td>10.0</td> </tr> <tr> <td>Dust suppression on haul road crusher</td> <td>3.2</td> </tr> <tr> <td>Green Belt development</td> <td>9.84</td> </tr> <tr> <td>Rain water harvesting</td> <td>0.02</td> </tr> </tbody> </table>	Heads	Rs (in Lacs)	Environmental monitoring & calibration of the instrument	10.0	Dust suppression on haul road crusher	3.2	Green Belt development	9.84	Rain water harvesting	0.02
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		Construction of garland drain/ muck management	1.0
		Total	24.06 Lacs
12	The project authorities should inform to the Regional Office located at Lucknow regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	Noted, all the project work is within the existing premises of UCWL, hence no any additional land is required.	
13	The Regional Office of this Ministry located 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, Joint Director (MoEF- Central Regional Lucknow) visited / inspected our site on 5.10.2019 and we have obtain the Certified Environmental Clearance Compliance Report from MoEF Regional Office (Central Region) Lucknow F.NO.IV/ENV /R/Mine dated-437/717/2009 dated 5.10.2019	
14	The project proponent shall submit six monthly report on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment and Forests, its Regional Office, Lucknow, Central Pollution Control Board.	Agreed with. The Half yearly compliance report is referred with this report & regularly being submitted to the concerned authority & the soft copy of the compliance report also being sent by email (iro.jaipur-mefcc@gov.in) to concerned authorities.	
15	The project proponent shall submit six monthly report on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment and Forests, its Regional Office Lucknow, Central Pollution Control Board.		
16	A copy of clearance letter will be marked to concerned Panchayat / local NGO, if any, from whom suggestion / representation has been received while processing the proposal.	Already Complied.	
17	State Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industry Centre and Collector's office; /Tehsildar's Office for 30 days.	Copy of Environmental Clearance had been submitted to Rajasthan State Pollution Board for necessary perusal.	
18	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, with in 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the Ministry of Environment and Forests at http://envfor.nic.in and a copy of the same should be forwarded to the Regional Office of this Ministry located at Lucknow.	UCWL had published information regarding - Environmental Clearance in two local newspapers Dainik Bhaskar & Rajasthan Patrika on dated January 20 th 2009.	

Regd. A.D.

UCWL/ENV&SUST /2020-21/ 2632

28th May 2021

The Dy. Director Scientist –“C”
Ministry of Environment, Forest and Climate Change,
Regional Officer , Aranya Bhawan, IInd Floor,
Jaipur 302004

Sub: Submission of six monthly compliance reports of conditions of Environmental Clearances of Daroli Limestone Mine-1 & 2 (ML. No. 02/88(new no. 186/08) & 64/79(new no. 23/01)) respectively by M/s Udaipur Cement Works Ltd. located in village- Daroli, Tehsil- Vallabh Nagar, Distt.-Udaipur(Raj.)

Ref: 1. Environmental clearance letter no. J-11015/460/2006-IA II (M), Dated 02/01/2009
2. Environmental clearance letter no. J-11015/453/2006-IA II (M), Dated 05/01/2009

Dear Sir,

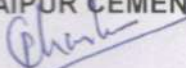
With reference to the aforesaid subject, please find enclosed herewith the **six monthly (Second half yearly) Environmental Clearance compliance reports** for the period of **October 2020 to March 2021** for our Daroli Limestone Mine-1 & Daroli Limestone Mine-2.

As per MoEF&CC Notification S.O.-585 dated 26.11.2018, we are submitting sending soft copy of the report to your good office through E-Mail-iro.jaipur-mefcc@gov.in. & m_env@rediffmail.com

Hope you find the above in line with the requirement. This is for your kind record, please.

Thanking you,

Yours faithfully,
For UDAIPUR CEMENT WORKS LTD.,


P. K. Chouhan
(General Manager – QC)

Encl: As Above

CC:

1. The Member Secretary, Rajasthan State Pollution Control Board,- 4, Paryavaran Marg, Institutional Area, Jhalana Doongari, Jaipur, Rajasthan- 312004
2. Regional Officer, RSPCB-Udaipur- F-470, Near UCCI Bhavan, Madri Industrial Area, Udaipur (Rajasthan) - 313001



Environmental Clearance Compliance Report (Oct-20 to March -21)
Daroli LS Mine-2 (M.L. No. 64/79)

Name of the Project	Daroli Limestone Mine -2 (M.L. No. M.L. No. 64/79)
EC Letter No	J-11015/453/2006-IA II (M), Dated 05/01/2009
Period of Compliance	October 2020– March 2021 (Second Half Yearly)




Specific Conditions:

S/N	CONDITIONS	COMPLIANCE
1	The project proponent shall obtain Consent to Establish from the Rajasthan State Pollution Control Board and effectively implement all the conditions stipulated therein.	M/s Udaipur Cement Works Ltd (UCWL) had obtained Consent to Establish F(Mines)/Udaipur(Vallabh Nagar/1(1)/2009-2010/1789 Dated 16/07/2009 & thereafter consent to operate (renewed) vide letter no.- F(Mines)/Udaipur(Girwa)/5095(1)/2019-2020/2611-2615 dated 31/08/2020 , the same is valid till 04/01/2024 . The Compliance of the consent condition is being submitting to State Pollution Control Board authorities as per time to time.
2	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.	At present our mining operations are only restricted to Govt. Waste lands. The progressive mine development for the proposed mine period doesn't require any agricultural land. Agriculture land shall be procured on later stages if necessary. All necessary approvals will be taken from the concerned authority at later stages. Mining operations will be performed in compliance with DGMS rules.
3	Mining shall be carried out in accordance with the provisions of various acts and rules leaving the safety distance from the National Highway 76 (NH 76) passing through the mine lease.	UCWL ensures to carry out mining with the provisions of all the applicable acts and rules.
4	The top soil, if any, shall temporarily be stores at earmarked site(s) only and it should not be kept unutilized for long. The topsoil shall be used for land reclamation and plantation.	There is no top soil. Hence, not applicable
5	The project proponent shall ensure that no natural watercourse and /or water resources shall be obstructed due to any mining operations.	UCWL has adopted best mining practice and is being regularly carrying out as per approved mining plan & strictly ensures that no natural water source obstructed during mining operations.
6	The inter burden generated during the mining operations shall be stacked at earmarked dump site(s) only and it should not be kept active for a long period of time and their phase-wise stabilization shall be carried out. There shall be three external dumps. The maximum height of the dumps shall be 18m having two terraces of 9m each, and the overall slope of the dumps shall be 27°C. The inter burden dumps shall be	Complying with as the dump sites for inter burden has been earmarked as per the condition no. 5. Also provisions for stacking of inter burden within the lease area have been clearly marked in the approved Mining Plan. The conditions have been taken into consideration in the progressive mine closure plan (A part of mining plan thoroughly

Environmental Clearance Compliance Report (Oct-20 to March -21)
Daroli LS Mine-2 (M.L. No. 64/79)

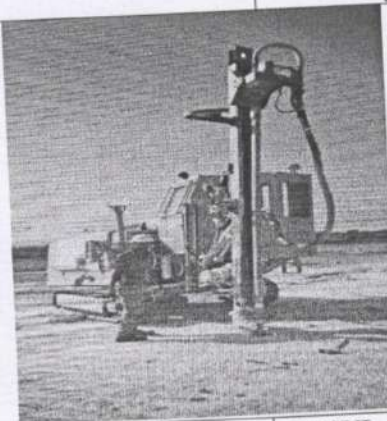
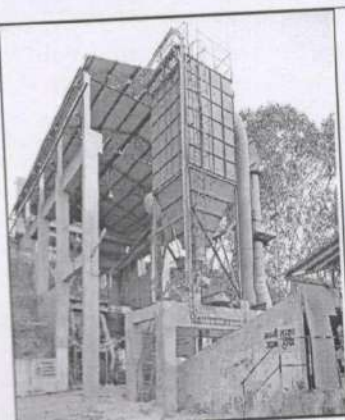
	<p>scientifically vegetated with suitable native species to prevent erosion and surface run off. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment & Forests and its Regional Office located at Lucknow on six monthly basis.</p>	<p>screened & approved by IBM). The inter burden dumps is properly scientifically vegetated with suitable native species to prevent erosion and surface run off. Monitoring and management of rehabilitated areas are continuing until the vegetation becomes self-sustaining. The Compliance status report is being regularly submitting to the Ministry of Environment & Forests and its Regional Office located at Jaipur on prescribed interval as (six monthly basis).</p>
7	<p>Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, mineral and inter burden dump(s) to prevent run off of water and flow of sediments directly into the Berach River, the Daroli tank, the seasonal streams passing through the lease area and other water bodies. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains shall be regularly desilted particularly after the monsoon and maintained properly.</p> <p>Garland drains, settling tanks and check dams of appropriate size, gradient and length shall be constructed both around the mine pit and the inter burden dumps to prevent run off of water and flow of sediments directly into the Berach River, the Daroli tank, the seasonal streams passing through the lease area and other water bodies and sump capacity should be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of the silt material. Sedimentation pits shall be constructed at the corners of the garland drains and desilted at regular intervals.</p>	<p>UCWL has already been constructed catch drains and siltation ponds around the mine working area and inter burden dumps to prevent run off of rain water and flow of sediments directly into the Berach River, daroli tank & the seasonal streams, which are passing through the lease area. Infected the collected water is being utilized for watering in the mine area like (road spraying, green belt development) etc. The constructed drains are periodically desilted particularly after the monsoon and maintained.</p> <p>Garland drains, settling tanks & check dams have been constructed around the mine pit and the inter burden dumps to prevent run off of rain water and flow of sediments directly into the Berach River, daroli tank & the seasonal streams. Sedimentation pits have been constructed at the corners of the garland drains and desilted periodically.</p> <p>Adequate dimension sump has been provided for settling of the silt material.</p>
8	<p>The void left unfilled in an area of 118 ha shall be converted into the water body.</p> <p>The higher benches of excavated void/mining pit shall be terraced and plantation done to stabilize the slopes. The slopes of higher benches shall be made gentler for easy accessibility by local people to use the water body. Peripheral fencing shall be carried out along the excavated area.</p>	<p>UCWL ensures to convert mentioned area into the water body after completion of mining activity as per the Final Mine Closure Plan (FMCP). Also ensuring that the higher benches of excavated void/mining pit will be terraced and development of green belt accordingly as per the slope stabilize. This slopes (higher benches) made gentler for easy accessibility by local people. Proper fencing is provided around the excavated area.</p>
9	<p>Dimension of the retaining wall at the toe of the inter burden dump(s) and the inter burden benches</p>	<p>Complying with, the required dimensions of the retaining wall at the toe of dumps , inter</p>

Environmental Clearance Compliance Report (Oct-20 to March -21)
Daroli LS Mine-2 (M.L. No. 64/79)

	within the mine to check run-off and siltation should be based on the rainfall data.	burden benches within the mine to check run-off and siltation have been kept based on the rainfall data.
10	Regular monitoring of the Daroli tank shall be carried out and records maintained.	The water quality of the Daroli tank is being monitored by NABL approved Lab and records are maintained. A quality report is attached in Annexure-2
11	Plantation shall be raised in an area of 62 ha including a 7.5m wide green belt in the safety zone around the mining lease, inter burden dumps, mine benches and around the water body, around Daroli tank, roads etc. by planting the native species in consultation with the local DFO/Agriculture Department. The density of the trees should be around 1500 plants per ha.	UCWL will develop green belt in an area of 62 ha and the density of the trees maintained at inter burden, dumps site & daroli tank, roads etc. as per consultation with DFO & recommending species are planting like nerium oleander, Dalbergia sissoo. The below progressive photographs is showing activity.
		
	Mine office Approach road	Plantation along of haul road
		
	Main gate	
12	Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of SPM and RSPM such as haul road, loading and unloading point and transfer points. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.	UCWL has provided all environmental protection measures and safeguards, to main better Air Quality, The mine air quality data is mentioned in the general condition no-5. The provided environmental measure are given below- <ul style="list-style-type: none"> • All the haul roads is being kept properly graded with sufficient width and regular water spraying is being/ will be done on the haul roads. • Water is being spraying on, blasted material/muck pile and unloading point

Environmental Clearance Compliance Report (Oct-20 to March -21)
Daroli LS Mine-2 (M.L. No. 64/79)

- to avoid dust generation
- Bag filter installed at crusher and transfer points
- Water spraying arrangement has been provided with Crusher hopper.
- The entire belt conveyor system is fully covered
- Drilling machines is equipped water injection system for wet drilling.



13 The project proponent shall take adequate environmental safeguard measures to protect the Berach River flowing adjacent to the mine lease and regularly monitor the water quality upstream and downstream of the River and record of monitoring data should be maintained and submitted to the Ministry of Environment and Forests, its Regional Office, Lucknow, the Central Groundwater Authority, the Regional Director, Central Ground Water Board, the State Pollution Control Board and the Central Pollution Control Board.

UCWL already taken adequate environmental safeguard measures to protect the Berach River flowing adjacent to the mine lease.(See the compliance no.-6).
The water quality monitoring of Berach river is carrying out by NABL approved lab regular basis and records of the same are maintained. A quality report is attached in Annexure- below & submitting by this compliance report to all concerned govt. authorities.


14 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.

Suitable conservation measures i.e. Loose stone check dams, dugout ponds, recharge trenches, earthen check dams etc. have been developed to augment ground water resources.

15 Regular monitoring of ground water level and quality shall be carried out in and around the mine lease by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring shall be carried out four times in a year, pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January) and the data thus collected 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.

Monitoring of ground water in respect to level and quality is being done as per the prescribed schedule and reports are being submitting to all concerned govt. authorities..
The water quality of Mine pit , Daroli tank & water level report is attached in Annexure- which is monitored by NABL Approved labs.

Environmental Clearance Compliance Report (Oct-20 to March -21)
Daroli LS Mine-2 (M.L. No. 64/79)

16	The project proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of ground water for the project.	<p>UCWL has obtained NOC for ground water withdrawal vide letter no. 21-4(211)/WR/CGWA/2007-626 dated 22.04.2016 & further Renewal Application is already submitted to CGWB/A vide application number UCWL/ENV&SUST/CGWA/1308.</p> <p>In this connection a recommendation has been forwarded by CGWB to CGWA Delhi on dated 22/5/2020 for final approval.</p> 
17	Suitable rainwater harvesting measures on long term basis shall be planned and implemented in consultation with the Regional Director, Central Ground Water Board.	Suitable rainwater harvesting measures i.e. check dams, dugout ponds, recharge trenches; earthen check dams, artificial rain water harvesting structures etc. have been developed.
18	Appropriate mitigative measures shall be taken to prevent pollution of the Berach River, in consultation with the State Pollution Control Board.	UCWL already taken appropriate mitigative measures to prevent pollution of the Berach River in consultation with the State Pollution Control Board. Plz see the compliance point no-VI.
19	Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles use in mining operations and in transportation of mineral. The vehicles shall be covered with a tarpaulin and shall not be overloaded.	All the HEMM, vehicles which are involved in the mining/ transportation activity, are properly maintained & ensured to monitor pollution under control on time to time. A PUC test certificate is attached

Environmental Clearance Compliance Report (Oct-20 to March -21)
Daroli LS Mine-2 (M.L. No. 64/79)

प्रदूषण नियंत्रण प्रमाण पत्र
POLLUTION UNDER CONTROL CERTIFICATE
(Approved by Department of Transport, Government of Rajasthan)
परिष्कारित वाहन संचालन विभाग राजस्थान सरकार

10090657,
VALID IN ALL INDIA
PHOTO OF VEHICLE

RJ24 6A1351

Plate No.	1017R10-08888
Vehicle No.	1017R10-08888
Customer Name	INDIAN OIL
Customer Address	INDIAN OIL
Year of Reg.	04-09-2009
Type of Vehicle	OTHERS
Make	Indian Oil
Model	115L
Reg. Date	04-09-2009
Time	04-12-2009
City	Jaipur
Police Station	Jaipur
Police Station Code	1017R10-08888
Police Station Name	Jaipur
Police Station Address	Jaipur
Police Station No.	1017R10-08888
Police Station Name	Jaipur

Flushing Cycle			
Avg	EPM Min	EPM Max	Temp
722	2335	0	0

No.	EPM Min	EPM Max	Min	SECA	Temp
1	718	2262	0.798	28.0	500.0
2	718	2339	0.800	28.1	500.0
3	718	2319	0.707	28.2	500.0
Mean			0.768	28.1	

Parameter	Unit	Value	Limit
Free Acceleration BS II & III	g	2.48	65
Free Acceleration BS IV	g	1.63	50
Free Acceleration BS VI & VII	g	0.7 / 1.8	24 / 48

Get Certificate renewed within the expiry date.

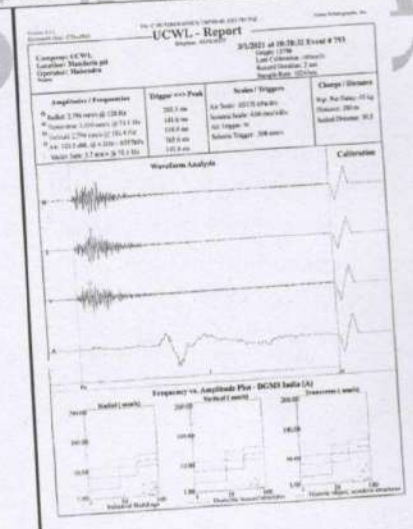
Seal of Testing Station: D47R19
Testing Station Code: D47R19
Authorized Signatory: [Signature]

Report Dept. Govt. of Rajasthan: Transport Dept. Govt. of Rajasthan

Plate No.: RJ246A1351
PUC No.: D47R19106484
Valid up to: 12-02-2021
Scan QR Code to Validate

20 No blasting shall be carried out after the sunset. Blasting operation shall be carried out only during the daytime. Controlled blasting shall be practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented.

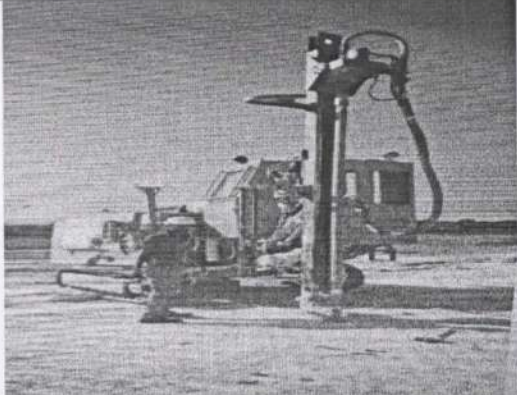
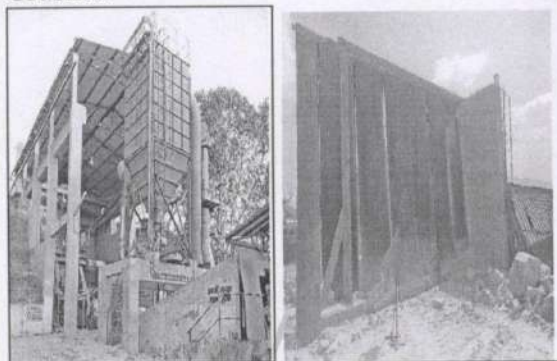
Complying with, and ensures to carry out control blasting activity only during the day time as per guideline. The vibration study in this regards always carried out to reduce others effect. A vibration study report is attached.



21 Drills shall either be operated with dust extractors or equipped with water injection system.

Complying will, wet drilling practice is ing carrying out . A photograph is attached.

Environmental Clearance Compliance Report (Oct-20 to March -21)
 Daroli LS Mine-2 (M.L. No. 64/79)

		
22	<p>Mineral handling area shall be provided with adequate number of high efficiency dust extraction system. Loading and unloading areas including all the transfer points should also have efficient dust control arrangements. These should be properly maintained and operated.</p>	<p>High efficiency dust extraction systems has already been installed in mineral handling area and material transfer points at Lime Stone Crusher.</p> 
23	<p>Consent to operate shall be obtained from the State Pollution Control Board prior to start of enhanced production from the mine.</p>	<p>UCWL has obtained Consent to Operate of Daroli Limestone Mine-1 vide RSPCB letter no. F(Mines)/Udaipur(Girwa)/5095(1)/2019-2020/2611-2615 dated 31/08/2020</p>
24	<p>The project authorities should undertake sample survey to generate data on pre-project community health within a radius of 1 km from proposed mine.</p>	<p>Noted</p>
25	<p>Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained.</p>	<p>Schedule of health examination of workers has been made & medical examination is being carried out accordingly.</p>

Environmental Clearance Compliance Report (Oct-20 to March -21)
Daroli LS Mine-2 (M.L. No. 64/79)

<p>For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.</p>	
<p>26 Sewage treatment plant shall be installed for the colony. ETP shall also be provided for the workshop and the wastewater generated during the mining operation</p>	<p>Residence of mining staff has been kept in colony of cement plant, where 250 KLD STP has already been installed for treatment of domestic wastewater. ETP has been installed at mines workshop.</p>
<p>27 Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the Project.</p>	<p>No any construction activity was carried out during reporting period.</p>
<p>28 Digital processing of the entire lease area using remote sensing technique shall be carried out regularly once in three years for monitoring land use pattern and report submitted to the Ministry of Environment and Forests and its Regional Office, Lucknow.</p>	<p>Complying with, a remote sensing study / land use pattern is being carried out as per given time line & submitting accordingly.</p>
<p>29 A final Mine Closure Plan along with details of Corpus Fund should be submitted to the Ministry of Environment & Forests 5 years in advance of final mine closure for approval.</p>	<p>UCWL will submit mine closure plan accordingly.</p>
<p>General conditions:</p>	
<p>1 No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment & Forests.</p>	<p>Noted. UCWL ensure that change in mining technology and scope of working will not be done without prior approval of the Ministry of Environment, Forest & Climate Change.</p>
<p>2 No change in the calendar plan including excavation, quantum of mineral limestone and waste should be made.</p>	<p>Noted</p>

Environmental Clearance Compliance Report (Oct-20 to March -21)
Daroli LS Mine-2 (M.L. No. 64/79)

3	Conservation measures for protection of flora and fauna in the core & buffer zone shall be drawn up in consultation with the local forest and wildlife department.	UCWL ensures to draw conservation measures for protection of flora and fauna in the core & buffer zone in consultation with the local forest and wildlife department. Mining is being carried out in non-forest area & the mining area is devoid of any vegetation.																																																																																											
4	Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for RSPM, SPM, SO ₂ & NO _x 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.	UCWL has established Ambient Air quality monitoring stations in the core zone as well as the buffer zone for monitor the Air pollutant-RSPM, SPM, SO ₂ & NO _x . The Air quality in this respect is attached in next compliance.																																																																																											
5	Data on ambient air quality (RSPM, SPM, SO ₂ & NO _x) should be regularly submitted to the Ministry including its Regional Office located at Lucknow and the State Pollution Control Board / Central Pollution Control Board once in six months.	Noted & complying with, the Ambient Air Quality is regularly being carried out as per circular J-20012/1/2006-IA. II (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change. The Air quality monitoring results, monitored by NABL lab is attached. Report period-July-20																																																																																											
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">SN</th> <th style="width: 30%;">Name of Pollutants</th> <th style="width: 15%;">Standard as NAAQMS-2009</th> <th style="width: 10%;">Near Rope way Unloading Point</th> <th style="width: 10%;">Near Pandu Mata Temple</th> <th style="width: 10%;">Near Mine office</th> <th style="width: 10%;">Near Daroli Tank</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>PM10 (Particulate Matter Size less than 10µm)</td> <td>100 µg/m³</td> <td>68.6</td> <td>68.53</td> <td>70.95</td> <td>64.45</td> </tr> <tr> <td>2</td> <td>PM2.5 (Particulate Matter size less than 2.5µm)</td> <td>60 µg/m³</td> <td>27.21</td> <td>25.12</td> <td>28.84</td> <td>25.91</td> </tr> <tr> <td>3</td> <td>Sulphur Dioxide (SO₂)</td> <td>80 µg/m³</td> <td>2.27</td> <td>2.77</td> <td>2.34</td> <td>3.95</td> </tr> <tr> <td>4</td> <td>Nitrogen Dioxide (NO₂)</td> <td>80 µg/m³</td> <td>10.2</td> <td>11.76</td> <td>11.75</td> <td>10.8</td> </tr> <tr> <td>5</td> <td>Ozone (O₃)</td> <td>100 µg/m³</td> <td>BDL</td> <td>BDL</td> <td>BDL</td> <td>BDL</td> </tr> <tr> <td>6</td> <td>Lead (Pb)</td> <td>1.0 µg/m³</td> <td>0.10</td> <td>0.07</td> <td>0.13</td> <td>2.39</td> </tr> <tr> <td>7</td> <td>Carbon Monoxide(CO)</td> <td>4000 µg/m³</td> <td>360</td> <td>260</td> <td>320</td> <td>280</td> </tr> <tr> <td>8</td> <td>Ammonia (NH₃)</td> <td>400 µg/m³</td> <td>BDL</td> <td>BDL</td> <td>BDL</td> <td>BDL</td> </tr> <tr> <td>9</td> <td>Benzene (C₆H₆)</td> <td>05 µg/m³</td> <td>BDL</td> <td>BDL</td> <td>BDL</td> <td>BDL</td> </tr> <tr> <td>10</td> <td>Benzo(a) Pyrene (BaP) Particulate phase only,</td> <td>01 ng/m³</td> <td>BDL</td> <td>BDL</td> <td>BDL</td> <td>BDL</td> </tr> <tr> <td>11</td> <td>Arsenic (As),</td> <td>6 ng/m³</td> <td>BDL</td> <td>BDL</td> <td>BDL</td> <td>BDL</td> </tr> <tr> <td>12</td> <td>Nickel (Ni),</td> <td>20 ng/m³</td> <td>4.63</td> <td>BDL</td> <td>5.26</td> <td>2.36</td> </tr> </tbody> </table>	SN	Name of Pollutants	Standard as NAAQMS-2009	Near Rope way Unloading Point	Near Pandu Mata Temple	Near Mine office	Near Daroli Tank	1	PM10 (Particulate Matter Size less than 10µm)	100 µg/m ³	68.6	68.53	70.95	64.45	2	PM2.5 (Particulate Matter size less than 2.5µm)	60 µg/m ³	27.21	25.12	28.84	25.91	3	Sulphur Dioxide (SO ₂)	80 µg/m ³	2.27	2.77	2.34	3.95	4	Nitrogen Dioxide (NO ₂)	80 µg/m ³	10.2	11.76	11.75	10.8	5	Ozone (O ₃)	100 µg/m ³	BDL	BDL	BDL	BDL	6	Lead (Pb)	1.0 µg/m ³	0.10	0.07	0.13	2.39	7	Carbon Monoxide(CO)	4000 µg/m ³	360	260	320	280	8	Ammonia (NH ₃)	400 µg/m ³	BDL	BDL	BDL	BDL	9	Benzene (C ₆ H ₆)	05 µg/m ³	BDL	BDL	BDL	BDL	10	Benzo(a) Pyrene (BaP) Particulate phase only,	01 ng/m ³	BDL	BDL	BDL	BDL	11	Arsenic (As),	6 ng/m ³	BDL	BDL	BDL	BDL	12	Nickel (Ni),	20 ng/m ³	4.63	BDL	5.26	2.36	
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2	PM2.5 (Particulate Matter size less than 2.5µm)	60 µg/m ³	27.21	25.12	28.84	25.91																																																																																							
3	Sulphur Dioxide (SO ₂)	80 µg/m ³	2.27	2.77	2.34	3.95																																																																																							
4	Nitrogen Dioxide (NO ₂)	80 µg/m ³	10.2	11.76	11.75	10.8																																																																																							
5	Ozone (O ₃)	100 µg/m ³	BDL	BDL	BDL	BDL																																																																																							
6	Lead (Pb)	1.0 µg/m ³	0.10	0.07	0.13	2.39																																																																																							
7	Carbon Monoxide(CO)	4000 µg/m ³	360	260	320	280																																																																																							
8	Ammonia (NH ₃)	400 µg/m ³	BDL	BDL	BDL	BDL																																																																																							
9	Benzene (C ₆ H ₆)	05 µg/m ³	BDL	BDL	BDL	BDL																																																																																							
10	Benzo(a) Pyrene (BaP) Particulate phase only,	01 ng/m ³	BDL	BDL	BDL	BDL																																																																																							
11	Arsenic (As),	6 ng/m ³	BDL	BDL	BDL	BDL																																																																																							
12	Nickel (Ni),	20 ng/m ³	4.63	BDL	5.26	2.36																																																																																							
6	Fugitive dust emissions from all the sources should be controlled regularly. Water spraying	UCWL is complying with all environmental protection measures and safeguards, the measure is given below- <ul style="list-style-type: none"> • All the haul roads is being kept properly graded with 																																																																																											

Environmental Clearance Compliance Report (Oct-20 to March -21)
Daroli LS Mine-2 (M.L. No. 64/79)

	<p>arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.</p>	<p>sufficient width and regular water spraying is being/ will be done on the haul roads.</p> <ul style="list-style-type: none"> • Water is being spraying on, blasted material/muck pile and unloading point to avoid dust generation • Bag filter installed at crusher and transfer points • Water spraying arrangement has been provided with Crusher hopper. • The entire belt conveyor system is fully covered and all material transfer points are fitted with bag filters. • Drilling machines is equipped water injection system for wet drilling. • Automatic water fogging system provided at crusher hopper.
7	<p>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>	<p>All the workers are provided with suitable PPEs. It is ensured the employees make use of PPEs. Necessary training and information on safety and health aspects to all workmen is being provided in the Tool Box Talk & Vocational Training. HEMM is maintained regularly and noise levels are within the limits.</p> <p>Noise levels are monitored regularly and values are within limits. Noise level monitoring report is attached in <u>Annexure-</u></p>
8	<p>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>	<p>ETP has already been installed at the auto workshop area for the treatment of wastewater generate during vehicle washing. The treated water quality meet the prescribed norms as stated.</p> <p>A quality report is attached in <u>Annexure-</u> which was monitored during November -2020.</p> <div style="border: 1px solid black; width: 100px; height: 100px; margin: 10px auto; text-align: center;"> <input checked="" type="checkbox"/> </div>
9	<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. 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>UCWL always ensure to provide mandatory PPEs (Helmet, shoes, hand gloves, goggles, dust mask) to all concerned & workmen also provide adequate training and information on safety & health aspects. Health checkup is conducted on regular basis as per the requirement define by the IBM. *</p>
10	<p>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.</p>	<p>UCWL has a separate Environment Management Cell under the control of senior executive to take care of monitoring and other issues related to environment.</p>
11	<p>The funds earmarked for environmental protection</p>	<p>UCWL has kept the funds earmarked for</p>

Environmental Clearance Compliance Report (Oct-20 to March -21)
Daroli LS Mine-2 (M.L. No. 64/79)

	measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry and its Regional Office located at Lucknow.	environmental protection measures & ensures not to divert for other purpose..	
		Heads	Rs (in Lacs)
		Environmental monitoring & calibration of the instrument	1.5
		Dust suppression on haul road crusher	1.0
		Green Belt development	1.0
		Rain water harvesting	0.2
		Construction of garland drain/ muck management	1.0
	Total	4.7 Lacs	
12	The project authorities should inform to the Regional Office located at Lucknow regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	Noted, all the project work is within the existing premises of UCWL, hence no any additional land is required.	
13	The Regional Office of this Ministry located 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, Joint Director (MoEF- Central Regional Lucknow) visited / inspected our site on 5.10.2019 and we have obtain the Certified Environmental Clearance Compliance Report from MoEF Regional Office (Central Region) Lucknow F.NO.IV/ENV /R/Mine dated-437/717/2009 dated 5.10.2019	
14	The project proponent shall submit six monthly report on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment and Forests, its Regional Office, Lucknow, Central Pollution Control Board.	Agreed with. The Half yearly compliance report is referred with this report & regularly being submitted to the concerned authority & the soft copy of the compliance report also being sent by email (iro.jaipur-mefcc@gov.in) to concerned authorities.	
15	The project proponent shall submit six monthly report on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment and Forests, its Regional Office Lucknow, Central Pollution Control Board.		
16	A copy of clearance letter will be marked to concerned Panchayat / local NGO, if any, from whom suggestion / representation has been received while processing the proposal.	Already Complied.	
17	State Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industry Centre and Collector's office; /Tehsildar's Office for 30 days.	Copy of Environmental Clearance had been submitted to Rajasthan State Pollution Board for necessary perusal.	
18	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, with in 7 days of the issue of	UCWL had published information regarding - Environmental Clearance in two local newspapers Dainik Bhaskar & Rajasthan Patrika on dated January 20 th 2009.	

Environmental Clearance Compliance Report (Oct-20 to March -21)
Daroli LS Mine-2 (M.L. No. 64/79)

<p>the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the Ministry of Environment and Forests at http://envfor.nic.in and a copy of the same should be forwarded to the Regional Office of this Ministry located at Lucknow.</p>	
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EC Daroli LS Mine-2