

**Status of Compliance to Conditions Stipulated in  
Environmental Clearance  
granted by MoEFCC  
Vide order no. no. J-11015/450/2012-IA.II(M),  
dated 17.08.2015  
for expansion to 0.06 MTPA  
of  
Kuteshwar Limestone Mines  
(Left Bank Lease)**

**(Period: Upto Mar'2017)**



**STEEL AUTHORITY OF INDIA LIMITED**  
RAW MATERIALS DIVISION  
KUTESHWAR LIMESTONE MINES  
P.O. – BARHI, PIN :483770  
DIST. : KATNI  
MADHYA PRADESH



**Six Monthly EC compliance report for the period up to March17**  
**Kuteshwar Limestone Mines- Left Bank Lease**

**Status of Compliance to Conditions Stipulated in Environmental Clearance**  
**(Vide order no. J-11015/450/2012-IA.II(M), dated 17.08.2015) of**  
**Kuteshwar Limestone Mines (Left Bank Lease), RMD, SAIL**  
(Period: upto MAR, 2017)

**A. Specific Conditions**

<b>Cond. No.</b>	<b>Condition Stipulated</b>	<b>Compliance Status as on March,2017</b>
(i)	Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court of Madhya Pradesh and any other Court of Law, if any, as may be applicable to this project.	Noted and agreed.
(ii)	Environmental clearance is subject to obtaining clearance, if any, under the Wildlife (Protection) Act, 1972 from the Competent Authority as applicable to this project.	No notified National Park / Wildlife Sanctuary / Biosphere Reserve / Tiger Reserve are located within 10 kms from the Mining Lease boundary. Hence the it is not applicable to this mining project.
(iii)	No mining activities will be allowed in forest area, if any, for which the Forest Clearance is not available.	No forest area involved in the project.
(iv)	The Project Proponent shall obtain Consent to Operate from the State Pollution Control Board, Madhya Pradesh and effectively implement all the conditions stipulated therein.	The Consent to Establish for the project has been granted by MPPCB by vide CTE-45583 dated 10/04/16. Subsequently, Consent to Operate has been granted vide AW-46058 on 10/09/16 with validity upto 31.07.2017. The conditions stipulated in CTO are being implemented.
(v)	Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical checkup once in six months and necessary medical care/preventive measures undertaken accordingly. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers should also be adopted.	One Doctor has been identified and trained for occupational health specialist. Regular & periodical health check-ups are being done covering all the workers.  USG machine, ECG machine, Dental Chair, Pathology, Audiometer & Spirometer are available at OHC.  Necessary medical care and preventive measured are being taken.  Recommendations of National Institute of Labour for ensuring good occupational environment for mines workers are adopted.

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Cond. No.	Condition Stipulated	Compliance Status as on March,2017
(vi)	Implementation of Action Plan on the issues raised during the Public Hearing shall be ensured. The PP shall complete all the tasks as per the Action Plan submitted with budgetary provisions during the Public Hearing.	Action plan with time frame and budgetary provision has been prepared to address the issues raised during the Public Hearing. The same is being implemented.
(vii)	The mining operations shall be restricted to above ground water table and it should not intersect ground water table. In case of working below ground water table, prior approval of the Ministry of Environment, Forest and Climate Change and Central Ground Water Authority shall be obtained, for which a detailed hydro-geological study shall be carried out; the Report on six monthly basis on changes in Ground water level and quality shall be submitted to the Regional Office of the Ministry.	The mining is proposed above 335 m RL, which is above ground water table.
(viii)	The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUCC only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorised pollution testing centres.	Water sprinkling on haul roads is being done by deploying 1 no. of mobile water sprinklers. Pollution checks of all transportation vehicles being done regularly. Vehicles with PUC, no overloading are being ensured.
(ix)	There shall be planning, developing and implementing facility of rainwater harvesting measures on long term basis and implementation of conservation measures to augment ground water resources in the area in consultation with Central Ground Water Board.	Rainwater Harvesting Plan along with Right Bank Lease has been prepared in consultation with CGWB, Bhopal with rainwater harvesting of about 45,000 KL/annum involving Roof water harvesting, Rain water Harvesting from Run off water from Roads & Paved areas & Rain water harvesting from Green Belt & Open area.
(x)	Use of effective sprinkler system to suppress fugitive dust on haul roads and other roads shall be ensured; and Washing of all transport vehicles should be done in mining lease.	01 nos. Water Sprinklers – one 12 KL is already operating.

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Cond. No.	Condition Stipulated	Compliance Status as on March,2017
(xi)	Project Proponent shall ensure that there should not be cross traffic from Left Bank Lease to Right Bank Lease and vice versa.	There is no question of cross- traffic for Left bank to Right Bank as per approved mining plan for Left bank lease, as the material will be manually sized in the pit & transported to Railway Siding at Khanna Banjari.
(xii)	The Proponent shall implement the Wildlife Conservation Plan, along with the funds so allocated with consultation of Chief Wild Life Warden of the State Govt. A copy of action plan shall be submitted to the Ministry of Environment, Forest and Climate Change and its Regional Office, Bhopal and he Chief Wild Life Warden of the State Govt. The Project Proponent shall also take all precautionary measures during mining operation for conservation and protection of endangered flora/fauna, if any, spotted in the study area	No forest land involved in the leasehold area.
(xiii)	Advanced technologies for environmental protection shall be used for controlled blasting specially in the areas in the vicinity of the villages/habitation. Blasting operation shall be carried out only during the daytime. Controlled blasting shall be practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented. Drills shall either be operated with dust extractors or equipped with water injection system. Secondary blasting for reducing the boulder size will be avoided by using rock breakers. All measures to be adopted to control fugitive dust emission during mining operation and to ensure no impact on nearby habitats. Green Belt (1.5 m width) and plantation will be developed towards habitation, water bodies and all along pit boundary.	To control the blasting vibrations, NONEL is being used at the mines. The ground vibration level (PPV) is well within the norms. Rock Breakers will be used to avoid secondary blasting.
(xiv)	Project Proponent shall carry out vibration studies well before approaching any such habitats or other buildings, to evaluate the	Ground Vibration study has been done. PPV is well within norm.

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Cond. No.	Condition Stipulated	Compliance Status as on March,2017
	zone of influence and impact of blasting on the neighbourhood. Within 500 meters of such sites vulnerable to blasting vibrations, avoidance of use of explosives and adoption of alternative measures of mineral extraction, such as ripper/dozer combination/ rock breakers/ surface miners etc. should be seriously considered and practiced wherever practicable. A provision for monitoring of each blast should be made so that the impact of blasting on nearby habitation and dwelling units could be ascertained.	Seismograph under procurement for monitoring of each blast.
(xv)	Mining shall be carried out as per the provisions outlined in mining plan approved by Indian Bureau of Mines (IBM) as well as by abiding to the guidelines of Directorate General of Mines Safety (DGMS)	Mining is being done as per the IBM approved Mining Plan / Scheme of Mining. DGMS guidelines are being complied with. Same shall be continued.
(xvi)	Main haulage road in the mine should be provided with permanent water sprinklers and other roads should be regularly wetted with water tankers fitted with sprinklers. Crusher and material transfer points should invariably be provided with Bag filters and or dry fogging system. Belt-conveyors should be fully covered to avoid air borne dust.	To control haul road emissions, 1 nos. Water Sprinklers have already been deployed. There will be no crushing plant in the Left Bank Lease.
(xvii)	The Project Proponent shall ensure that the productivity of agricultural crops is not affected due to mining operations. Crop Liability Insurance Policy has to be taken by the Project Proponent as a precaution to compensate for any crop loss. The impact zone shall be 5 Km from the boundary of mine lease area for such insurance policy.	Most of the area upto 5 km from the mines is under the submergence of Bansagar Reservoir. Further, Greenbelt is being developed at Right Bank Lease of Kuteshwar Limestone Mines to arrest the dust from the mines and ensured no adverse affect on agriculture fields. Further, crop liability insurance policy shall be explored.
(xviii)	The illumination and sound at night at project site, disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining	The mine will be operated only during day time. Hence no illumination and noise from the mine are expected during nights. Noise levels is being maintained within the limits at

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	operations. Habitations have a right for darkness and minimal noise levels at night. Project Proponent must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day light/ night hours.	day time.
(xix)	Main haul road in the mine should be provided with permanent water sprinklers and other roads should be regularly wetted with water tankers fitted with sprinklers.	Water sprinkling through water tankers is being done to control the haul road dust.
(xx)	CSR activities by Companies including the Mining Establishments has become mandatory upto 2% of their financial Turn-over, Socio Economic Development of the neighbourhood Habitats could be planned and executed by the Project Proponent more systematically based on the 'Need based door to door survey' by established Social Institutes/ Workers. The report shall be submitted to the Ministry of Environment, Forest and Climate Change and its Regional Office located at Bhopal on six monthly basis.	Various social welfare activities are being taken by the SAIL, Kuteshwar Limestone Mine and has played major role in the up- liftment of the region. An amount of Rs 78.94 lakh was spent on CSR activities during the year 2016-17. The details are placed at Annexure - I  The details are being submitted to MoEFCC and MPPCB on six monthly basis.
(xxi)	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, creche etc. The housing may be in the form of temporary structures to be removed after completion of the project.	Most of the construction labour are hired from the local villagers and only few are being hired from outside, for which housing facilities along with necessary infrastructure are being provided at the existing colony of the mines.
(xxii)	A Final Mine Closure Plan along with details of Corpus Fund shall be submitted to the Ministry of Environment, Forest & Climate Change 5 years in advance of final mine closure for approval.	Noted. A Final Mine Closure Plan along with details of corpus fund will be submitted to MoEF&CC, New Delhi 5 years in advance of final mine closure for approval.



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**B. General Conditions**

<b>Cond. No.</b>	<b>Condition Stipulated</b>	<b>Compliance Status as on March,2017</b>
(i)	No change in mining methodology and scope of working should be made without prior approval of the Ministry of Environment, Forest & Climate Change	Mining is being done as per the approved Mining Plan/ Scheme of Mining. No change in mining technology and scope of work has been made.  No mining done during 2016-17 due to water level of Bansagar reservoir above 335m and damage of Maihar bridge connecting Left Bank Lease to Railway siding.
(ii)	No change in calendar plan including excavation, quantum of limestone and waste should be made.	ROM production from Left Bank Lease shall be maintained below the approved limit of 0.06 MTPA.  Production during 2016-17 : Nil
(iii)	The Project Proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of surface water and ground water for the project.	The mine will be operated above the 335 m RL and hence no mine pit water pumping is envisaged.  Only drinking water shall be supplied from Borewells at Township, for which Central Ground Water Authority accorded NOC vide No. 21-4 (167)/NCR/CGWA/2014-689, dated 30.04.2015.
(iv)	Regular monitoring of ground water table to be carried out at the upstream and depth of water available in the dug well is to be measured. Monitoring to be done by establishing network of existing wells and constructing new piezometers.	Ground water table levels at the selected wells is being monitored at regular intervals i.e. 4 times in a year. Proposal is under preparation for installing piezometers by establishing network with the existing dug wells.
(v)	Monitoring of Ambient Air Quality to be carried out based on the 2009 Notification, as amended from time to time by Central Pollution Control Board. Water sprinkling should be increased at places loading and unloading points & transfer points to reduce fugitive emissions.	Four ambient air quality monitoring stations have been established based on the topography and meteorological conditions of the area. Regular ambient air quality monitoring of key parameters to mining industries as per the guidelines of MoEF & CC and CPCB is being done.
(vi)	The upliftment of scheduled caste/ scheduled	SAIL, Kuteshawar Limestone Mines has taken

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	tribe population, specific programmes have to be taken in to consideration specially with respect to education, health care, livelihood generation, infrastructure development & promotion of sports & culture for SC/ST population and that these will be intensified in future.	special effort to undertake new initiatives to improve the quality of life of SC/ST population in the villages surrounding the mines .under the CSR activities in the areas of Health & hygiene, Women empowerment, Income generation & livelihood, Education, Sports and cultural activities. These CSR activities are intensified for further increasing quality of life of tribal population. Spent Rs. 78.94 lakhs during 2016-17 under CSR.
(vii)	The top soil, if any, shall temporarily be stored at earmarked site (s) only and it should not be kept unutilized for long. The topsoil shall be used for land reclamation and plantation The overburden(OB) generated during the mining operations shall be stacked at earmarked dump site(s) only and it should not be kept active for long period of time. The maximum height of the dumps shall not exceed 8m and width 20m and overall slope of the dump shall be maintained at 45 deg. The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface runoff. In critical areas, use of geo textiles shall be undertaken for stabilization of the dump. The entire excavated area shall be backfilled and afforested. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment, Forest & Climate Change and its Regional Office located at Bhopal on six monthly basis.	Limestone exists at outcrop. Hence, no top soil in the area. The OB dumps are being stabilized with shrubs / grasses to control soil erosion and runoff control.  Status of compliance is being informed to MoEFCC and MPPCB on six monthly basis.
(viii)	Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, mineral and OB dumps to prevent run off of water and flow of sediments directly into the river and other water bodies. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The	Garland drains and siltation ponds have been provided at OB dumps . The drains/ sediment ponds / check dams are cleaned periodically.



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	drains shall be regularly desilted particularly after monsoon and maintained properly. The drains, settling tanks and check dams of appropriate size, gradient and length shall be constructed both around the mine pit and overburden dumps to prevent run off to water and flow of sediments directly into the river and other water bodies and sump capacity should be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of silt material. Sedimentation pits shall be constructed at the corners of the garland drains and de-silted at regular intervals.	
(ix)	Plantation shall be raised in a 7.5m wide green belt in the safety zone around the mining lease, backfilled and reclaimed area, around water body, along the roads etc. by planting the native species in consultation with the local DFO/Agriculture Department. The density of the trees should be around 2500 plants per ha. Greenbelt shall be developed all along the mine lease area in a phased manner and shall be completed within first five years.	As the area remain submerged in water for most period of a year, the plantation at Left Bank Lease is not envisaged.
(x)	Dimensions of the retaining wall at the toe of over burden dumps and OB benches within the mine to check run-off and siltation shall be based on the rain fall data.	Toe walls, garland drains and siltation pond at the OB Dumps has been constructed to control the surface runoff from the OB dumps.
(xi)	Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of PM10 and PM2.5 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.	1 nos. of haul road water sprinklers are being used to control dust emission for ore transport roads. Ambient air in and around the mines is being maintained within the standards.



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(xii)	Regular monitoring of the flow rate of the springs and perennial nallahs flowing in and around the mine lease shall be carried out and records maintained. Regular monitoring of water quality upstream and downstream of water bodies shall be carried out and record of monitoring data should be maintained and submitted to Ministry of Environment, Forest & Climate Change, its Regional Office, Bhopal, Central Groundwater Authority, Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board.	The quality of water at U/s and D/s of Chhoti Mahanadhi River is being done regularly and results are being submitted to both MoEFCC and MPPCB on six monthly basis.
(xiii)	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 data thus collected may be sent regularly to Ministry of Environment, Forest & Climate Change and its Regional Office, Bhopal, Central Ground Water Authority and Regional Director, Central Ground Water Board.	Network 5 nos. of existing Dug Wells located around the mines have been selected for ground water level monitoring. Ground water table levels at the selected wells is being monitored at regular intervals i.e. 4 times in a year. Proposal is being prepared for installing piezometers by establishing network with the existing dug wells.
(xiv)	The critical parameters such as PM10, PM2.5, 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[(TDS, DO, PH and Total Suspended Solids (TSS)]. The monitored data shall be uploaded on the website of the company as well as displayed on a display board at the project site at a suitable location near the main gate of the Company in public domain. The circular No.J-20012/1/2006-IA.II(M) dated 27.05.2009 issued by Ministry of Environment, Forest & Climate Change, 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	Critical parameters i.e. PM10, NOx and SO <sub>2</sub> in ambient air and relevant parameters in the effluents are being monitored regularly. The monitored data is being displayed in General Offices. Copy of EC compliance along with environmental quality data is being uploaded to the company website <a href="http://www.sail.co.in">www.sail.co.in</a> .



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	in the regard for its compliance.	
(xv)	Four ambient air quality- monitoring stations should be established in the core zone as well as in the buffer zone for PM10, PM2.5, SO2 & NOx monitoring. Location of the stations should be decided based on the meteriological data, topographical features and environmentally and ecologically sensate targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board. Data on ambient air quality should be regularly submitted to the Ministry including its Regional Office located at Bhopal and the State Pollution Control Board/ Central Pollution Control Board once in six months.	Four ambient air quality monitoring stations have been established based on the topography and meteorological conditions of the area. Regular ambient air quality monitoring of key parameters (PM2.5 , PM10, SO2 and NOX) .  Ambient air quality monitoring data is being submitted to MoEF&CC, New Delhi and Regional Office, Bhopal along with the compliance reports.
(xvi)	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.	Adequate nos. of fugitive dust emission control measures have been provided at the mines. Water sprinklers at haul roads has also been provided. Details of major fugitive dust control measures at various main unit operations are as follows:  Drilling – Wet drilling is being practiced.  Blasting – Controlled blasting by using slurry explosives & NONEL technology is being followed to control the dust generation during blasting.  Haulage – Haul roads are regularly sprinkled with water by 1 nos. mobile water sprinklers
(xvii)	Measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/ muffs.	Regular maintenances and periodic checks of the HEMM are being carried out to control noise below 85 dB(A) in the work environment. The operators engaged in blasting/ drilling operations and operator of HEMM are provided with protective ear plug/ ear muffs with helmet.
(xviii)	Industrial waste water (workshop and waste water from the mine ) should be properly	No discharge of effluent from the Left bank Lease.



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	collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 <sup>th</sup> May, 1993 and 31 <sup>st</sup> December, 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of workshop effluents.	
(xix)	Personnel working in dusty areas should wear protective respiratory devices and they should also be provided adequate training and information on safety and health aspects.	Dust masks have been provided to personnel working in dusty areas i.e. drilling, excavation, unloading & loading areas. Training on safety and health aspects is being imparted on regular basis. A full fledged Occupational Health Centre is run by the mines for regular health surveillance.
(xx)	Occupational health surveillance programme of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.	Periodical Medical Examination (PME) of all workmen working in the mines is being done at our Occupational Health Centre once in every five years/three/one year depending on category. Additional PME is also conducted as per the recommendation of 10 <sup>th</sup> & 11 <sup>th</sup> conference of Safety, DGMS, Dhanbad.
(xxi)	A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior- Executive, who will report directly to the Head of the Organization.	An Environment Management Cell (EMC) has been established at the Kuteshwar Limestone Mine to carry out the environmental management activities including implementation and maintenance of Environmental Management System. The EMC is headed by an Deputy Manager, who directly reports to the General Manager (Mines).
(xxii)	The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry and its Regional Office located at Bhopal.	Adequate fund is being allocated for environmental management activities at the mines. The allocated fund is being utilized only for environmental activities and not diverted for any other jobs. During the financial year 2016-17 an amount of Rs. 10.22 Lakh has been spent towards environmental management.



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(xxiii)	The project authorities should inform to the Regional Office located at Bhopal regarding date of Financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	The Left Bank Lease of Kuteshawar Limestone Mine is operating since 1993. This is a running mine. No specific date of start of land development work can be assigned.
(xxiv)	The Regional Office of this Ministry located at Bhopal 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.	Full co-operation is extended to the officers of the Regional Office, MoEF&CC, Katni/ Jabalpur, by furnishing the requisite data/ information / monitoring reports.
(xxv)	The project proponent shall submit six monthly report on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment, Forest and Climate Change, its Regional office, Bhopal , Central Pollution Control Board and State Pollution Control Board.	Six monthly compliance reports on the status of implementation of environmental safeguards are being submitted to MoEF&CC, New Delhi, Regional Office – MoEF&CC, Bhopal CPCB, MPPCB. Copy of the compliance report including environmental quality data is being uploaded to the SAIL web site i.e. <a href="http://www.sail.co.on">www.sail.co.on</a> .
(xxvi)	A copy of clearance letter will be marked to concerned Panchayat / local NGO, if any, from whom suggestion/ representation has been received while processing the proposal.	A copy of the environmental clearance letter has already been sent to the Gram Panchayats .The clearance letter has been put on the Company website i.e. <a href="http://www.sail.co.on">www.sail.co.on</a> .
(xxvii)	State Pollution Control Board should display a copy of the clearance letter at the Regional Office , District Industry Centre and Collector's Office / Tehsildar's Office for 30 days.	-
(xxviii)	The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the Ministry of Environment, Forest and Climate Change at <a href="http://envfor.nic.in">http://envfor.nic.in</a> and a copy	Has already published in English News Paper (Times of India) and Hindi News Paper (Yash Bharat) on 25.08.2015.



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	of the same should be forwarded to the Regional Office of this Ministry located at Bhopal.	

  
4.6.17

[A. Sharma]

General Manager (Mines)

Kuteshwar Limestone Mine,

P.O.Barhi - 483 770, Dist. : Katni, Madhya Pradesh



**SAIL/RMD/KUTESHWAR LIMESTONE MINES  
CSR EXPENDITURE 2016-17**

Sl. No.	Thrust Area	Project / Scheme	Location	Total Beneficiary	Implementing Agency	Expected / Actual Start Date	Expected / Actual Completion Date	Total expenditure (Rs. in Lakhs) till date (during the year)	Status /	Remarks
1(a)	Livelihood Generation	Sponsorship of 84 youth including 07 girls for 2 yrs residential ITI training from the peripheral villages of Kuteshwar Limestone Mines ( Session 2014-16)	Katni & Jabalpur	84	M/s Sai (P) ITI Katni M/s Acharya (P) ITI Katni M/s New Jabalpur (P) ITI	Oct'14	Sep'16	13.89		
1(b)	Livelihood Generation	Sponsorship of 84 youth including 07 girls for 2 yrs residential ITI training from the peripheral villages of Kuteshwar Limestone Mines ( Session 2015-17)	Katni & Jabalpur	84	M/s Sai (P) ITI Katni M/s Chandrakanta Chadda (P) ITI Katni M/s Sycobite (P) Itl , Katni M/s New Jabalpur (P) ITI			50.41	Under progress (Payment made for the session of 15-17)	
2	Health Care	Medical camps, free checkup & medicine to peripheral villagers	KTR Hospital & railway Siding	750 (03 camps)	KTR Hospital	Cont	Cont	7.90		



3	Women Empowerment	Running of stitching and tailoring training center for village women/girls	Township	40	Jan shikshan sansthan Katni	Cont	Cont	0.49	
4	Sanitation	Misc wrks	peripheral villages	2500		cont	cont	1.66	*Rs57348.00.00 against hand pump repair & mis. civil works and refund of their service tax of yr 2015-16 *Rs 29346.00 against service tax of pipeline work to konia village 2015-16. *Rs 50303.00 against hand pump repair work yr 2016-17 * Rs 28684.00 against drinking water arrangement during summer yr 2016-17
5(a)	Rural Development	Supply of water to Gairtalai & Konia village ponds for irrigation purpose	Gairtalai & Konia village	4000	KTR	Cont	Cont	2.70	
5(b)	Rural Development	Maintenance of CSR installations at periphery villages( Repair & maintenance of 13 nos hand pumps)	peripheral villages( Gairtalai & Konia villages)	1000	M/s Vicky Construction, Gairtalai			1.11	
6	Sports, Heritage, Art & Culture	Sports and cultural activities in local villages						0.79	1.CSR T20 cup cricket tournament , total 30 teams of peripheral villages participated. Tournament run between 21st Dec'16 to 8th Jan'17 2. Cultural programme at village jararoda on 13.3.17 & 29.3.17
							Total :	78.95	

4/16/17  
 (S.V. Singh)  
 D. (M. M. M.)



## REGIONAL OFFICE

## M.P. POLLUTION CONTROL BOARD

HIG-04, Housing Board Colony, Jhinjari Katni (M.P.)

## AIR QUALITY MONITORING REPORT

1. Name of Place : M/S Kuteshwar Lime Stone Mine, Barhi Dist- katni (M.P.)
2. Date of Monitoring : 29-11-2016
3. Date of Analysis : 29-11-2016
4. Monitored By : Lab Staff
5. Reference : Packaged

## A - STACK EMISSION :

S. No.	Monitoring Point	Duration & Time	Unit	CHARACTERISTICS				
				TPM	SO <sub>2</sub>	NO <sub>x</sub>		

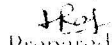
Equipped with Bag Filter

## B - AMBIENT AIR MONITORING :


S. No.	Monitoring Point	Unit	CHARACTERISTICS			
			SPM	SO <sub>2</sub>	NO <sub>x</sub>	RSPM
1.	Near Guest House, Kuteshwar Lime Stone Mine	µg/m <sup>3</sup>	-	4.9	25.70	78.15
2.	Near Marwa Lime Stone Mine	µg/m <sup>3</sup>	-	BDL	30.00	85.50

Parameter as per MPPCB Standard

Prepared By

  
 29/11/2016  
 J. K. Jha

Chief Chemist

  
 Regional Officer

M.P. Pollution Control Board, Katni





REGIONAL OFFICE  
**M.P. POLLUTION CONTROL BOARD**  
HIG- 04 , Housing Board Colony, Jhinjari Katni (M.P.)  
**NOISE MONITORING REPORT**

Name Of Industry : M/S Kuteshwar Lime Stone Mine, Barhi Dist- katni (M.P.)  
Date Of Monitoring : 29-11-2016  
Monitoring done By : Lab Staff Katni

S.No.	Monitoring Place	Standard Unit (db)	Result (db)
01	Near Guest Office	75 db	55-58 db
02	Near Marwa Mine (10 meter)	75 db	66-69 db

Parameter as per MPPCB Standard

Prepared By.

उद्योग निरीक्षक  
राजपुर

C.C.

J. S. Saini  
Regional Officer  
M.P. Pollution Control Board Katni



REGIONAL OFFICE

Fax &amp; Ph. 4042780

**M.P. POLLUTION CONTROL BOARD**

Plot No. :455,456,,Vijaynagar, Jabalpur ( M.P. )

**LIQUID SAMPLE ANALYSIS REPORT**

Sample from :- M/s Kuteswer Lime Ston Mine Distt.Katni

Sample details : Mine Water

Date of Collection :- 19/12 / 2016  
 Date of Receipt :- 20 / 12 / 2016  
 Date of Analysis :- 20/12/2016

Analysis No. 107/1216

Bill No. Dt.

Sample collected by :- R.O. Katni

Sr.No	Parameters	Unit	Result I	Result II	Result III	Result IV
<b>A - PHYSICAL PARAMETERS</b>						
1.	Temperature	<sup>o</sup> C				
2.	Turbidity	N.T.U.				
3.	Colour	-	Colourless			
4.	Odour	-				
5.	Specific Conductivity	umho/cm				
<b>B - CHEMICAL PARAMETERS</b>						
6.	pH	-	7.91			
7.	Total Alkalinity	mg / l				
8.	Total Hardness ( as CaCO <sub>3</sub> )	mg / l				
9.	Calcium Hardness ( as CaCO <sub>3</sub> )	mg / l				
10.	Magnesium Hardness ( as CaCO <sub>3</sub> )	mg / l				
11.	Chloride	mg / l	69.0			
12.	Total Solids	mg / l	769.0			
13.	Dissolved Solids	mg / l	612.0			
14.	Suspended Solids	mg / l	157.0			
15.	Ammonical Nitrogen ( as N )	mg / l				
16.	Nitrite Nitrogen ( as NO <sub>2</sub> )	mg / l				
17.	Nitrate Nitrogen ( NH <sub>3</sub> )	mg / l				
18.	Total Kjeldahl Nitrogen ( as N )	mg / l				
19.	Fluoride	mg / l				
20.	Dissolved Oxygen	mg / l				
21.	B.O.D. ( 3 days, 27 <sup>o</sup> C )	mg / l	6.0			
22.	C.O.D.	mg / l	32.0			
23.	Oil & Grease	mg / l				
24.	Phosphate ( as P )	mg / l				
25.	Sulphate ( as SO <sub>4</sub> )	mg / l				
26.	Chromium ( Cr <sup>+6</sup> )	mg / l				
27.	Copper ( Cu )	mg / l				
28.	Zinc ( Zn )	mg / l				
29.	Iron ( Fe )	mg / l				
30.	Boron ( B )	mg / l				
31.	Sodium	Ppm				
32.	Potassium	ppm				
<b>C - BIOLOGICAL PARAMETERS</b>						
33.	Total Coliform	MPN/100ml				
34.	Feacal Coliform	MPN/100ml				
<b>D - ANY OTHER TEST</b>						
35.	Calcium ( as Ca )					
36.						
37.						


INDICATION : ☐ PARAMETER DOES NOT CONFIRM TO :-

1. Standard prescribed by M.P.P.C.B. in M.P. Gazette notification, dated 25/03/1988
2. IS: 10500-1991 ( Specification for Drinking Water )
3. Standard prescribed in Bio-Medical Waste ( Management & Handling ) Rules 1988

GENERAL MARKS :-

NOTE :- No statutory liability accepted for samples not collected by M.P.P.C.B.

  
 Analyst

  
 Scientist

  
 Lab Incharge  
**Dr. S. K. Khare**  
 Scientist