

**Name of the Project:**

**M/s Associated Stone Industries (Kotah) Ltd., Near Villages of Satakhheri, Laxmipura, Kumbhkot, Suket Payli and Atralia, Tehsil Ramganjmandi, District Kota (Rajasthan)**

**Project Code:**

**M.L. No. 1/89-R-94/08**

**Clearance Letter No.:**

**J-11015/694/2007-IA.II(M)**

**Period of Compliance Report:**

**From October 2018 to March 2019**

**A. Specific Conditions**

<b>S. No.</b>	<b>conditions</b>	<b>Compliance Status</b>
(i)	Environmental clearance is granted subject to final outcome of Honorable Supreme Court of India in Contempt Petition (C) No. 412/2004 in IA No. 833 in Writ Petition (C)No. 202 of 1995, as may be applicable to this project.	We agree with condition for the subject to final outcome of Honorable Supreme Court of India in Contempt Petition (C) No. 412/2004 in IA No. 833 in Writ Petition (C)No. 202 of 1995,
(ii)	Prior clearance from the Standing Committee for National Board for Wildlife shall be obtained and the project proponent shall implement the conditions /environmental safeguards stipulated by the Standing Committee in their clearance effectively.	The proposal has been approved by the state level committee of NBWL and National Tiger conservation authority (NTCA). The same is under consideration at the NBWL, New Delhi.
(iii)	The project proponent shall obtain Consent to Establish from the Rajasthan State Pollution Control Board and effectively implement all the conditions stipulated therein.	We had obtained consent to establish from RPCB and effectively implementing all the conditions stipulated therein <b>(Copy attached)</b>
(iv)	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.	We have obtained approval for diversion of agricultural land for non-agricultural use.
(v)	The mining operations shall be restricted to above ground water table and it should not intersect the groundwater table. In case of working below the ground water table, prior approval of the Ministry of Environment and Forests and the Central Ground Water Authority shall be obtained, for which a detailed hydro-geological study shall be carried out.	We have obtained permission from CGWA for abstraction of ground water. Letter attached herewith. <b>(Copy of CGWA NOC attached)</b>
(vi)	The project proponent shall ensure that no natural watercourse and/or water resources are obstructed due to any mining operations.	No natural watercourse and/or water resources are obstructed due to any mining operations.
(vii)	The top soil shall temporarily be stored at earmarked site(s) only and it should not be kept unutilized for long. The topsoil shall be used for land reclamation and plantation.	Top soil is being directly spread over the dead dump yard/backfilled area and used for land reclamation and plantation. We have developed garden (Shiv Udhyan, Ganesh

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		Udhyan, Parwati Udhyan, Kartik Udhyan and Shakti udhyan) at waste dumps. <b>(Photograph Attached)</b>
(viii)	The over burden (OB) generated during the mining operation 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. Proper terracing of OB dumps shall be carried out so that the overall slope shall not exceed 28°. The over burden dumps shall be scientifically vegetated with suitable native species to prevent erosion and surface run off. Out of the total excavated area of 428ha, an area of 218ha shall be backfilled upto the ground level, reclaimed and afforested. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining. Compliance status should be submitted to the Ministry of Environment & Forests and its Regional Office, Lucknow on six monthly bases.	The over burden dumps area scientifically vegetated with suitable native species to prevent erosion and surface run off. Overburden is being dump in mined out area for backfilling. Compliance status time to time submitted to the Ministry of Environment & Forests and its Regional Office, Lucknow on six monthly basis. The efforts of ASI (K) Ltd in greening the area through plantation on the dumps, creation of Shiv Udhyan, Ganesh Udhyan, Parwati Udhyan, Kartik Udhyan and Shakti Udhyan are the success stories.
(ix)	Catch drains and siltation ponds of appropriate size shall be constructed for the working pit, soil dump, OB dumps and mineral dumps to arrest flow of silt and sediment directly into the agricultural fields, Ahu River, the Anjar River and the Patli River and other water bodies. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly desilted particularly after the monsoon and maintained properly. Garland drains, settling tanks and check dams of appropriate size, gradient and length shall be constructed both around the mine pit and temporary over burden dumps to prevent run off of water and flow of sediments directly into the agricultural fields, Ahu River, the Anjar River and the Patli 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 should be constructed at the corners of the garland drains and desilted at regular intervals.	Siltation ponds and garland drains are existing as per requirements. Normally siltation ponds and garland drains are constructed before monsoon to prevent water flow into mining pit. By monsoon the siltation ponds and garland drains site gets deformed due to progressive mining activities and it is again constructed before monsoon. Collected water is being used for green belt development, dust suppression and agriculture purpose. This work to arrest flow of silt and sediment in to the agricultural field.
(x)	Dimension of the retaining wall at the toe of the OB dumps and the OB benches within the mine to check run-off and siltation should be based on the rain fall data.	Yes, we have done it.

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(xi)	Plantation shall be raised in an area of 399ha including a 7.5m wide green belt in the safety zone around the mining lease, OB dumps, roads etc. by planting the native species in consultation with the local DFO/Agriculture Department. The density of the trees should be around 1000 plants per ha.	Upto the end of the mine life the area of 399 ha will be planted with the native species. Till date we have planted around 154000 plants We have planned to plant 10000 saplings in this year. <b>(Photograph attached of plantation at mines dump)</b>
(xii)	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 around crushing and screening plant, loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.	Regular water sprinkling being done on haulage roads, etc. It is ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard. <b>(photographs show water sprinkling at haulage roads)</b>
(xiii)	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.	Company has schemes for water conservation & conserved water being used by villagers for the drinking as well as for agricultural purpose. <b>(photographs attached)</b>
(xiv)	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 should 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 shall 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.	Regular Analysis of ground water level & quality being carried out. <b>(Reports attached)</b>
(xv)	Appropriate mitigative measures shall be taken to prevent pollution of the Ahu River, the Anjar River and the Patli River in consultation with the State Pollution Control Board.	Noted.
(xvi)	The project proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of water (surface water and ground water) if any, required for the project.	We will do if required.

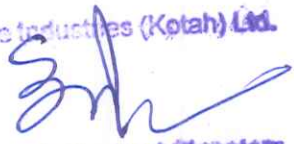
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(xvii)	Suitable rainwater harvesting measures on long term basis shall be planned and implemented in consultation with the Regional Director, Central Ground Water Board.	Company has implemented rainwater-harvesting measures. <b>(Photograph attached of Rainwater structure)</b>
(xviii)	Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The mineral transportation shall be carried out through the covered trucks only and the vehicles carrying the mineral shall not be overloaded.	Vehicular emissions be kept under control and regularly monitored. Measures taken for maintenance of vehicles used in mining operations and in transportation of mineral. The vehicles carrying the mineral not overloaded.
(xix)	Controlled blasting shall be practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented.	Controlled Blasting practices are being done and vibrations regularly check with seismographic. <b>(Reports Attached)</b>
(xx)	Drills shall either be operated with dust extractors or equipped with water injection system.	Drills are equipped with water mist system or with dust extractors.
(xxi)	Mineral handling area shall be provided with the 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.	Loading & transfer of Kota stone does not generate air pollution only OB disposal with loading & unloading generates dust which is being controlled by spraying the water at loading, unloading, transfer point at etc.
(xxii)	Consent to operate shall be obtained from the Rajasthan State Pollution Control Board, prior to start of enhanced production from the mine.	We have already obtained consent to operate from RPCB & all general condition mentioned in annex with permission are being complied strictly.
(xxiii)	Sewage treatment plant shall be installed for the colony. ETP shall also be provided for the workshop and wastewater generated during the mining operation.	We have proper disposal system for sewage water.
(xxiv)	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.	Regular medical examinations being done by medical officer. <b>(Reports Attached)</b>
(xxv)	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.	Company has provided constructed temporary structure, safe drinking water, medical health care & other necessary requirements. <b>(Photograph Attached)</b>

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(xxvi)	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.	The same has been submitted in the month of June, 2018.
(xxvii)	Land oustees and land losers/affected people should be compensated and rehabilitated as per the National Policy on Resettlement and Rehabilitation of project Affected Families (NPRR), as may be applicable to this project.	Company had provided compensation and rehabilitation as per the National Policy on Resettlement and Rehabilitation of project Affected Families (NPRR), as may be applicable to this project.
(xxviii)	The critical parameters such as SPM, RSPM, and NOX in the ambient air within the impact zone, peak particle velocity at 300m distance or within the nearest habitation, whichever is closer shall be monitored periodically (at least once a month). Further, quality of discharged water shall also be monitored (TDS, DO, PH, Total Suspended Solids (TSS) and Cr+6). 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 in public domain. The circular No. J-20012/1/2006-IA.II (M) dated 27.05.2009 issued by Ministry of Environment and Forests, which is available on the website of the Ministry <a href="http://www.envfor.nic.in">www.envfor.nic.in</a> , shall be referred in this regard for its compliance.	Attached Monitoring reports of Present Environmental AAQ of project site and 10 km buffer zone.
(xxix)	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.	Yes, we have submitted a final mine closure plan along with details of corpus fund.

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**B. General condition:-**

S. No.	B. General conditions	Compliance
(i)	No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment & Forests.	We have not done any change in mining technology and scope of work.
(ii)	No change in the calendar plan including excavation, quantum of mineral Kota Stone limestone (minor mineral) and waste should be made.	No change in the calendar plan including excavation, quantum of mineral Kota Stone limestone (minor mineral) and waste.
(iii)	Conservation measures for protection of flora and fauna in the core & buffer zone should be drawn up in consultation with the local forest and wildlife department.	Conservation measures for protection of Flora & Fauna being done.
(iv)	Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for RSPM, SPM, SO <sub>2</sub> & NO <sub>x</sub> 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.	Nine monitoring stations for ambient air have been fixed in core and buffer zone. <b>(Report attached)</b>
(v)	Data on ambient air quality (RSPM, SPM, SO <sub>2</sub> & NO <sub>x</sub> ) should be regularly submitted to the Ministry of Environment and Forests including its Regional office located at Lucknow and the State Pollution Control Board / Central Pollution Control Board once in six months.	we are regularly submitting data on ambient air quality to Ministry of Environment and Forest, New Delhi, Regional office Lucknow, SPCB/CPCB as per scheduled as per rules & regulations of MoEF. We are submitted compliance report as per schedule i.e. half yearly.
(vi)	Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.	For the control of fugitive dust emissions regular spraying of water on all dust generating points i.e. haul roads, loading, unloading and at transfer points provided and properly maintained. <b>(Reports attached)</b>
(vii)	Measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs / muffs.	We have provided all necessary safety and personal protective equipments, ear plugs/muffs etc. Noise monitoring is done. <b>(Reports attached)</b>

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(viii)	Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of workshop effluents.	Industrial waste water dose not generated only rain water collected in the pits and being used for the plantation, spray on the haul roads.
(ix)	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.	Regular training to workers is being given for safety and health. Wherever applicable company is providing (PPE), Personnel protective equipments. Periodically health check up camp is being organized by the company.
(x)	A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.	The cell has been formed and the same is being under the controlled of GM of the company.
(xi)	The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry of Environment and Forests and its Regional Office located at Lucknow.	Separate fund is earmarked for environmental protection
(xii)	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.	Yes we will do.
(xiii)	The Regional Office of this Ministry located at Lucknow shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.	We are extending full cooperation to Regional office Lucknow.


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(xiv)	The project proponent shall submit six monthly reports 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 and State Pollution Control Board. The project proponent shall upload the status of compliance of the environment clearance conditions on their website and update the same periodically and simultaneously send the same by e-mail to the Regional Office, Ministry of Environment and Forests, Lucknow.	We are regularly submitted six monthly compliance report to Ministry of Environment and Forest, New Delhi, Regional office Lucknow, SPCB/CPCB as per scheduled as per rules & regulations of MoEF.
(xv)	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. The clearance letter shall also be put on the web site of the company.	Complied.
(xvi)	The State Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industry Centre and the Collector's office/ Tehsildar's Office for 30 days.	This has also been complied.
(xvii)	The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the Ministry of Environment and Forests at <a href="http://envfor.nic.in">http://envfor.nic.in</a> and a copy of the same should be forwarded to the Regional Office of this Ministry located at Lucknow.	Complied.

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