

# FORM-I

*Application for Amendment in Existing Environment Clearance due to Surrender of 82.50 ha area out of the total area of 999.10 ha.*

## **KOTAH LIMESTONE (BUILDING STONE) MINE**

(M. L. No. 01/89-R-94/08; Retained area 916.60 Ha)

Village (s) – Satakheri, Laxmipura, Kumbhkot, Nayagaon, Arnia, Suket, Atralia, Heriakheri and Teliakheri  
Tehsil – Ramganjmandi, District – Kota, Rajasthan

**Production capacity: -17,00, 000 TPA**



### **PROJECT PROPONENT**



ASSOCIATED STONE  
— INDUSTRIES —  
(KOTAH) LTD.

ASI House, Kudayala Industrial Area, Kudayala, Ramganjmandi.  
E-Mail- meena@asigroup.co.in, mail@asigroup.co.in; Ph. +91-7459 645100

### **PREPARED BY**



### **ENVIROGREEN CONSULTANTS (INDIA) PRIVATE LIMITED**

1-B, Machhla Magra, Near Patel Circle, Udaipur-313002

Email: info@egcipl.com; Website: www.egcipl.com

(A NABET accredited consultant organization ("A" Cat.) & NABL accredited laboratory services)

## FORM - I

<b>(I) Basic Information:</b>		
S. No.	Item	Details
1.	Name of the project/s	Kotah Limestone (Building Stone) Mine. (M. L. No. 01/89-R-94/08)
2.	S.No. in the schedule	1(a)
3.	Proposed capacity/area/length/tonnage to be handled/command area/ lease area/number of wells to be drilled	Existing capacity is 1700000 TPA and the lease area is 916.60 ha. (After reduction of 82.5 ha area).
4.	New/Expansion/Modernization	Amendment in Environment Clearance: J-11015/694/2007/IA.II(M); Dated 03.06.2009 (EC letter enclosed as <b>Annexure -I</b> ) Amendment in Environment Clearance due to part surrender of lease area.
5.	Existing Capacity/Area etc.	Existing lease production capacity is 1700000 TPA with area 916.60 ha. (after reduction of 82.5 ha area). Approval letter of Scheme of Mining enclosed as <b>Annexure-II</b>
6.	Category of Project i.e. 'A' or 'B'	'A'
7.	Does it attract the general condition? If yes, please specify	Yes; the Darrah Wildlife Sanctuary exists at 6.0 km towards NE from mine site.
8.	Does it attract the specific condition? If yes, please specify.	No
9.	Location	Near village Satalkheri, Laxmipura, Kumbhkot, Suket & Atralia of Tehsil Ramganjmandi, District Kota, Rajasthan.
a.	Plot/Survey/Khasra No.	Detail of Khasara enclosed as <b>Annexure -III</b>
b.	Village	Satalkheri, Laxmipura, Kumbhkot, Suket & Atralia
c.	Tehsil	Ramganjmandi
d.	District	Kota
e.	State	Rajasthan
10.	Nearest railway station/airport along with distance in Kms.	Ramganjmandi Railway station is approx. 6.0 kms on Delhi-Kota-Mumbai broad gauge line. West-Central Railway Zone.
11.	Nearest Town, City, District Headquarters along with distance in kms.	Nearest town is Ramganjmandi at a distance of approximately 4.5 km (via SH-9B).
12.	Village Panchayats, Zila Parishad, Municipal Corporation, Local body (complete postal addresses with telephone nos. to be given).	Village Panchayats: Satalkheri, Laxmipura, Kumbhkot, Suket & Atralia. Tehsil: Ramganjmandi. District Kota, Rajasthan.
13.	Name of the Applicant	M/s. Associated Stone Industries (Kotah) Limited.

14.	Registered Address	ASI House, Kudayala Industrial Area, Kudayala, Ramganjmandi.	
15.	Address of Correspondence	ASI House, Kudayala Industrial Area, Kudayala, Ramganjmandi.	
	Name	Sh. Vikram Singh Shekhawat	
	Designation(Owner, Partner, CEO)	Environment Engineer	
	Address	ASI House, Kudayala Industrial Area, Kudayala, Ramganjmandi	
	Pin Code	326519	
	Email	meena@asigroup.co.in, mail@asigroup.co.in	
	Telephone No.	07459 645 100	
	Fax No.	07459 220 143	
16.	Details of Alternative Sites examined, if any Location of these sites should be shown on a Topo sheet.	No alternative site are available	
17.	Interlinked Projects	No	
18.	Whether separate application of interlinked Project has been submission.	Not applicable	
19.	If Yes, Date of submission	Not applicable	
20.	If no, reason	Not applicable	
21.	Whether the proposal involves approval/clearance under: if Yes, details of the same and their status to be given.	Yes	
	a.	The Forest (Conservation) Act, 1980?	Not applicable
	b.	The Wildlife (Protection) Act, 1972?	The proposal has been approved by the state level committee of NBWL and now/ The same is considering at the NBWL, New Delhi.
	c.	The C.R.Z. Notification, 1991?	Not applicable
22.	Whether there is any Government Order/Policy relevant/relating to the site?	No	
23.	Forest land involved (Hectares)	Nil	
24.	Whether there is any litigation pending against the project and/or land in which the project is propose to be set up?	No	
(a)	Name of the Court	Not applicable	
(b)	Case No.	Not applicable	
(c)	Order/directions of the Court, if any and its relevance with the proposed project	Not applicable	

## (II) Activity

### 1. Construction, operation or decommissioning of the Project involving actions, which will cause physical changes in the locality (topography, land use, changes in water bodies, etc.).

S. No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with sources of information data
1.1	Permanent or temporary change in land use, land cover or topography including increase in intensity of land use (with respect to local land use plan).	Yes	The land use will be changed due to mining activity. Currently, there are pit and OB dump created due to opencast mining, some part of void is backfilled and vegetated with native plant species. This will help in restoring the topography and enhancing the local aesthetics.
1.2	Clearance of existing land, vegetation and buildings?	No	Clearance of existing land not required.
1.3	Creation of new land uses?	Yes	In way of pits, dumps, road, office and plantation.
1.4	Pre-construction investigations e.g. bore holes, soil testing?	Yes	Not required
1.5	Construction works?	No	Office building & rest shelters for workers already exist in the lease area.
1.6	Demolition works?	No	None
1.7	Temporary sites used for construction works or housing of construction workers?	No	Only temporary rest shelter for mine workers occurred at mine site
1.8	Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations	Yes	Excavation work is done by the deployment of the machinery and no construction work will be envisaged.
1.9	Underground works including mining or tunneling?	No	Not applicable
1.10	Reclamation works?	Yes	It will be done as per approved Scheme of Mining & PMCP.
1.11	Dredging?	No	Not applicable
1.12	Offshore structures?	No	Not applicable
1.13	Production and manufacturing processes?	Yes	Semi mechanized method of mining is adopted for open cast mining.
1.14	Facilities for storage of goods or materials?	Yes	It is a mining project; storage facility is for mineral only.
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	Yes	Solid waste is disposed of at earmarked dump site as per approved Mining Plan/Scheme. There is no liquid effluent is discharged from the lease area.
1.16	Facilities for long term housing of operational workers?	No	Residential facility is not required to the operational workers as these are deployed from nearby villages.

1.17	New road, rail or sea traffic during construction or operation?	No	Existing roads will be used for transportation of mineral and machinery in the area.
1.18	New road, rail, air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc.?	No	No additional infrastructure facilities are required.
1.19	Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?	No	No closure/ diversion of existing transport routes or infrastructure is required.
1.20	New or diverted transmission lines or pipelines?	No	Not applicable
1.21	Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	No	Not envisaged.
1.22	Stream crossing?	No	Not applicable
1.23	Abstraction or transfers of water form ground or surface waters?	Yes	Permission from CGWA has been obtained vide letter no.21-4(527)/WR/CGWA/2013-1379 for 70 m <sup>3</sup> /day on dated 02.09.2014
1.24	Changes in water bodies or the land surface affecting drainage or run-off?	No	Water course doesn't exist within the lease area and drainage pattern will not be disturbed.
1.25	Transport of personnel or materials for construction, operation or decommissioning?	No	Operational workers are deployed from nearby villages. Transportation of mineral and goods will be done by existing road infrastructure.
1.26	Long-term dismantling or decommissioning or restoration works?	No	Dismantling/decommissioning is not required.
1.27	Ongoing activity during decommissioning which could have an impact on the environment?	No	None
1.28	Influx of people to an area in either temporarily or permanently?	No	The mining provides employment for the villagers and no influx of other people will be envisaged.
1.29	Introduction of alien species?	No	Not applicable
1.30	Loss of native species or genetic diversity?	No	Not envisaged, selection of plant species for plantation will be added advantage to raise number of the existing plant species.
1.31	Any other actions?	No	None

**2. Use of Natural resources for construction or operation of the Project (such as land, water, materials or energy, especially any resources which are non-renewable or in short supply).**

S. No.	Information/checklist confirmation	Yes/No	Details thereof (with approximate quantities/rate, wherever possible) with source of information data															
2.1	Land especially undeveloped or agricultural land (ha).	No	The agricultural land area is 476.695 ha.															
2.2	Water (expected source & competing users) unit: KLD	Yes	<p>The proposed water requirement is as below:</p> <table border="1"> <thead> <tr> <th>S. No.</th> <th>Uses</th> <th>Quantity</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Drinking &amp; Domestic</td> <td>22 m<sup>3</sup></td> </tr> <tr> <td>2</td> <td>Dust suppression &amp; Green</td> <td>30 m<sup>3</sup></td> </tr> <tr> <td>3</td> <td>Industrial use</td> <td>70 m<sup>3</sup></td> </tr> <tr> <td colspan="2"><b>Total</b></td> <td>122 m<sup>3</sup></td> </tr> </tbody> </table> <p>Source: Water requirement is met through mine sump.</p>	S. No.	Uses	Quantity	1	Drinking & Domestic	22 m <sup>3</sup>	2	Dust suppression & Green	30 m <sup>3</sup>	3	Industrial use	70 m <sup>3</sup>	<b>Total</b>		122 m <sup>3</sup>
S. No.	Uses	Quantity																
1	Drinking & Domestic	22 m <sup>3</sup>																
2	Dust suppression & Green	30 m <sup>3</sup>																
3	Industrial use	70 m <sup>3</sup>																
<b>Total</b>		122 m <sup>3</sup>																
2.3	Minerals (MT)	No	It is a mining project.															
2.4	Construction material – stone, aggregates, and / soil (expected source-MT)	No	All infrastructure facilities are available thus, it is not required.															
2.5	Forests and timber (source – MT)	No	Not applicable															
2.6	Energy including electricity and fuels (source, competing users) Unit: fuel (MT), energy (MW)	Yes	<p>Only HSD will be used for operation of machinery. Daily consumption of HSD is envisaged 7000 Liters/day. There are two-fuel storage and dispensing units. One at Kudayala factory and other is at Laxmipura mechanization garage. HSD is stored at both units and both the units have proper license to store fuel.</p> <p>Electric power is supplied to mine by Rajasthan Vidhyut Vitran Nigam Ltd.</p>															
2.7	Any other natural resources (use appropriate standard units)	No	Not applicable															

**3. Use, storage, transport, handling or production of substances or materials, which could be harmful to human health or the environment or raise concerns about actual or perceived risks to human health.**

S. No.	Information/checklist confirmation	Yes/No	Details thereof (with approximate quantities/rate, wherever possible) with source of information data
3.1	Use of substances or materials, which are hazardous (as per MSIHC rules) to human health or the environment (flora, fauna and water supplies)	No	None within lease area.

3.2	Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)	No	Not applicable
3.3	Affect the welfare of people e.g. by changing living conditions?	Yes	Increases the living standard due to employment opportunities.
3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.,	No	There is no significant target like school, hospital with in impact area of project.
3.5	Any other causes	No	None

**4. Production of solid wastes during construction or operation or decommissioning (MT/month)**

S. No.	Information/checklist confirmation	Yes/No	Details thereof (with approximate quantities/rate, wherever possible) with source of information data
4.1	Spoil, overburden or mine wastes	Yes	77.456 lac m <sup>3</sup> of overburden generated during year (2018-19 to 2022-23). The overburden up to conceptual stage is anticipated 953.23 lac m <sup>3</sup> . Overburden is being disposed as per the approved Scheme of Mining and reclaimed by planting native plant species
4.2	Municipal waste (domestic and or commercial wastes)	No	No municipal waste will be generated. Waste water from office toilet will be discharged into the soak pits.
4.3	Hazardous wastes (as per Hazardous Waste Management Rules)	No	No hazardous waste will be generated.
4.4	Other industrial process wastes	No	None
4.5	Surplus product	No	None
4.6	Sewage sludge or other sludge from effluent treatment	No	No effluent will be generated.
4.7	Construction or demolition wastes	No	No construction and demolition activity will be required.
4.8	Redundant machinery or equipment	No	Not envisaged.
4.9	Contaminated soils or other materials	No	No contamination of soil or other material will occur during mining operations.
4.10	Agricultural wastes	No	It is a mining project, so no agricultural waste will be generated.
4.11	Other solid wastes	No	No other solid wastes envisaged.

**5. Release of pollutants or any hazardous, toxic or noxious substances to air (kg/hr.)**

S.No.	Information/checklist confirmation	Yes/No	Details thereof (with approximate quantities/rate, wherever possible) with source of information data
5.1	Emissions from combustion of fossil fuels from stationary or mobile sources	Yes	Emission of SO <sub>x</sub> and NO <sub>x</sub> , from mobile sources due to use of fuel in machinery which will be controlled by preventive

			maintenance of machinery and development of greenbelt.
5.2	Emissions from production processes	Yes	PM and gaseous pollutants will be emitted from production process (like excavation, blasting, loading & sorting of mineral). This will be controlled by water sprinkling & greenbelt development.
5.3	Emissions from materials handling including storage or transport	Yes	PM will be emitted from material handling. Particulate matter will be controlled by water sprinkling and greenbelt. Emission of SO <sub>2</sub> , NO <sub>x</sub> will be from transport and will be controlled by greenbelt development.
5.4	Emissions from construction activities including plant and equipment	No	No construction activities will be required.
5.5	Dust or odors from handling of materials including construction materials, sewage and waste	Yes	Dust will be emitted due to handling of mining materials which will be controlled by water sprinkling. There is no odour causing agent.
5.6	Emissions from incineration of waste	No	Not applicable
5.7	Emissions from burning of waste in open air (e.g. slash materials, construction debris)	No	Not applicable
5.8	Emissions from any other sources	No	None

#### 6. Generation of Noise and Vibration, and Emissions of Light and Heat:

S. No.	Information/checklist confirmation	Yes/No	Details thereof (with approximate quantities/rate, wherever possible) with source of information data
6.1	From operation of equipment e.g. engines, ventilation plant, crushers	Yes	Noise will be generated due to drilling, blasting, excavation, loading and supporting equipment.
6.2	From industrial or similar processes	No	None
6.3	From construction or demolition	No	Not applicable.
6.4	From blasting or piling	Yes	There will be noise and vibration due to blasting to remove the over burden but for a short period and it will be kept in permissible limit.
6.5	From construction or operational traffic	Yes	Movement of machinery and trucks will generate noise, but it is within the permissible limits as prescribed by NAAQS and besides this, suitable controlled measure will be adopted such as ear plugs for the workers.
6.6	From lighting or cooling systems	No	Not applicable
6.7	From any other sources	No	None

**7. Risk of contamination of land or water from releases of pollutants into the ground or into sewers, surface waters, ground water, coastal waters or the sea:**

S. No.	Information/checklist confirmation	Yes/No	Details thereof (with approximate quantities/rate, wherever possible) with source of information data
7.1	From handling, storage, use or spillage of hazardous materials	No	None
7.2	From discharge of sewage or other effluents to water or the land (expected mode and place of discharge)	No	No discharge of sewage or other effluents to the water or land.
7.3	By deposition of pollutants emitted to air into the land or into water	No	Dust settling on land is expected to be very low and it is non-toxic.
7.4	From any other sources	No	None
7.5	Is there a risk of long term build up of pollutants in the environment from these sources?	No	None

**8. Risk of accidents during construction or operation of the Project, which could affect human health or the environment.**

S. No.	Information/checklist confirmation	Yes/No	Details thereof (with approximate quantities/rate, wherever possible) with source of information data
8.1	From explosions, spillages, fires etc. from storage, handling, use or production of hazardous substances	Yes	Mining will be done by open cast method in a safe and scientific manner and precautions will be taken against all risks as per norms prescribe by DGMS.
8.2	From any other causes	No	None.
8.3	Could the project be affected by natural disasters causing environmental damage (e.g. floods, earthquakes, landslides, cloudburst etc)?	No	The area falls under II <sup>nd</sup> seismic zone and the climatic condition is semi-arid. The project will not affected by natural disasters.

**9. Factors which should be considered (such as consequential development) which could lead to environmental effects or the potential for cumulative impacts with other existing or planned activities in the locality.**

S. No.	Information/checklist confirmation	Yes/No	Details thereof (with approximate quantities/rate, wherever possible) with source of information data
9.1	Lead to development of supporting, facilities, ancillary development or development stimulated by the project which could have impact on the environment e.g: <ul style="list-style-type: none"> <li>Supporting infrastructure (roads, power supply, waste or waste water treatment, etc.)</li> </ul>	No	There is not any adverse impact on the environment due to said project.  <ul style="list-style-type: none"> <li>There is positive impact of project by getting opportunity for employment and development of the area.</li> <li>There is no provision of housing facility</li> </ul>

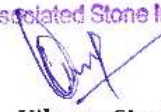
	<ul style="list-style-type: none"> <li>• housing development</li> <li>• extractive industries</li> <li>• supply industries</li> <li>• other</li> </ul>		<p>under the scope of mining.</p> <ul style="list-style-type: none"> <li>• The Limestone (Building Stone) has vital application in construction industries.</li> <li>• None</li> <li>• None</li> </ul>
9.2	Lead to after-use of the site, which could have an impact on the environment	Yes	The impact will be positive. Proposed green belt development will enhance the aesthetic beauty.
9.3	Set a precedent for later developments	No	None
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects	No	There is no existence of industrial project in the proximity to this mine.

### (III) Environmental Sensitivity

S. No.	Areas	Name/ Identity	Aerial distance (within 15 km.) Proposed project location boundary		
1.	Areas protected under international conventions, national or local legislation for their ecological, landscape, cultural or other related value	No	None.		
2.	Areas which are important or sensitive for ecological reasons – Wetlands, water courses or other water bodies, coastal zone, biospheres, mountains, forests	Yes	The detail of protected forest, water bodies are given as under:-		
			<b>S. No.</b>	<b>List of forest</b>	<b>Distance &amp; Direction</b>
			1	Kola-Ahira Block(PF)	1.0 km, SW
			2	Khimach (A) Block (PF)	1.70 km, E
			3	Mayla Khudayla (PF)	1.0 km, W
			<i>Source: Forest Department, Government of Rajasthan</i>		
			<b>S. No.</b>	<b>List of water bodies</b>	<b>Distance &amp; Direction</b>
			1.	Ahu River	1.0 km, E
			2.	Anjar River	6.5 km, E
			3.	Patli Nadi (Seasonal river )	Within
3.	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration	No	<b>S. No</b>	<b>List of Sanctuary &amp; NP</b>	<b>Distance &amp; Direction</b>
			1	Darraah wildlife Sanctuary	6.0 km, E (Block No. 4)
			2.	Mukundra Hills National park	12.0 km, NE
			<i>Source: Forest Department, Government of Rajasthan</i>		
4.	Inland, coastal, marine or underground waters	No	None of them exists within core or buffer zone of the project.		
5.	State, National boundaries	No	None.		
6.	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	No	None.		

7.	Defense installations	No	Not applicable		
8.	Densely populated or built-up area	Yes	The densely populated area given below:		
			<b>S. No.</b>	<b>Name of Village</b>	<b>Population</b>
			1	Satalkheri	36000
			2	Durjanpura	1600
			3	Laxmipura	6250
			4	Kumbhkot	10200
			5	Mayla	1125
			6	Nayagaon- Arniya	4150
			7	Kudayala	6500
8	Amarpura	2800			
9.	Areas occupied by sensitive man-made land uses (hospital, schools, places of worship, community facilities)	Yes	Area occupied by sensitive man-made land uses (hospital, schools, places of worship, community facilities) around the mining lease are located mainly in Satalkheri, Durjanpura, Laxmipura, Kumbhkot, Mayla, Nayagaon- Arniya, Kudayala and Amarpura villages.		
10.	Area containing important, high quality or scarce resources (ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals)	No	None		
11.	Areas already subjected to pollution or environmental damage. (those where existing legal environmental standards are exceeded)	No	None		
12.	Area susceptible to natural hazard which could cause the project to present environmental problems (earthquakes, subsidence, landslides, erosion, flooding or extreme or adverse climatic conditions)	No	None		

**Place:** Kota  
**Date:** 29.03.2019

**For Associated Stone Industries (Kotah) Limited**  
For-Associated Stone Industries (Kotah) Ltd.  
  
**Vikram Singh Shekhawat**  
(Environment Engineer)