

## FORM 1

[AS PER EIA NOTIFICATION 2006, MODIFICATION IN 2009 & MODIFICATION IN 2011]

(I) Basic Information				
S. No	Item	Details		
1.	Name of the project/s	Limestone (Building Stone) Mining Project; Delineated Khatedari Block No. 6		
2.	S. No. in the schedule	1(a) Mining of Mineral		
3.	Proposed capacity /area /length /tonnage to be handled/command area/lease area/number of wells to be drilled.	The Mining Lease area is 4.00 Ha and the average proposed capacity is 105000 TPA.		
4.	New/Expansion/Modernization	Fresh Case For EC		
5.	Existing Capacity/Area etc.	105000 TPA and area is 4.00 Ha		
6.	Category of Project i.e. 'A' or 'B'	'B2'		
7.	Does it attract the general condition? If yes, please specify.	No		
8.	Does it attract the specific condition? If yes, please specify.	No		
9.	Location	S. No	Latitude	Longitude
		A	24°46'6.31"N	75°54'24.94"E
		B	24°46'6.39"N	75°54'24.66"E
		C	24°46'2.11"N	75°54'23.42"E
		D	24°46'2.12"N	75°54'23.39"E
		E	24°45'59.39"N	75°54'22.85"E
		F	24°45'58.19"N	75°54'29.37"E
		G	24°46'0.61"N	75°54'29.97"E
		H	24°46'4.55"N	75°54'31.10"E
	Plot/Survey/Khasra No.	Khasra No. 1697, 1698 & 1699		
	Village	Chechat		
	Tehsil	Ramganjmandi		
	District	Kota		
	State	Rajasthan		
10.	Nearest railway station/airport along with distance in kms.	Morak Railway Station is about 7.8 Km in SE direction. Kota Airport is about 44 km in North direction.		
11.	Nearest Town, city, District Headquarters along with distance in kms.	Nearest Town is Ramganjmandi and it is about 13 Km in South direction. District Headquarter is Kota and it is about 40 Km in North direction.		
12.	Village Panchayat, Zilla Parishad, Municipal Corporation, Local body	Near village Chechat, Tehsil Ramganjmandi		

	(complete postal addresses with telephone nos. to be given)	District Kota State Rajasthan
13.	Name of applicant	Shri Gurjeev Singh Anand
14.	Registered Address	M/s Stone & Stone Corporate India Pvt. Ltd. Shri Gurjeev Singh Anand Address: F-73, Road No. 4, I.P.I.A., Kota, Rajasthan-324005
15.	Address for correspondence	
	Name	Shri Gurjeev Singh Anand
	Designation (Owner/Partner/CEO)	Owner
	Address	M/s Stone & Stone Corporate India Pvt. Ltd Shri Gurjeev Singh Anand Address: F-73, Road No. 4, I.P.I.A., Kota, Rajasthan-324005
	Pin Code	324007
	E-mail	stoneandstonecorporate@gmail.com
	Telephone No.	Mobile No: 9414176125
	Fax No.	--
16.	Details of Alternative Sites examined, if any. Location of these sites should be shown on a topo sheet	No alternative sites were examined, because the mineral is site specific.
17.	Interlinked Projects	No
18.	Whether separate application of interlinked project has been submitted?	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. (a)The Forest (Conservation) Act, 1980? (b) The Wildlife (Protection) Act, 1972? (C) The C.R.Z Notification, 1991?	The proposal does not involve any approval /clearance under the said Acts & Notification.
22.	Whether there is any Government Order/Policy relevant/relating to the site?	No
23.	Forest land involved (hectares)	No forest land is involved.

24.	Whether there is any litigation pending against the project and /or land in which the project is propose to be set up? (a) Name of the Court (b) Case No. (c) Orders/directions of the Court, if any and its relevance with the proposed project.	No litigation is pending against the project
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**(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.)**

<b>S. No.</b>	<b>Information/Checklist confirmation</b>	<b>Yes/No</b>	<b>Details thereof (with approximate quantities /rates, wherever possible) with source of information data</b>
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 impact of proposed mining on the landscape of area would be the degradation of land by cutting of surface, stacking of mineral, transportation of mineral resulting in change in the present topography.
1.2	Clearance of existing land, vegetation and buildings?	No	No clearance of existing land, vegetation & building is involved.
1.3	Creation of new land uses?	Yes	At the conceptual stage total mined out area will be converted into water reservoir and remaining undisturbed area will be used for plantation.
1.4	Pre-construction investigations e.g. bore holes, soil testing?	No	No exploration has been proposed.
1.5	Construction works?	Yes	The statutory requirements like mine office, store, first aid station, rest shelter; urinals etc. will be constructed in the land outside the applied area.
1.6	Demolition works?	No	No demolition work is involved.
1.7	Temporary sites used for construction works or housing of construction workers?	No	Local villagers will be employed thus no specific site is required for housing for the workers.
1.8	Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations	Yes	Construction of offices, toilets, rest shelter, and first aid station etc. will be done outside the applied area in a land owned by the applicant himself.

1.9	Underground works including mining or tunneling?	No	Proposed project does not include underground mining or tunneling.
1.10	Reclamation works?	Yes	At the end of the mining operation, a part shall be back filled and remaining part of the lease area would be used as water reservoir, the water reservoir would be fenced. The remaining undisturbed area will be used for plantation.
1.11	Dredging?	No	No dredging will be involved.
1.12	Offshore structures?	No	No offshore structure will be involved.
1.13	Production and manufacturing processes?	Yes	The project involves opencast semi mechanized mining. The production of Limestone involves drilling, blasting, excavation, loading & transportation activities.
1.14	Facilities for storage of goods or materials?	No	No permanent storage is required, as the Lime Stone which is excavated will be transported from mine site to required destination.
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	Yes	Initially the waste or overburden, blasted rock will be dumped at the nearby adjoining mines, which will be further used for backfilling of the same mines.
1.16	Facilities for long term housing of operational workers?	No	Workers will be hired/ employed locally from the nearby villages, for the mining activity. Thus no housing facility will be developed near mine site.
1.17	New road, rail or sea traffic during construction or operation	No	During the operational phase traffic will increase, however the existing road network will be sufficient to handle the increased traffic load.
1.18	New road, rail, air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc?	No	This is an existing mine. No new road, rail, air, water borne or other transport infrastructure including new or altered routes and stations, ports, airports etc is proposed.
1.19	Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?	No	There is no closure or diversion of existing routes or infrastructure for the proposed project.

1.20	New or diverted transmission lines or pipelines?	No	There are no new or diverted transmission lines or pipelines in the project site.
1.21	Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	No	There is no water course falling in this applied area.
1.22	Stream crossings?	No	There is no stream (perennial or seasonal) within the applied area.
1.23	Abstraction or transfers of water from ground or surface waters?	Yes	<p>Total water requirement will be 8.0 KLD. Out of which, 6.0 KLD will be used for domestic purpose, 0.75 KLD for dust suppression (water sprinkling on haulage roads) and rest (1.25 KLD) will be used for plantation.</p> <p><b>Source:</b> Water will be sourced from the tanker supply from nearby village Chechat. Rain water collected in the mine pits will also be utilized for plantation and dust suppression.</p>
1.24	Changes in water bodies or the land surface affecting drainage or run-off?	No	There is no water course in the lease area thus no change is anticipated on the water bodies, drainage or run off.
1.25	Transport of personnel or materials for construction, operation or decommissioning?	No	<ul style="list-style-type: none"> <li>The staff and the workers involved in the project will use the local transport for commutation to the project area.</li> <li>Lime stone from the mine site will be transported by road in trucks.</li> </ul>
1.26	Long-term dismantling or decommissioning or restoration works?	Yes	After completion of mining operations, some excavated part will be backfilled and rest will be converted into a small water reservoir, which shall be useful to the society.
1.27	Ongoing activity during decommissioning which could have an impact on the environment?	No	After closure of mining operations, no activity will be there.
1.28	Influx of people to an area in either temporarily or permanently?	No	The operational manpower requirement of the mine will be about 129 persons (Labor- 120 & Supervisory Staff- 9) and will be sourced from

			the nearby villages; hence there will not be any influx of people.
1.29	Introduction of alien species?	No	There would be no introduction of any alien species since local species would be preferred for the plantation.
1.30	Loss of native species or genetic diversity?	No	There will be no loss of native species or genetic diversity due to proposed project activities.
1.31	Any other actions?	No	No other actions would be involved for the excavation of the mineral.

**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):**

<b>S. No.</b>	<b>Information/checklist confirmation</b>	<b>Yes/No</b>	<b>Details thereof (with approximate quantities /rates, wherever possible) with source of information data</b>
2.1	Land especially undeveloped or agricultural land (ha)	No	The mining area is concentrated in the area where mining activities are going on. There will be no impact on the agricultural activities in and around the area.
2.2	Water (expected source & competing users) unit: KLD	Yes	Total water requirement will be 8.0 KLD. Out of which, 6.0 KLD will be used for domestic purpose, 0.75 KLD for dust suppression (water sprinkling on haulage roads) and rest (1.25 KLD) will be used for plantation.  <b>Source:</b> Water will be sourced from the tanker supply from the nearby village Chechat. Rain water collected in the mine pits will also be utilized for plantation and dust suppression.
2.3	Minerals (MT)	No	No raw materials are required for mining operation.
2.4	Construction material – stone, aggregates, sand / soil (expected source – MT)	No	There is no permanent construction needed in the lease area hence no construction material will be used.
2.5	Forests and timber (source – MT)	No	No forest and timber products involved in the proposed project.

2.6	Energy including electricity and fuels (source, competing users) Unit: fuel (MT), energy (MW)	Yes	No Electricity is required as the machinery used in the mining operations will be diesel operated.
2.7	Any other natural resources (use appropriate standard units)	No	No other natural resources will be used.

**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/rates, 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	The explosives to be used for blasting will be supplied by an authorized contractor at the blasting site and at the time of blasting. The explosive will be used when it is needed; hence no storage is required for explosives.
3.2	Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)	Yes	Occurrence of Limestone or water borne diseases are not expanded in the neighborhood of mining lease area as there will be no disposal of waste water outside the mining lease area or permanent accumulation of polluted water. Further, Initial & periodical health checkup of the employees will be conducted on regular basis.
3.3	Affect the welfare of people e.g. by changing living conditions?	Yes	This project will provide livelihood to the workforce during the operation which will help in improving their living conditions.
3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.,	No	No vulnerable groups of people will be affected by the project as entry of unauthorized person in the mining lease area will be prohibited.
3.5	Any other causes	No	There will be no effect due to other causes.

**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/rates, wherever possible) with source of information data
4.1	Spoil, Overburden or Mine	Yes	Initially the waste or overburden, blasted

	Wastes		rock will be dumped at the nearby adjoining mines, which will be further used for backfilling of the same mines.
4.2	Municipal waste (domestic and or commercial wastes)	Yes	Very insignificant quantity of domestic waste will be generated by the labors at site.
4.3	Hazardous wastes (as per Hazardous Waste Management Rules)	No	No Hazardous waste (as per Hazardous Wastes (Management & Handling) Rules, 1989) will be generated.
4.4	Other industrial process wastes	No	There is no industrial process involved in the project.
4.5	Surplus product	No	The entire mined out product will be sold to the consumer.
4.6	Sewage sludge or other sludge from effluent treatment	No	There is no effluent treatment plant in the proposed project.
4.7	Construction or demolition wastes	No	No construction or demolition work is involved.
4.8	Redundant machinery or equipment	No	There is no redundancy of machineries involved, as the machineries are movable and will be removed from the mine lease area after the mining is over and will be used elsewhere.
4.9	Contaminated soils or other materials	No	No contamination of soil or other material will be involved.
4.10	Agricultural wastes	No	There is no agricultural waste involved.
4.11	Other solid wastes	No	No other solid waste is generated.
<b>5. Release of pollutants or any hazardous, toxic or noxious substances to air (Kg/hr)</b>			
<b>S. No.</b>	<b>Information/Checklist confirmation</b>	<b>Yes/No</b>	<b>Details thereof (with approximate quantities/rates, wherever possible) with source of information data</b>
5.1	Emissions from combustion of fossil fuels from stationary or mobile sources.	Yes	There will be emissions from vehicles & machineries, engaged for excavation and transportation. It will be managed by the following methods: Proper maintenance of vehicles and



			machines. PUC certified vehicles will be allowed for transportation purposes.
5.2	Emissions from production processes	Yes	There will be some dust emission from production process. However, imitative measures such as water sprinkling and plantation would be taken to control dust pollution.
5.3	Emissions from materials handling including storage or transport	Yes	Some emission is expected as the loading and unloading will be done mechanically.
5.4	Emissions from construction activities including plant and equipment	No	No permanent construction activity will be carried out at site so there will be no emission from any such activities.
5.5	Dust or odors from handling of materials including construction materials, sewage and waste	No	There would be no dust or odors from handling of construction materials since there is no permanent construction proposed at the site.
5.6	Emissions from incineration of waste	No	No such waste will be generated, which needs to be incinerated.
5.7	Emissions from burning of waste in open air (e.g. slash materials, construction debris)	No	No waste of any kind will be burnt in the open air.
5.8	Emissions from any other sources	No	There is no other source of emission.
<b>6. Generation of Noise and Vibration, and Emissions of Light and Heat:</b>			
<b>S.No.</b>	<b>Information/Checklist confirmation</b>	<b>Yes/No</b>	<b>Details thereof (with approximate quantities/rates, wherever possible) with source of information data</b>
6.1	From operation of equipment e.g. engines, ventilation plant, crushers	Yes	Noise will be generated due to machineries deployed in the area. Precaution and regular maintenance of drills and excavator, replacement of damaged/ worn out parts when ever required will be taken up. Ear plugs will be provided to the persons exposed to high noise level.

6.2	From industrial or similar processes	No	There will not be any industrial process involved.
6.3	From construction or demolition	No	No construction or demolition is involved.
6.4	From blasting or piling	Yes	Negligible amount of noise will be generated due to blasting. No ground vibration is anticipated.
6.5	From construction or operational traffic	Yes	Due to vehicular traffic and material transportation within applied area, noise will be generated but measures will be taken up to control the noise levels within the DGMS & CPCB norms.
6.6	From lighting or cooling systems	No	Mining will be done in day time so no lighting will be required and cooling systems are not required.
6.7	From any other sources	No	No other source generates Noise & Vibration, Heat etc.

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

<b>S. No.</b>	<b>Information/Checklist confirmation</b>	<b>Yes/No</b>	<b>Details thereof (with approximate quantities/rates, wherever possible) with source of information data</b>
7.1	From handling, storage, use or spillage of hazardous materials	No	There will be no handling, storage, use or spillage of hazardous materials.
7.2	From discharge of sewage or other effluents to water or the land (expected mode and place of discharge)	No	No effluent and sewage will be generated from the proposed project operations.  The rain water stored in the mine pits will be utilized for water spraying, plantation and other mining work.
7.3	By deposition of pollutants emitted to air into the land or into water	No	The insignificant dust emission will be generated in the mine site & surrounding, which shall be suppressed by the water sprinkling during mining, on haul roads & on transportation roads. This insignificant dust emission will not cause any contamination into land or water.
7.4	From any other sources	No	There is no other source from which risk of

			contamination is anticipated.
7.5	Is there a risk of long term build up of pollutants in the environment from these sources?	No	There is no risk of long term buildup of pollutants in the environment from the proposed project operations as frequent dust suppression would be done in mining area and surrounding roads.
<b>8. Risk of accidents during construction or operation of the Project, which could affect human health or the environment</b>			
<b>S. No.</b>	<b>Information/Checklist confirmation</b>	<b>Yes/No</b>	<b>Details thereof (with approximate quantities/rates, wherever possible) with source of information data</b>
8.1	From explosions, spillages, fires etc from storage, handling, use or production of hazardous substances.	Yes	For blasting, explosives would be used and all the safety measures as per the Mines Act under the supervision of DGMS would be employed.
8.2	From any other causes	Yes	<ul style="list-style-type: none"> <li>• Accidents by transport vehicles due to negligence and/or ignoring the safety aspects.</li> <li>• Accidents during mining caused due to negligence of workers or bad mining practice.</li> <li>• No loose stone or debris will be allowed to remain near the edges of excavation and along the sides of haul road.</li> <li>• However, to deal the minor incidences and accidents, <b>First Aid</b> measures at site will be provided.</li> </ul>
8.3	Could the project be affected by natural disasters causing environmental damage (e.g. floods, earthquakes, landslides, cloudburst etc)?	No	Since project site comes under Seismic Zone II as per NIDM Rajasthan so there is moderate damage risk of earthquakes.
<b>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.</b>			
<b>S. No.</b>	<b>Information/Checklist confirmation</b>	<b>Yes/No</b>	<b>Details thereof (with approximate quantities/rates, wherever possible) with source of information data</b>

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><li>• Housing development</li><li>• Extractive industries</li><li>• Supply industries</li><li>• Other</li></ul>	Yes	Proposed project will result in development of living standards of the surrounding area by increasing direct and indirect employment opportunities in the region.
9.2	Lead to after-use of the site, which could have an impact on the environment	Yes	There is likely to be positive impact on the environment as mining pit will be partially backfilled and a part will be converted into a water reservoir.
9.3	Set a precedent for later developments	Yes	A better after use scenario, which is likely to increase aesthetic beauty of the area by converting the excavated region into water reservoir.
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects	Yes	No major industries except few mines of mineral are located in the 10 km area. Thus there is likelihood of cumulative effect due to the transportation of mineral.  A better planned and executed project has to yield a better result individually; which in turn has to give better cumulative effect also.

### (III) Environmental Sensitivity

S. No	Areas		
1	Areas protected under international conventions, national or local legislation for their ecological, landscape, cultural or other related value.	Yes	Mukundra Hills National Park is about 7.8 Km in North direction

2	Areas which are important or sensitive for ecological reasons - Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests.	Yes	Salampura Reserve Forest is about 7.8 Km in SW direction
3	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, overwintering, migration resting, overwintering, migration	Yes	Mukundra Hills National Park is about 7.8 Km in North direction
4	Inland, coastal, marine or underground waters	Yes	Amajar River is about 5.58 Km in North direction Takli River is about 2.3 Km in West direction
5	State, National boundaries	Yes	Rajasthan and Madhya Pradesh State Boundary is about 8.3Km in SW direction.
6	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	Yes	NH-12 is about 8.0 Km in East direction SH-9A is about 820 m in South direction SH-9B is about 13 Km in SE direction MDR-8 is about 6.50 Km in SE direction
7	Defense installations	No	Nil
8	Densely populated or built-up area	Yes	Chechat is about 5.58 Km in West direction Barodiya is about 2.5 Km in SE direction Modak is about 6.0 Km in SE direction Borina is about 6.2 Km in SW

			<p>direction</p> <p>Morak is about 7.5 Km in SE direction</p> <p>Pipalda is about 6.5 Km in NE direction</p> <p>Khairabad is about 11.50 Km in South direction</p> <p>Dara is about 12.30 Km in NE direction</p> <p>Gurla is about 4.7 Km in NE direction</p> <p>Kotri is about 4.6 Km in NW direction</p> <p>Motipura is about 3.8 Km in NE direction</p> <p>Ramganj Mandi is about 13 Km in South direction.</p>
9	Areas occupied by sensitive man-made land uses (hospitals, schools, places of worship, community facilities)	Yes	<p>Schools, temples and hospitals in Chechat, Morak, Modak and Ramganj Mandi.</p> <p>Schools and temples in Dara.</p> <p>School in Pipalda and Borina.</p> <p>Temple in Barodiya.</p>
10	Areas containing important, high quality or scarce resources (ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals)	No	Nil
11	Areas already subjected to pollution or environmental damage. (those where existing legal environmental standards are exceeded)	No	Nil
12	Areas susceptible to natural hazard which could cause the project to present	Yes	Since project site comes under Seismic Zone II as per NIDM Rajasthan so there is moderate

	environmental problems ( <i>earthquakes, subsidence, landslides, erosion, flooding or extreme or adverse climatic conditions</i> )		damage risk of earthquakes.
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## UNDERTAKING

“I hereby give an undertaking that the data and information given in the application and enclosures are true to the best of my knowledge and belief and I am aware that if any part of the data and information submitted is found to be false or misleading at any stage, the project will be rejected and clearance given, if any to the project will be at our risk and cost.

Date:

Place:



Authorized Signatory  
(Gurjeet Singh Anand)

### NOTE:

1. The Projects involving clearance under Coastal Regulation Zone Notification, 1991 shall submit with the application a C.R.Z map duly demarcated by one of the authorized agencies, showing the project activities, w.r.t. C.R.Z. and the recommendations of the state Coastal Zone management Authority. Simultaneous action shall also be taken to obtain the requisite clearance under the provisions of the C.R.Z. Notification, 1991 for the activities to be located in the CRZ.
2. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden thereon.”
3. All correspondence with the Ministry of Environment & Forests including submission of application for TOR/ Environmental Clearance, subsequent clarifications, as may be required from time to time, participation in the EAC Meeting on behalf of the project proponent shall be made by the authorized signatory only. The authorized signatory should also submit a document in support of his claim of being an authorized signatory for the specific project”

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