

KOT KASTA BHINMAL GRANITE MINE

**APPENDIX VIII
(See paragraph 6)
FORM 1 M**

APPLICATION FOR MINING OF MINOR MINERALS UNDER CATEGORY 'B2' FOR LESS THAN AND EQUAL TO FIVE HECTARE

(II) Basic Information

- (viii) Name of the Mining Lease site: - KOT KASTA, BHINMAL GRANITE MINE
 (ix) Location / site (GPS Co-ordinates): -26⁰23'20"N & 72⁰ 03' 50"E
 (x) Size of the Mining Lease (Hectare):-3.0 HECTARE
 (xi) Capacity of Mining Lease (TPA): -10500
 (xii) Period of Mining Lease: -LOI ISSUED ON 14/06/2012 FOR M.P. AND FOR E.C., Mining Plan Approved
 (xiii) Expected cost of the Project:-Rs.-50,00000/-
 (xiv) Contact Information:-Shri Kalyan Sahai S/o Shri Kana Ram Jat

C-95, Ayodhya Nagar, Kana Vihar
 Lalarpur
 Jaipur-302021
 Land Line-0141-
 Mobie-9929096716
 Email i.d.-sainira@ymail.com

Environmental Sensitivity

Sl. No.	Areas	Distance in kilometer / Details
1.	Distance of project site from nearest	
	a. rail	50KM
	b. road bridge over the concerned River,	5KM
	c. Rivulet, Nallah etc.	NOT AVAILABLE
2.	Distance from infrastructural facilities	
	Railway line	50 KM
	National Highway NH-8	28 KM
	State Highway	48 KM
	Major District Road	5 KM
	Any Other Road	5.0 KM
	Electric transmission line pole or tower	1.0 KM
	Canal or check dam or reservoirs or lake or ponds	NOT AVAILABLE
	In-take for drinking water pump house	1.0 KM

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	Intake for Irrigation canal pumps	5.0 KM
3.	Areas protected under international conventions, national or local legislation for their ecological, landscape, cultural or other related value	NOT APPLICABLE
4.	Areas which are important or sensitive for ecological reasons - Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests	NOT APPLICABLE
5.	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration	
6.	Inland, coastal, marine or underground waters	NOT APPLICABLE
7.	State, National boundaries	MORE THAN 250 KM
8.	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	NO ROUTS PASSES THROUGH THE AREA
9.	Defence installations	NONE
10.	Densely populated or built-up area, distance from nearest human habitation	5.0 KM.
11.	Areas occupied by sensitive man-made land uses (hospitals, schools, places of worship, community facilities)	2.5KM. to 5.0 km
12.	Areas containing important, high quality or scarce resources (ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals)	NOT AVAILBLE IN 15 KM RADIUS
13.	Areas already subjected to pollution or environmental damage. (those where existing legal environmental standards are exceeded)	NONE
14.	Areas susceptible to natural hazard which could cause the project to present environmental problems (earthquakes, subsidence, landslides, erosion, flooding or extreme or adverse climatic conditions)	NONE
15.	Is proposed mining site located over or near fissure / fracture for ground water Recharge	NOT APPLICABLE
16.	Whether the proposal involves approval or clearance under the following Regulations	

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	<p>or Acts, namely:-</p> <p>(a) The Forest (Conservation) Act, 1980;</p> <p>(b) The Wildlife (Protection) Act, 1972;</p> <p>(c) The Coastal Regulation Zone Notification, 2011.</p> <p>If yes, details of the same and their status to be given.</p>	<p>AREA IN REF DOESN'T FALLS IN FOREST LAND</p>
17.	Forest land involved (hectares)	NIL
18.	<p>Whether there is any litigation pending against the project and/or land in which the project is propose to be set up?</p> <p>(a) Name of the Court</p> <p>(b) Case No.</p> <p>(c) Orders or directions of the Court, if any, and its relevance with the proposed project.</p>	NO

**(Signature of Project Proponent
Along with name and address)**

Form - I
APPENDIX I
(See paragraph – 6)
Basic Information

S. No.	Item	Details
1.	Name of Project	KOT KASTA, BHINMAL GRANITE MINE
2.	Serial no. in the schedule	1 (A)
3.	Proposed capacity	10500 TPA
4.	New expansion / Modernization	It is already a working mine in advance stage of production
5.	Existing capacity / Area etc.	10500
6.	Category of project	B 2
7.	Does it attract general condition? If yes, please specify.	No
8.	Does it attract specific condition?	No
9.	Location	Lease area 3.0 ha near village Kot Kasta , Tehsil -Bhinmal, District -Jalore, Rajasthan.
10.	Nearest Railway station Nearest Airport	Jalore-50 km (km NW Railway) and Jodhpur 150 km.
11.	Nearest Town city, District HQ along with distance, in km	Kot -Kasta VILLAGE—5.0 km Bhinmal TEHSIL HQ.- 15.0 km Jalore ,DIST. H.Q.-50 KM
12.	Village Panchayat, Zila Parishad, local body	Village Pancayat –Kot Kasta -5.0 km Zilla Parishad Jalore -50 km
13.	Name of Applicant	Shri Kalyan Sahai
14.	Registered Address	C-95, Ayodhya Nagar, Kana Vihar Jaipur- 302021
15.	Address of correspondence	C-95, Ayodhya Nagar, Kana Vihar Jaipur- 302021
16.	Details of alternative site examined, if any	Not considered as mineral is found in the area for which lease is sanctioned for specific mineral mining.

17.	Interlinked projects	None
18.	Whether separate application for interlinked project has been submitted	Not Required
19.	If yes, date of submission	N.A.
20.	If no, reason	There is no interlinked Project.
21.	Whether proposal involves approval / clearance. If yes, details of the same and their status.	N A
22.	Whether there is any Govt. order / policy relevant / relating to the site Forest Conservation Act 1980? Wildlife Protection Act 1972? CR2 Notification 1991?	NO N A NA NA
23.	Forest land involved (ha)	None
24.	Whether there is any litigation pending against the project and / or land in which the project is to be set up. Name of the court Case No. Order / decision of the court, if any and its relevance with the proposed project	No cases are pending either against the project or project proponent in any court NA NA NA

(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.)

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S.No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities /rates, wherever possible) with source 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 Mining activity shall change land form of the project area to some extent. Project area in due course after mineral get exhausted shall be inform of benches it is proposed to plant fair number of sapling of plants to improve the aesthetic value of the area.
1.2	Clearance of existing land, vegetation and buildings?	No	The project is situated in Govt. Waste land is devoid of vegetation. There is no building exists within project which requires clearance. Mining operations will be carried out within project area to win mineral
1.3	Creation of new land uses?	No	At the end of life of mines part of 3.0 Hectare area will be changed in step like structure. All along the steps large number of sapling of plants shall be planted to improve the aesthetic value of the area.
1.4	Pre-construction investigations e.g. Bore holes, soil testing?	No	In the nearby vicinity one more mine is operative from where production is being taken. Required data is collected from the mine itself.
1.5	Construction works?	No	No construction has been made in the lease area. Since lease agreement is pending due to E.C.
1.6	Demolition works?	No	No demolition of structure is proposed.

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1.7	Temporary sites used for construction works or housing of construction workers?	yes	Temporary rest shelter will be constructed.																												
1.8	Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations	Yes	No building or structure exist in the area except small rest shelter.																												
1.9	Underground works including mining or tunneling?	No	No underground structures are in place nor shall be constructed in due course of time.																												
1.10	Reclamation works?	No	At the end of next five years excavated area shall acquire dimension of 1.25 HECTARE only. No degraded land may be reclaimed during plan period.																												
1.11	Dredging?	No	No dredging																												
1.12	Offshore structures?	No	This is an inland Project																												
1.13	Production and manufacturing processes?	Yes	<p>The area of mining project covers 4.0185 ha non forest land. Mining shall be done by using small excavator with tipper to scrap and stack 0.05 meter top soil and hard rock separately. The land use pattern at the end of NEXT FIVE YEAR proposal period is as follows-</p> <table border="1"> <thead> <tr> <th>PARTICULARS</th> <th>AS ON DATE</th> <th>NEXT FIVE YEAR</th> <th>BY THE END OF LIFE</th> </tr> </thead> <tbody> <tr> <td>MINE AND QUARRY</td> <td>Nil</td> <td>0.71</td> <td>1.21</td> </tr> <tr> <td>OVERBURDEN</td> <td>Nil</td> <td>0.01</td> <td>0.20</td> </tr> <tr> <td>SUB GRADE</td> <td>Nil</td> <td>0.01</td> <td>0.01</td> </tr> <tr> <td>ROAD</td> <td>Nil</td> <td>0.12</td> <td>0.00</td> </tr> <tr> <td>GREEN BELT</td> <td>Nil</td> <td>0.40</td> <td>0.80</td> </tr> <tr> <td>TOTAL DISTURBED-</td> <td>nil</td> <td>1.25</td> <td>2.34</td> </tr> </tbody> </table>	PARTICULARS	AS ON DATE	NEXT FIVE YEAR	BY THE END OF LIFE	MINE AND QUARRY	Nil	0.71	1.21	OVERBURDEN	Nil	0.01	0.20	SUB GRADE	Nil	0.01	0.01	ROAD	Nil	0.12	0.00	GREEN BELT	Nil	0.40	0.80	TOTAL DISTURBED-	nil	1.25	2.34
PARTICULARS	AS ON DATE	NEXT FIVE YEAR	BY THE END OF LIFE																												
MINE AND QUARRY	Nil	0.71	1.21																												
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TOTAL DISTURBED-	nil	1.25	2.34																												

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1.14	Facilities for storage of goods or materials?	No	No Land is required or used for storage of goods or materials in the lease area.
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	No	No liquid waste shall be generated and do not required any treatment for Disposal. Solid waste as O.B. & I.B. which will be stacked temporarily and later will be used road maintenance.
1.16	Facilities for long term housing of operational workers?	No	A rest shelter already exists in lease area. No long term housing is envisaged.
1.17	New road, rail or sea traffic during construction or operation?	No	No new road rail or sea traffic shall be created.
1.18	New road, rail, air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc?	No	No alteration of existing road rail air water transport is required to be changed or altered.
1.19	Closure or diversion of existing transport routes or infrastructure leading to changes	No	No diversion
1.20	New or diverted transmission lines or pipelines?	No	No diversion
1.21	Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	No	No impounding or diversion of water course.
1.22	Stream crossings?	No	No crossing of streams
1.23	Abstraction or transfers of water form ground or surface waters?	No	No Abstractions or transfer of water.
1.24	Changes in water bodies or the land surface affecting drainage or run-off?	No	No change foreseen

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1.25	Transport of personnel or materials for construction, operation or decommissioning?	No	No construction activity in next five years no transport of man material is envisages
1.26	Long-term dismantling or decommissioning or restoration works?	No	No dismantling of structure shall take place
1.27	Ongoing activity during decommissioning which could have an impact on the environment?	No	No decommission of any kind
1.28	Influx of people to an area in either temporarily or permanently?	No	No influx of workers
1.29	Introduction of alien species?	No	No induction of any alien species envisages
1.30	Loss of native species or genetic diversity?	No	No loss of native species
1.31	Any other actions?	No	No any other action is warranted

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 /rates, wherever possible) with source of information
2.1	Land especially undeveloped or agricultural land (ha)	No	The project is on Govt waste land. Accept mining and allied activities no further changes in undeveloped land is envisaged

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2.2	Water (expected source & competing users) unit: KLD	Yes	The Project land extending 3.0 hectare is proposed to be sanctioned. It's a new g project and in development stage 10 KLD water shall be used and no augmentation in the quantity is envisaged. Water requirement shall be met from nearby ground water sources.
2.3	Minerals (MT)	No	No minerals shall be required for construction .
2.4	Construction material – stone, aggregates, and / soil (expected source – MT)	No	No construction material shall be required for next 5 / 10 years.
*2.5	Forests and timber (source – MT)	No	No forest produce is currently consumed and shall be required in distant future.
2.6	Energy including electricity and fuels (source, competing users) Unit: fuel (MT), energy (MW)	No	Energy, electricity required for domestic use HSD required for machine which is 100 lit/day
2.7	Any other natural resources (use appropriate standard units)	No	No other natural resources are required in the project and therefore will not be produced.

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
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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	No hazardous substances are used for excavation. As such use of substance or materials which are hazardous are precluded in current and future mine working.
3.2	Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)	No	Proper precaution to maintain hygienic conditions shall be continued to be practiced thereby precluding occurrence of disease or which affect disease vectors.
3.3	Affect the welfare of people e.g. by changing living conditions?	Yes	Direct or indirect employment due to continued mining operations shall affect living conditions in positive manner.
3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.,	No	There won't be Such impact due to project activity.
3.5	Any other causes	No	Any other causes which may affect use, storage, handling and transport of material are remote.

4.0. 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	Soil, overburden or mine wastes	Yes	Except for over burden which will be re used for mine road maintenance, no solid waste required to be accommodated in the project site temporarily.
4.2	Municipal waste (domestic and or commercial wastes)	No	No municipal waste shall be generated

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4.3	Hazardous wastes (as per Hazardous Waste Management Rules)	No	No hazardous waste is generated currently nor also in distant future.
4.4	Other industrial process wastes	No	Other industrial waste is neither generated nor likely to be generated during entire life of the project.
4.5	Surplus product	No	No surplus product shall be generated during next 5 years.
4.6	Sewage sludge or other sludge from effluent treatment	No	No sewage shall be generated hence no requirement of any treatment.
4.7	Construction or demolition wastes	No	No waste shall be generated by way of construction or demolition of project structures.
4.8	Redundant machinery or equipment	No	There is no redundancy of machinery involved. Unserviceable machines or its spares are not stored in the project area.
4.9	Contaminated soils or other materials	No	No soil contamination is generated due to mining of mineral or removal of overburden. Because it is proposed to stack it separately
4.10	Agricultural wastes	No	No, agricultural waste shall be produced.
4.11	Other solid wastes	No	Accept overburden No other solid waste shall be generated

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/rates, wherever possible) with source of information data

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5.1	Emissions from combustion of fossil fuels from stationary or mobile sources	No	Mining machineries do generate emission but all machines are maintained to keep emission within prescribed limits as per Environment Safety & Motor Vehicle Act.
5.2	Emissions from production processes	No	No emissions other than dust are generated. Dust is generated by excavator, & tractor trolley, Dust suppression measures which mainly comprise of water sprinkling are practiced.
5.3	Emissions from materials handling including storage or transport	No	Regular water sprinkling on haulage road shall be done during loading and haulage of mined material.
5.4	Emissions from construction activities including plant and equipment	No	No construction activity shall be done thereby no emission from this activity shall take place.
5.5	Dust or odors from handling of materials including construction materials, sewage and waste	No	Emission of dust due to working and movement of machinery, vehicles and tippers will have Small impact on air environment. However, suitable control measures shall be deployed and maintained to control dust emission well within permissible
5.6	Emissions from incineration of waste	No	No incineration of waste will be taking place. Hence no need will arise for controlling such emissions.
5.7	Emissions from burning of waste in open air (e.g. slash materials, construction debris)	No	No waste burning shall be made and therefore no mitigation measures needed.
5.8	Emissions from any other sources	No	No emission from any other activity shall be generated.

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

S.No.	Information/Checklist confirmation	No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data with source of information data
6.1	From operation of equipment e.g. engines, ventilation plant, crushers	No	Noise generation will take place only at mine working which is far from any inhabitation. Proper maintenance of equipments like excavators, dumpers along with their environmentally compatible standards shall keep the noise level to prescribed levels. Vibrations shall be produced to some extent by movement of mining machinery. However, since no rock blasting is envisaged it will be limited to working place only from which inhabitations will be far away. No unwanted or excessive vibration shall be produced. No crushing / grinding are envisaged thereby no noise shall be generated due to such activities.
6.2	From industrial or similar processes	No	No industrial process other than mining shall be carried out. Therefore, no additional noise will be generated
6.3	From construction or demolition	No	No construction / demolition is envisaged. Therefore, no additional noise will be generated.
6.4	From blasting or piling	No	Mild Blasting is proposed to fragment in situ Waste rock will generate dust and noise pollution which is momentary. Momentary generation of noise and dust due to blasting is envisaged. To avoid developing cracks in block mild blasting is proposed.

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6.5	From construction or operational traffic	No	No construction activity shall take place in coming 5 years. Vehicular traffic shall be restricted to mining zone which is away from inhabitation. Therefore, will not disturb nearby
6.6	From lighting or cooling systems	No	No lighting or cooling systems are planned in the project to generate any noise

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

S.No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
7.1	From handling, storage, use or spillage of hazardous materials	No	From handling and storage of rock waste no undue risk of contamination to land or water by release of pollutants shall take place because no pollutants exist in rock or waste generated, because mineral and generated waste rock is inert by nature.
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 will take place therefore not adding to any risk.
7.3	By deposition of pollutants emitted to air into the land or into water	No	By unloading of waste rock in to pile of waste will generated dust but is during unloading and is momentary.
7.4	From any other sources	No	no pollutant from any other source shall be released.

7.5	Is there a risk of long term build up of pollutants in The environment	No	there shall be no build up of pollutants in air in and around the project are , due precaution like water sprinkling is proposed..
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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/rates, wherever possible) with source of information data
8.1	From explosions, spillages, fires etc from storage, handling, use or production of hazardous substances	No	No explosions, spillage, fire etc from storage of rock waste / mineral is anticipated. No hazardous material is going to be produced. Mild blasting is proposed to fragment the in-situ rock. As such in situ rock is jointed
8.2	From any other causes	No	No other risk factors are envisaged.
8.3	Could the project be affected by natural disasters causing environmental damage (e.g? Floods, earthquakes, landslides,	No	Project spread over of 3.0 ha is in a Govt. waste land which has the depth persistence of mineral to 25 meter from the top of hillock. The area has minimal risk from landslide, flood or earthquake.

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/rates, wherever possible) with source of information data
9.1	<p>Lead to development of supporting facilities, ancillary development or development stimulated by the project which could have impact on the environment e.g.:</p> <ul style="list-style-type: none"> • Supporting infrastructure (roads, power supply, waste or waste water treatment, etc.) • housing development • extractive industries • supply industries • other 	Yes	The project will improve the socio-economic environment in and around it. Local people will be benefited from project activity in ancillary fields. Local people will get benefited by having more employment.
9.2	Lead to after-use of the site, which could have an impact on the environment	Yes	The after use of project site shall have different socio-environmental improvements in addition to development of plantation.
9.3	Set a precedent for later developments	Yes	A better after use scenario will be developed by way of plantation.
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects	No	Mining activity in adjoining area shall have a positive cumulative development of the environment

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 values.	No	Not applicable
	Area which are important or sensitive for ecological reasons – Wetlands, water courses or other water bodies, coastal zone, biospheres, mountains, forests.	No	Not applicable
3.	Area used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration.	No	Not applicable
4.	Inland, costal, marine or underground waters.	No	Not applicable
5.	State, National boundaries	No	Not applicable
6.	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas.	No	Not applicable
7.	Defense installations	No	Not applicable
8.	Density populated or built up area	No	Not applicable
9.	Areas occupied by sensitive man made land uses. (hospital, schools, places of worship, community facilities)	No	Not applicable
10.	Area containing important, high quality or scarce	No	Not applicable

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	resources. (ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals)		
11.	Areas already subjected to pollution or environmental damage. (those where existing legal environmental standards are exceeded).	No	Not applicable
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	Not applicable

Kalian sahai

(KALYAN SAHAI S/o KANA RAM JAT)

(A.K.Srivastava, RQP)
RQP/AJM/036/88-A
Validity-07/02/2017