

APPENDIX -I FORM-1

(I) BASIC INFORMATION

S.No.	Item	Details						
1.	Name of the Project/s	Granite Mining Project (M.L No.-17/2018, Area – 2.2862 ha.) Near village – Gajuna, Tehsil–Karera, District – Bhilwara (Rajasthan) of M/s Mahadev Granite						
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.	Granite @ 308395 TPA (ROM) (Seeable Mineral- 226486 TPA & Waste- 81909 TPA) Lease Area – 2.2862 Ha.						
4.	New/Expansion/Modernization	New						
5.	Existing Capacity/Area etc.	None						
6.	Category of Project <i>i.e</i> 'A' or 'B'	'B-2' as per EIA notification 14 th September, 2006 and its subsequent amendments till dated. (Cluster area less than 25 Ha. & LOI is granted after 03.10.2018)						
7.	Does it attract the general condition? If yes, please specify.	None						
8.	Does it attract the specific condition? If yes, please specify.	None						
9.	Location	Near village – Gajuna, Tehsil–Karera, District – Bhilwara (Rajasthan)						
	Plot/ Survey/ Khasra No.	Details of Khasra are as: <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Name of Village</th><th>Khasra No.</th><th>Area in Ha.</th></tr> </thead> <tbody> <tr> <td>Gajuna</td><td>315,316, 628, 629, 630, 631, 632, 633</td><td>2.2862</td></tr> </tbody> </table>	Name of Village	Khasra No.	Area in Ha.	Gajuna	315,316, 628, 629, 630, 631, 632, 633	2.2862
Name of Village	Khasra No.	Area in Ha.						
Gajuna	315,316, 628, 629, 630, 631, 632, 633	2.2862						
	Toposheet No.	45 K/2						
	Village	Gajuna						
	Tehsil	Karera						
	District	Bhilwara						
	State	Rajasthan						
10.	Nearest Railway Station/Airport along with distance in km.	Nearest Railway Station is Beawar Railway Station about 45.15 Km away in SE direction from the mine site. Nearest Airport is Jaipur Airport located at a distance of ~205.0 km in NE direction from mine site.						
11.	Nearest Town, city, District Headquarters along with distance in km.	Nearest town is Gajuna at a distance of ~2.0 km in SE direction from the mine site. District is Beawar at a distance of 45.0 km in NE direction from the mine site.						
12.	Village Panchayats, Zila Parishad, Municipal corporation, Local body (Complete Postal Address with telephone nos. to be given)	Village Panchayat- Gajuna Taluka- Karera Zila Parishad- Bhilwara						
13.	Name of the Applicant	Shri Mahesh Chandra Vasita (Partnership Firm)						
14.	Registered Address	Address – Dhani, Selaguda, District - Rajsamand (Raj.)						
15.	Address for correspondence:							
	Name	Shri Mahesh Chandra Vasita						
	Designation (Owner/Partner/CEO)	Partner of M/s Mahadev Granite						
	Address	Dhani, Selaguda, District- Rajsamand, Rajasthan.						
	Pin Code	313324						

	E-mail	mahadevgranite17@gmail.com
	Telephone	7727964777
	Fax No.	-
16.	Details of Alternative Sites examined, if any, Location of these sites should be shown on a Toposheet.	This is a site specific project, which cannot be shifted elsewhere due to availability of mineral. Hence no alternative site can be chosen. Location of lease area is given on Toposheet.
17.	Interlinked Projects	None
18.	Whether separate application of interlinked project has been submitted?	None
19.	If yes, date of submission	Not applicable
20.	If no, reason	-
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	Not applicable
22.	Whether there is any Government Order/Policy relevant? relating to the site?	No
23.	Is there any forest land involved	None
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.	None

(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 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	There will no major changes in land use except void will be created. Topography of the area will be slightly changed in the forms of voids. At the end of life of mine proposed development will be:		
S.No.	Land use Category	Present Land use in Ha.	5 th Year Land use in Ha.	End of life of mine	
1	Pits & Quarries	-	1.4553	1.2613(Water Reservoir)	
2	Top Soil Dump	-	0.1169	-	
3	Dumps	-	0.2603	-	
4	Mineral Stack Yard	-	0.0088	-	
5	Sub Grade Stack Yard	-	-	-	
6	Infrastructure (Work shop, Administrative building)	-	0.0100	0.0100	
7	Road	-	-	-	
8	Railway	-	-	-	
9	Green Belt/Plantation	-	0.1125	0.4544	
10	Tailing Pond	-	-	-	
11	Effluent Treatment Plant	-	-	-	
12	Mineral Separation Plant	-	-	-	
13	Township	-	-	-	

14	Backfilled Area	-	-	0.5605
15	Undisturbed Area	2.2862	0.3224	-
Total		2.2862	2.2862	2.2862
1.2	Clearance of existing land, vegetation and buildings?	No	No clearance of existing land, vegetation and building is envisaged. However, some bushes will be cleared at the time of commencement of mining operation.	
1.3	Creation of new land uses?	No	None	
1.4	Pre-construction investigations e.g. bore houses, soil testing?	No	Not Applicable	
1.5	Construction works?	Yes	Temporarily site office, First-Aid station, toilet, rest shelter etc. will be constructed at the mine site.	
1.6	Demolition works?	No	Not Applicable	
1.7	Temporary sites used for construction works or housing of construction workers?	No	Not Applicable	
1.8	Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations	No.	Not applicable.	
1.9	Underground works including mining or tunneling?	No	No underground workings are proposed. Mining will be carried out by opencast method.	
1.10	Reclamation works?	No	None	
1.11	Dredging?	No	Not Applicable	
1.12	Offshore structures?	No	Not Applicable	
1.13	Production and manufacturing processes?	Yes	Granite @ 308395 TPA (ROM) (Saleable Mineral- 226486 TPA & Waste- 81909 TPA) by opencast mining method.	
1.14	Facilities for storage of goods or materials?	Yes	Total mineral waste generated during the mining will be 81909 tonne. The waste will be sale, thus, There is no such waste to be dumped.	
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	No	Not Applicable	
1.16	Facilities for long term housing of operational workers?	No	Not Applicable	
1.17	New road, rail or sea traffic during construction or operation?	Yes	Approach road will be constructed up to mine site to join the mine to nearest village road.	
1.18	New road, rail, air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc?	No	Not Applicable	
1.19	Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?	No	Not Applicable	
1.20	New or diverted transmission lines or pipelines?	No	Not Applicable	
1.21	Stream crossings?	No	Not Applicable	
1.22	Abstraction or transfers of water form ground or surface waters?	Yes	There is no ground water abstraction proposed from lease area. Total water demand will be about 5.0 KLD. Water will be sourced from open wells & tube wells located in nearby villages through tankers.	
1.23	Changes in water bodies or the land surface affecting drainage or run-off?	No	During mining no alteration or changes in the passage/route of river are proposed. Natural drainage will not be disturbed/ obstructed.	
1.24	Transport of personnel or materials for construction,	Yes	Mineral Granite will be transported through dumper by road to destination. Workers will come from nearby	

	operation or decommissioning?		villages at their own conveyance.
1.25	Long-term dismantling or decommissioning or restoration works?	No	Plantation activities in the area will create aesthetic beauty.
1.26	Ongoing activity during decommissioning which could have an impact on the environment?	Yes	At the end of the life of mine, excavated pit will be used as water reservoir. Plantation activities in the area will create aesthetic beauty.
1.27	Influx of people to an area in either temporarily or permanently?	No	Employment will be given to people of nearby areas, so no influx is envisaged.
1.28	Introduction of alien species?	No	Not Applicable
1.29	Loss of native species or genetic diversity?	No	Not Any
1.30	Any other actions?	No	Not Applicable

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 there of (with approximate quantities/rates, wherever possible) with source of information data
2.1	Land especially undeveloped or agricultural land (ha)	No	As per revenue land records total lease area is 2.9987 Ha. and comes under Pvt. Land/Non Agriculture Land.
2.2	Water (expected source & competing users) unit: KLD	Yes	Water requirement 5.0 KLD. Source-water would be from wells and tube wells nearby lease area.
2.3	Minerals (MT)	Yes	Granite @ 308395 TPA (ROM) (Saleable Mineral- 226486 TPA & Waste- 81909 TPA)
2.4	Construction material – stone, aggregates, sand / soil (expected source – MT)	No	Not Applicable
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	Presently there is no electric power at mine site. Diesel operated mine machinery will be used at mine site
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 there of (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	Not applicable
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	By this project of Granite mining in the area, status of people of nearby villages will certainly improved by way of earnings, providing basic amenities/facilities in the area. All the above activities would provide better living standards in nearby area.

3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.,	No	None
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 there of (with approximate quantities/rates, wherever possible) with source of information data
4.1	Soil, overburden or mine wastes	No	Total mineral waste generated during the mining will be 81909 tonne. The waste will be sale, thus, There is no such waste to be dumped. Once the pits reaches to its ultimate depth, this mineral rejects will be backfilled to make the ground leveled.
4.2	Municipal waste (domestic and or commercial wastes)	No	No municipal waste will be generated.
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	None
4.7	Construction or demolition wastes	No	None
4.8	Redundant machinery or equipment	No	None
4.9	Contaminated soils or other materials	No	None
4.10	Agricultural wastes	No	None
4.11	Other solid wastes	No	None

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

S.No.	Information/Checklist Confirmation	Yes/No	Details there of (with approximate quantities/rates, wherever possible) with source of information data
5.1	Emissions from combustion of fossil fuels from stationary or mobile sources	Yes	Emissions f combustion of fossil fuels will be caused by operation of mining machineries and vehicles which will be well within the permissible limits of standards.
5.2	Emissions from production processes	Yes	Mining will generate dust and released in air. Drilling & blasting activities generate emission in the area. Wet drilling practices will be adopted to control emission.
5.3	Emissions from materials handling including storage or transport	Yes	Mineral loading & transportation will generate dust which will be controlled by water sprinkling measures. During transportation, trucks will be covered by tarpaulin.
5.4	Emissions from construction activities including plant and equipment	No	None
5.5	Dust or odor from handling of materials including construction materials, sewage and waste	No	Dust will be generated due to movement of mining machineries and transport vehicles which will be controlled by water sprinkling measures regularly. Afforestation measures will be taken to reduce the effect of dust pollution at mine or its immediate vicinity.

5.6	Emissions from incineration of waste	No	None
5.7	Emissions from burning of waste in open air (e.g. slash materials, construction debris)	No	None
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 there of (with approximate quantities/rates, 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 mining activities during loading, unloading and transportation activities. Proper selection of machines and their maintenance leads to less noise generation.
6.2	From industrial or similar processes	No	None
6.3	From construction or demolition	No	No construction or demolition will take place.
6.4	From blasting or piling	Yes	Controlled blasting will be carried out to minimize the effect of blasting. Blasting is required only for removing waste rock.
6.5	From construction or operational traffic	Yes	The transport of mineral and waste through trucks can produce noise, but it will be within permissible limits by keeping machinery in proper condition & lubrication.
6.6	From lighting or cooling systems	No	Not applicable
6.7	From any other sources	No	None

7. Risks of contamination of land or water f 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 there of (with approximate quantities/rates, 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 effluent will be discharged of mine. Mine is zero discharge units.
7.3	By deposition of pollutants emitted to air into the land or into water	No	Particulate matter emitted to air will be controlled by regular water sprinkling measures taken at mine site. Plantation would be done at safety zone, other unworked area to combat the dust pollution.
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 there of (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	All the safety measures will be observed strictly under MMR, 1961.
8.2	From any other causes	No	There is no other cause of risk and hazard.

8.3	Could the project be affected by natural disasters causing environmental damage (e.g. Floods, earthquakes, landslides, cloudburst etc)?	No	The lease area falls in Zone-II (Low damage risk zone) of seismic zoning map, hence chances of any severe earthquake is rare in the area. There are no such incidences of natural disaster occurred /reported so far.
-----	---	----	---

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 there of (with approximate quantities/rates, 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.: Supporting infrastructure (roads, power supply, waste or waste water treatment etc.) Housing development Extractive industries Supply industries Other	Yes	<ul style="list-style-type: none"> ➤ Roads and transport facility will be improved due to frequently available of vehicles. ➤ Project proponent will organize regular health checkup camps and recreational activities. ➤ Employment to local people will be generated. ➤ Overall living standard of nearby people will have positive impact.
9.2	Lead to after-use of the site, which could have an impact on the environment	Yes	The mining activities will have positive impact if environment measures are effectively implemented. Afforestation will be carried out that will have positive impact on surrounding environment.
9.3	Set a precedent for later developments	Yes	Mining of Granite is proposed with capacity of 308395 TPA (ROM) and to obtain this loading of mineral will be carried out by Excavator Proposed green belt development at mine site will help in increasing the aesthetic beauty of the area beside air quality.
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects	No	The area is free from any disturbances. There is no industry or development projects in its close proximity.

(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 in 10 km radius of the lease area.
2	Areas which are important or sensitive for ecological reasons – Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests	Yes	RF/PF <ul style="list-style-type: none"> • Amner RF is about 5.40 km in NW direction from mine site. • Banjari Mandlan RF is about 10 km in W direction from mine site. • Shivpura RF is about 5.15 km in SW direction from mine site. • Kirimal RF is about 7.60 km in E direction from mine site. • Chainpura RF is about 7.30 km in NE direction from mine site.

			Water Body:- <table><tr><th>S.No.</th><th>Water Body</th><th>Distance & Direction</th></tr><tr><td>1.</td><td>Nekhadi River</td><td>~1.0 km in North direction from mine site</td></tr><tr><td>2.</td><td>Khari Sagar</td><td>~ 10.0 km in S direction from mine site.</td></tr><tr><td>3.</td><td>Bhopal Sagar</td><td>~ 2.0 km in SW direction from mine site</td></tr></table>	S.No.	Water Body	Distance & Direction	1.	Nekhadi River	~1.0 km in North direction from mine site	2.	Khari Sagar	~ 10.0 km in S direction from mine site.	3.	Bhopal Sagar	~ 2.0 km in SW direction from mine site
S.No.	Water Body	Distance & Direction													
1.	Nekhadi River	~1.0 km in North direction from mine site													
2.	Khari Sagar	~ 10.0 km in S direction from mine site.													
3.	Bhopal Sagar	~ 2.0 km in SW direction from mine site													
3	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration	No	None												
4	Inland, coastal, marine or underground waters	No	None												
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	None												
8	Densely populated or built-up area	Yes	Karera Town is densely populated area is situated at a distance of 7.0 km in NW direction from the mine site.												
9	Areas occupied by sensitive man-made land uses (hospitals, schools, places of worship, community facilities)	Yes	All facilities (such as hospitals, schools, place of worship, community facility) available near mine site at Gajuna Town, District-Bhilwara (Raj.).												
10	Areas containing important, high quality or scarce resources (ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals)	Yes	Water Body:- <table><tr><th>S.No.</th><th>Water Body</th><th>Distance & Direction</th></tr><tr><td>1.</td><td>Khari River</td><td>~1.0 km in North direction from mine site</td></tr><tr><td>2.</td><td>Khari Nadi</td><td>~ 10.0 km in S direction from mine site.</td></tr><tr><td>3.</td><td>Bhopal Sagar</td><td>~ 2.0 km in SW direction from mine site</td></tr></table>	S.No.	Water Body	Distance & Direction	1.	Khari River	~1.0 km in North direction from mine site	2.	Khari Nadi	~ 10.0 km in S direction from mine site.	3.	Bhopal Sagar	~ 2.0 km in SW direction from mine site
S.No.	Water Body	Distance & Direction													
1.	Khari River	~1.0 km in North direction from mine site													
2.	Khari Nadi	~ 10.0 km in S direction from mine site.													
3.	Bhopal Sagar	~ 2.0 km in SW direction from mine site													
11	Areas already subjected to pollution or environmental damage. (those where existing legal environmental standards are exceeded)	No	None												
12	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)	No	The area comes in seismic zone-II (Low Damage Risk Zone) of seismic zoning map of India & Rajasthan. There is no any 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)												

"I hereby give 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 revoked at our risk and cost.

Date:

Place:

Signature of the Applicant
Mahesh Chandra Vasita (Partner)
M/s Mahadev Granite