

APPENDIX -I FORM-1

(I) BASIC INFORMATION

S. No.	Item	Details
1.	Name of the Project/s	Quartz, Feldspar & Mica Mineral Mining Project (M.L.No.-98/2018, Area – 1.6634 Ha.) Near village – Jamoli, Tehsil–Jahazpur, District – Bhilwara (Rajasthan).
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.	Production capacity is 73556 TPA (ROM) (Quartz-5721 TPA, Mica- 5721 TPA, Feldspar- 45768 TPA & 16346 TPA WASTE) Lease Area-1.6634 Hectare
4.	New/Expansion/Modernization/Existing	New Mining Project (LOI) This is new mining project (LOI). The LOI is sanctioned in favor of M/s MADHYUTA STONE MINES PVT.LTD, ADD: B-157, GANGA SAGAR, VAISHALI NAGAR, DISTRICT- JAIPUR (RAJ.) vide letter no. ADM/UDI-ZONE/MM/CC-II/BHIL/M.L-98/18/1877, dated 05/10/2018 Department of Mines & Geology, Govt of Rajasthan, Udaipur for the mineral Quartz, Feldspar & Mica, Area-1.6634 Ha. M.L.No. 98/2018, Located at N/v- Jamoli Tehsil– Jahazpur, District – Bhilwara (Rajasthan).
5.	Existing Capacity/Area etc.	It is new mine having area 1.6634 Ha.
6.	Category of Project i.e 'A' or 'B'	B2 “As Per EIA Notification Dated 14 September 2006 and Its Amendments till date”.
7.	Does it attract the general condition? If yes, please specify.	None
8.	Does it attract the specific condition? If yes, please specify.	Not Any
9.	Location of Villages and Khasra nos. with Area	N/v- Jamoli Tehsil– Jahazpur, District – Bhilwara (Rajasthan).
	Toposheet No.	45 O/02
	Village	Jamoli
	Tehsil	Jahazpur
	District	Bhilwara
	State	Rajasthan
10.	Nearest Railway Station/Airport along with distance in km.	Bundi Railway Station is nearest Railway Station, at a distance of ~ 47.80 km in SE direction from mine site. Udaipur Airport is at a distance of ~ 160.10 km in SW direction from mine site.
11.	Nearest Town, city, District Headquarters along with distance in km.	Nearest Town- Jahazpur nearest town at a distance of ~ 9.30 km in ENE direction from mine site. District Headquarter – Bhilwara at a distance of ~ 68 km in SW Direction from mine site.
12.	Village Panchayats, ZilaParishad, Municipal corporation, Local body (Complete Postal Address with telephone nos. to be given)	Village Panchayat–Jamoli Taluka– Jahazpur Nagar Parishad- Bhilwara
13.	Name of the Applicant	M/s MADHYUTA STONE MINES PVT.LTD
14.	Registered Address	ADD: B-157, GANGA SAGAR, VAISHALI NAGAR, DISTRICT- JAIPUR (RAJ.)
15.	Address for correspondence:	
	Name	Rakesh Jindal
	Designation (Owner/Partner/CEO)	Partner
	Address	ADD: B-157, GANGA SAGAR, VAISHALI NAGAR, DISTRICT- JAIPUR (RAJ.)

	Pin Code	302021
	E-mail	granitebhilwaragecb221@gmail.com
	Telephone	-
	Fax No.	-
16.	Details of Alternative Sites examined, if any, Location of these sites should be shown on a Toposheet.	The mineral is naturally occurring resource and this is a site specific project. Hence no alternative can be chosen.
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	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	None
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	Due to mining activities there will be void. Proposed mining would be confined to lease area only; no other area will be disturbed. At the end of 5 years period & at the end of life of mine, proposed development will be as under.

S.No.	Land use Category	Present	5th Year End of life	End of Life
1	Pits & Quarries	0.1595	0.9764	0.8232 (Water Reservoir)
2	Top Soil Dump	-	0.0807	-
3	OB Dumps	-	0.1719	0.4564 (Backfilled + Plantation)
4	Stake Yard	-	0.0088	-
5	Sub Grade Stack Yard	-	0.1118	-
6	Infrastructure	-	0.0156	0.01
7	Roads	-	0.0265	-
8	Railway	-	-	-
9	Backfilled/Reclaimed Area	-	-	-
10	Green Belt	-	0.1125	0.3738
11	Tailing Pond	-	-	-
12	Effluent Treatment Plant	-	-	-
13	Mineral Separation Plant	-	-	-
14	Township	-	-	-
15	Non Utilized	1.5039	0.1592	-
Total		1.6634	1.6634	1.6634

* Plantation will be done inside the lease area

1.2	Clearance of existing land, vegetation and buildings?	No	There will be no clearance of existing land and buildings. Only some bushes and shrubs will be cleared at the time of mining activity.
1.3	Creation of new land uses?	Yes	The excavated area will be 0.8232 Ha. at the end of life of mine which will be used as water reservoir and 0.4464 Ha. area is backfilled and used for plantation and 0.3738Ha. area would be used for Plantation. 33% Plantation will be done Inside the lease area.
1.4	Pre-construction investigations e.g. bore houses, soil testing?	No	None
1.5	Construction works?	No	None
1.6	Demolition works?	No	None
1.7	Temporary sites used for construction works or housing of construction workers?	No	None
1.8	Above ground buildings, structures or earth works including linear structures, cut and fill or excavations	No	None
1.9	Underground works including mining or tunneling?	No	No underground workings are proposed. Mining will be carried out by Semi-mechanized opencast method.
1.10	Reclamation works?	Yes	The excavated area will be 0.8232 Ha. at the end of life of mine which will be used as water reservoir and 0.4464 Ha. area is backfilled and used for plantation and 0.3738Ha. area would be used for Plantation. 33% Plantation will be done Inside the lease area.
1.11	Dredging?	No	Mining will not proposed in underwater so, no requirement of dredging at all.
1.12	Offshore structures?	No	Not Applicable
1.13	Production and manufacturing processes?	Yes	Production capacity is 73556 TPA (ROM) (Quartz-5721 TPA, Mica- 5721 TPA, Feldspar- 45768 TPA & 16346 TPA WASTE).
1.14	Facilities for storage of goods or materials?	Yes	Temporary storage facilities will be provided at the mine site at earmarked mineral stack.

1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	No	Solid mine waste will be generated during this mining project will be used in Road Maintenance or sale to end users after getting permission from State Government.
1.16	Facilities for long term housing of operational workers?	No	Workers from nearby villages will be employed hence housing facilities for operational workers are not warranted.
1.17	New road, rail or sea traffic during construction or operation?	No	Not Applicable
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 from ground or surface waters?	No	Total water will be required about 5.0 KLD. Source- tube wells/wells from nearby villages.
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 drainage are proposed.
1.24	Transport of personnel or materials for construction, operation or decommissioning?	Yes	Mineral will be transported in trucks by road to consumers. Workers will come from nearby villages on their conveyance.
1.25	Long-term dismantling or decommissioning or restoration works?	No	Not Applicable
1.26	Ongoing activity during decommissioning which could have an impact on the environment?	Yes	Afforestation will be carried out through plantation by planting every year. 33% Plantation will be done outside the lease area.
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 record the area is Non forest Land. Total lease area is 1.6634 Ha. comes under Private Land.
2.2	Water (expected source & competing users) unit: KLD	Yes	Total water will be required about 5.0 KLD. Source- tube wells/wells from nearby villages.
2.3	Minerals (MT)	Yes	Production capacity is 73556 TPA (ROM) (Quartz-5721 TPA, Mica- 5721 TPA, Feldspar- 45768 TPA & 16346 TPA WASTE).
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	Diesel Operated Mining Machinery is Used. Approx. 200 Liter HSD/Day is used.
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 proposed project of mining, status of people of nearby villages will certainly improve 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	Solid Mine waste will be used in road maintenance and filling low lying area.
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	Periodic maintenance of mine vehicle will be done. Emissions from combustion of fossil fuels will be caused by operation of tractors which will be well within the permissible limit & standards.
5.2	Emissions from production processes	Yes	Mining will generate dust and part of it will get released in air and will be controlled by adopting water sprinkling measures on haul road.
5.3	Emissions from materials handling including storage or transport	Yes	Emissions from loading of mineral in the trucks and tractor will be controlled by effective water sprinkling measures.
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	Yes	Dust emission is due to handling of mineral and transportation of mining machineries and vehicles, which will be controlled by good plantation and other mitigating measures such as water sprinkling, Wet drilling/dust collector.
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 and machineries deployed in the area. Precaution and regular maintenance of drills and excavator replacement of damaged/ worn out parts when even required will be taken. Ear plugs will be provided to the persons exposed to high noise level.
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 drilling	No	Not applicable
6.5	From construction or operational traffic	Yes	There is no construction proposed at mine. Only mining of mineral will be carried out. Noise generated in the area will be due to movement of mining machineries and transport vehicles.
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 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 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	No	No effluent will be discharged from mine. Mine is zero discharge unit.

	(expected mode and place of discharge)		
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 at mine site. Plantation will be carried out to control the pollution.
7.4	From any other sources	No	None
7.5	Is there a risk of long term buildup 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 safety measures will be observed strictly under MMR, 1961 & all other mining legislation.
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 III of seismic zone (Moderate Damage Risk Zone). There is no incidence of earthquake 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.: <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	<ul style="list-style-type: none"> ➤ Roads and transport facility will be improved due to frequently available of mine vehicles. ➤ Project proponent will organize regular medical 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	Production capacity is 73556 TPA (ROM) (Quartz-5721 TPA, Mica- 5721 TPA, Feldspar- 45768 TPA & 16346 TPA WASTE) and loading of mineral will be carried out trucks. Proposed green belt development near 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	No	The area is free from any disturbances. There is no industry or development projects in its close proximity.

	projects with similar effects		
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(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	River/Water Bodies	Water Body: Banas River at 2.20 km in SE Direction from mine site. RF/PF- ➤ RF at near village Chooti Bharni at 4.60 km in South direction from mine site. ➤ RF at near village Ramgarh at 3.20 km in NE direction from mine site. ➤ RF at near village Devpura at 5.70 km in SE direction from mine site. ➤ PF at near village Chhabriya at 7.1 km in SE direction from mine site. ➤ PF at near village Gerata at 7.20 km in South direction from mine site																		
3	Areas used by protected , important of sensitive species of flora or fauna for breeding, nesting foraging resting over wintering, migration	Yes	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	Densely populated or built-up area is village Jamoli is approx. 1.90 km in SE direction from the mine site. <table><tr><th>S. No.</th><th>Village Name</th><th>Distance & Direction</th></tr><tr><td>1</td><td>Jamoli</td><td>1.90 – SE</td></tr><tr><td>2</td><td>Jagannathpura</td><td>1.40 – SW</td></tr><tr><td>3</td><td>Odiyakhera</td><td>2.30 – SW</td></tr><tr><td>4</td><td>Rampura</td><td>3.30 – NE</td></tr><tr><td>5</td><td>Raghunathpura</td><td>3.40 - NE</td></tr></table>	S. No.	Village Name	Distance & Direction	1	Jamoli	1.90 – SE	2	Jagannathpura	1.40 – SW	3	Odiyakhera	2.30 – SW	4	Rampura	3.30 – NE	5	Raghunathpura	3.40 - NE
S. No.	Village Name	Distance & Direction																			
1	Jamoli	1.90 – SE																			
2	Jagannathpura	1.40 – SW																			
3	Odiyakhera	2.30 – SW																			
4	Rampura	3.30 – NE																			
5	Raghunathpura	3.40 - NE																			
9	Areas occupied by sensitive man-made land uses (hospitals, schools, places of worship, community facilities)	Yes	All facilities like hospitals, schools, places of worship, community are available at village Jamoli & Tehsil Jahazpur																		
10	Areas 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.	No	None																		

	<i>(those where existing legal environmental standards are exceeded)</i>		
12	Areas susceptible to natural hazard which could cause the project to present environmental problems <i>(earthquakes, subsidence, landslides, erosion, flooding or extreme or adverse climatic conditions)</i>	No	The area comes in seismic zone-III (Moderate Damage Risk Zone) of seismic zoning map of India & Rajasthan.

Date:

Place:

Signature of the Applicant

M/s MADHYUTA STONE MINES PVT.LTD