

**APPENDIX -I
FORM-1**

(I) BASIC INFORMATION

S.No.	Item	Details
1.	Name of the Project/s	Bajri Mineral Mining Project, Ref. No. 20191000010914 N/v- Kanana, Tehsil–Pachpadra, District–Barmer (Rajasthan), Lease area– 2.3 Ha. with Production capacity of 100500 TPA (ROM) By Sh. Bhim Singh & Sh. Tag Raj.
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 of Mine is 100500 TPA (ROM) Lease area– 2.3 Ha.
4.	New/Expansion/Modernization/Existing	New project
5.	Existing Capacity/Area etc.	New project
6.	Category of Project <i>i.e</i> 'A' or 'B'	B2 “As Per EIA Notification Dated 14 th September 2006 and its subsequent amendments till date”
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 of Villages and Khasra no with Area	Khasra No 891/412
	Toposheet No	45 C/5
	Village	Kanana
	Tehsil	Pachpadra
	District	Barmer
	State	Rajasthan
10.	Nearest Railway Station/Airport along with distance in km.	Balotra Railway Station (~15km)
11.	Nearest Town, city, District Headquarters along with distance in km.	Nearest Town- Pachpadra
12.	Village Panchayats, ZilaParishad, Municipal corporation, Local body (Complete Postal Address with telephone nos. to be given)	Village Panchayat– Kanana
13.	Name of the Applicant	1. Sh. Bhim Singh S/o Sh Nane Singh rajpurohit R/o V/P Kanana, tehsil Pachpadra, Dist Barmer (Rajasthan) & 2. Sh. Tag Raj S/o Sh Lacha Ji Rajpurohit R/o- V/P Kanana, tehsil Pachpadra, Dist Barmer (Rajasthan)
14.	Registered Address	1. Sh. Bhim Singh S/o Sh Nane Singh rajpurohit R/o V/P Kanana, tehsil Pachpadra, Dist Barmer (Rajasthan) & 2. Sh. Tag Raj S/o Sh Lacha Ji Rajpurohit R/o- V/P

		Kanana, tehsil Pachpadra, Dist Barmer (Rajasthan)
15.	Address for correspondence:	
	Name	1. Sh. Bhim Singh S/o Sh Nane Singh rajpurohit R/o V/P Kanana, tehsil Pachpadra, Dist Barmer (Rajasthan) & 2. Sh. Tag Raj S/o Sh Lacha Ji Rajpurohit R/o- V/P Kanana, tehsil Pachpadra, Dist Barmer (Rajasthan)
	Designation (Owner/Partner/CEO)	Partner
	Address	1. Sh. Bhim Singh S/o Sh Nane Singh rajpurohit R/o V/P Kanana, tehsil Pachpadra, Dist Barmer (Rajasthan) & 2. Sh. Tag Raj S/o Sh Lacha Ji Rajpurohit R/o- V/P Kanana, tehsil Pachpadra, Dist Barmer (Rajasthan)
	Pin Code	-
	E-mail	-
	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	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	None
22.	Whether there is any Government Order/Policy relevant? Relating to the site?	None
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)	No	Due to mining activity there will be voids generated at the end of 5 years. Total 1.85 Ha area will be excavated which will be converted in to water reservoir. Plantation will be carried Inside the lease area in 0.76 Ha. Area which is 33% of the Lease area.
1.2	Clearance of existing land, vegetation and buildings?	No	This is aNew project.
1.3	Creation of new land uses?	No	This is anew project.
1.4	Pre-construction investigations e.g. bore houses, soil testing?	No	Not Applicable
1.5	Construction works?	No	Not Applicable
1.6	Demolition works?	No	Not Applicable
1.7	Temporary sites used for construction works orhousing of construction workers?	No	Not Applicable
1.8	Above ground buildings, structures orearthworks including linear structures, cut andfill 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 Semi-mechanizedopencast method.
1.10	Reclamation works?	No	Not Applicable
1.11	Dredging?	No	Not Applicable
1.12	Offshore structures?	No	Not Applicable
1.13	Production and manufacturing processes?	Yes	Production capacity of Mine is 100500 TPA(ROM).
1.14	Facilities for storage of goods or materials?	Yes	Temporary storage facilities will be provided at the mine site.
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	No	Solid waste generated will be utilized in haul road maintenance.
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	No	Not Applicable

	transport routes or infrastructure leading to changes in traffic movements?		
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?	No	Total water requirement for pollution control measures for Mining activities will be 2.0 KLD. Source- water Tanker Supply from tube wells/wells nearby villages.
1.23	Changes in water bodies or the land surface affecting drainage or run-off?	No	Not Applicable
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 inside 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	No
2.2	Water (expected source & competing users) unit: KLD	Yes	Total water requirement for pollution control measures for Mining activities will be 2.0 KLD. Source- water Tanker Supply from tube wells/wells nearby villages.
2.3	Minerals (MT)	No	None
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	Yes	100 litre/day; HSD fuel will be used

	fuels (source, competing users) Unit: fuel (MT), energy (MW)		
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.

SNo.	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	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	Yes	Solid waste generated will be utilized in haul road maintenance.
4.2	Municipal waste (domestic and or commercial wastes)	Yes	The domestic effluent shall be disposed of into soak pit through septic tank.
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 <ul style="list-style-type: none"> Water spraying arrangements shall be installed and operated at all strategic locations All vibratory screens shall be totally enclosed in rigid and reasonably dust tight housing The stockpiles will be suitably covered Paved haul road will be maintained with regular water sprinkling to control fugitive dust.
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
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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 (expected mode and place of discharge)	No	No effluent will be discharged from 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 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	No	The lease area falls in Zone II of seismic zone (Low

natural disasters causing environmental damage (e.g. Floods, earthquakes, landslides, cloudburst etc)?	Damage Risk Zone). There is no incidence of earthquake reported so far.
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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. ➤ 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	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 projects with similar effects	No	The area is free from any disturbances.

(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,	Yes	<ul style="list-style-type: none"> • Luni River (~0.1 km in South)

	biospheres, mountains, forests		
3	Areas used by protected , important of 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	Kanana Village
9	Areas occupied by sensitive man-made land uses (<i>hospitals, schools, places of worship, community facilities</i>)	Yes	Kanana Village
10	Areas containing important, high quality or scarce resources (<i>ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals</i>)	No	None
11	Areas already subjected to pollution or environmental damage. (<i>those where existing legal environmental standards are exceeded</i>)	No	None
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 Zone II of seismic zone (Low Damage Risk Zone)of seismic zoning map of India & Rajasthan.

"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: Jaipur

Signature of the Applicant
(Authorized Signatory)