

APPENDIX- I

Form-1 Basic Information

Mineral ~ Marble

Q.L. No. ~ 165/1

Lease Area ~ 0.1486Ha.

Project Cost ~ 10 Lakh

Near Villages ~ Gunawati Range, Makrana

Tehsil ~ Makrana

District ~ Nagaur

(Rajasthan)

|| PROJECT PROPONENT ||

Shri Mohd. Yakub & Others,
R/o - Markana, Dist Nagaur, Rajasthan

E-mail- mohd.yakub165@gmail.com

MKG

MUKESH KUMAR GUPTA
RQP. No.
SME/JP/RQP/2015/07



**APPENDIX -I
FORM-1**

(I) BASIC INFORMATION

S.No.	Item	Details
1.	Name of the Project/s	Marble Mining Project (Q.L No 165/1 Area – 0.1486 Ha) N/v- Gunawati Range, Makrana Tehsil- Makrana, District – Nagaur (Rajasthan) of Shri Mohd. Yakub & Others,
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.	Proposed production of Marble @ 3000 TPA(ROM) Mine Lease Area 0.1486Ha.
4.	New/Expansion/Modernization	Existing Project
5.	Existing Capacity/Area etc.	Not applicable
6.	Category of Project i.e 'A' or 'B'	B2 "As Per Moef Notification New Delhi S.O. 2269 (E) Dated 1 July, 2016", this project fall under category "B2".
7.	Does it attract the general condition? If yes, please specify.	Does not attract the general condition.
8.	Does it attract the specific condition? If yes, please specify.	Not Any
9.	Location of Villages and Khasra nos. with Area	N/v- Gunawati Range, Makrana Tehsil- Makrana, District – Nagaur (Rajasthan)
	Toposheet No.	45I/12
	Village	Gunawati Range, Makrana
	Tehsil	Makrana
	District	Nagaur
	State	Rajasthan
10.	Nearest Railway Station/Airport along with distance in km.	Makrana Railway Station is nearest Railway Station, at a distance of ~ 1.80 km in NE direction from mine site. Jaipur Airport is at a distance of ~ 110 km in SE direction from mine site.
11.	Nearest Town, city, District Headquarters along with distance in km.	Makrana is nearest town at a distance of ~ 1.80 km in NE direction from mine site. Nagaur is nearest city and District headquarter at a distance of ~ 70.70km in NNW direction from mine site.
12.	Village Panchayats, ZilaParishad, Municipal corporation, Local body (Complete Postal Address with telephone nos. to be given)	Makrana nearest town at a distance of ~ 1.80 km in NE direction from mine site.
13.	Name of the Applicant	Shri Mohd. Yakub & Others.
14.	Registered Address	R/o- Makrana, Tehsil – Makrana, Dist Nagaur Rajasthan
15.	Address for correspondence:	
	Name	Mohammad Salim S/o Mohd Ismail
	Designation(Owner/Partner/CEO)	Partner
	Address	R/o- Hathai Masjid Ki Pass Mohalla Kayta, Makrana, Tehsil Makrana, Distt.- Nagaur Raj.341505
	Pin Code	341505
	E-mail	mohd.yakub165@gmail.com

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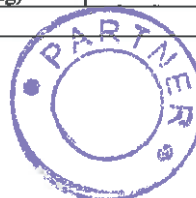
	Telephone	--
	Fax No.	-
16.	Details of Alternative Sites examined, if any, Location of these sites should be shown on a Toposheet.	Marble is naturally occurring resource and this is a site specific project. Hence no alternative can be chosen.
17.	Interlinked Projects	None
18.	Whether separate application of interlinked project has been submitted?	None
19.	If yes, date of submission	Not applicable
20.	If no, reason	-
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.)

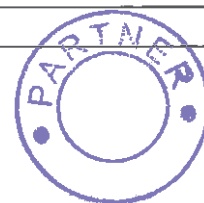
S.No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data																																																										
1.1	Permanent or temporary change in land use, land cover or topography including increase in intensity of land use (with respect to local land use plan)	Yes	<p>Due to mining activities there will be creation of void, due to excavation of mineral. Proposed mining would be confined to lease area only; no other area will be disturbed.</p> <p>At the end of 5 years period & at the end of life of mine, proposed development will be as under:</p> <table border="1"> <thead> <tr> <th>S. No</th> <th>Land use Category</th> <th>Present</th> <th>5th Year</th> <th>End of life of mine</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Top Soil Dump</td> <td>Nil</td> <td>Nil</td> <td>Nil</td> </tr> <tr> <td>2</td> <td>Waste Dump</td> <td>Nil</td> <td>Nil</td> <td>Nil</td> </tr> <tr> <td>3</td> <td>Excavation (Voids Only)</td> <td>0.110</td> <td>0.110</td> <td>0.110</td> </tr> <tr> <td>4</td> <td>Road</td> <td>Nil</td> <td>Nil</td> <td>Nil</td> </tr> <tr> <td>5</td> <td>Built Up Area</td> <td>Nil</td> <td>Nil</td> <td>Nil</td> </tr> <tr> <td>6</td> <td>Township Area</td> <td>Nil</td> <td>Nil</td> <td>Nil</td> </tr> <tr> <td>7</td> <td>Afforestation</td> <td>Nil</td> <td>0.5*(0.0386Ha) Will be inside the lease area)</td> <td>0.5*(0.0386Ha) Will be inside the lease area)</td> </tr> <tr> <td>8</td> <td>Reclamation (Backfilled)</td> <td>Nil</td> <td>Nil</td> <td>Nil</td> </tr> <tr> <td>9</td> <td>Mineral Storage</td> <td>Nil</td> <td>Nil</td> <td>Nil</td> </tr> <tr> <td>10</td> <td>Processing (Crushing)</td> <td>Nil</td> <td>Nil</td> <td>Nil</td> </tr> </tbody> </table>				S. No	Land use Category	Present	5 th Year	End of life of mine	1	Top Soil Dump	Nil	Nil	Nil	2	Waste Dump	Nil	Nil	Nil	3	Excavation (Voids Only)	0.110	0.110	0.110	4	Road	Nil	Nil	Nil	5	Built Up Area	Nil	Nil	Nil	6	Township Area	Nil	Nil	Nil	7	Afforestation	Nil	0.5*(0.0386Ha) Will be inside the lease area)	0.5*(0.0386Ha) Will be inside the lease area)	8	Reclamation (Backfilled)	Nil	Nil	Nil	9	Mineral Storage	Nil	Nil	Nil	10	Processing (Crushing)	Nil	Nil	Nil
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			11	Undisturbed Area	0.0386	Nil	Nil
				Total	0.1486	0.1486	0.1486
			*Afforestation will be done on *0.5 Ha. area is outside the lease area.				
1.2	Clearance of existing land, vegetation and buildings?	No	There is no significant vegetation at mine site. However at the time of mining, some bushes and shrubs will be cleared.				
1.3	Creation of new land uses?	Yes	At the end of mining total excavated area will be 0.110 Ha., which will be converted into a water reservoir 0.5Ha. area will be used for plantation. Plantation will be carried out outside the lease area. This will improve the aesthetic beauty of the surrounding area. The water reservoir will help to recharge the ground water table of the area.				
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 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 Semi-mechanized open-cast method.				
1.10	Reclamation works?	Yes	At the end of mining total excavated area will be 0.110 Ha., which will be converted into a water reservoir 0.5Ha. area will be used for plantation. Plantation will be carried out outside the lease area. This will improve the aesthetic beauty of the surrounding area. The water reservoir will help to recharge the ground water table of the 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	Proposed production of Marble @ 3000 TPA(ROM)				
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?	Yes	Total 2400MT mineral waste and overburden generated during the five year				
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				

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1.22	Abstraction or transfers of water from ground or surface waters?	No	Total water will be required about 3.0 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 tippers & 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	There is no proposal of dismantling or decommissioning of proposed project.
1.26	Ongoing activity during decommissioning which could have an impact on the environment?	Yes	Afforestation will be carried out through plantation i.e 0.5ha. The total plantation proposed during 5 years lease period will be 200 plants.
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

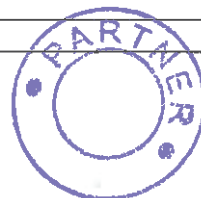
2. Use of Natural resources for construction or operation of the Project (such as land, water, materials or energy, especially any resources which are non-renewable or in short supply):

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	Total lease area is 0.1486Ha. Comes under Govt. Waste Land.
2.2	Water (expected source & competing users) unit: KLD	Yes	Total water will be required about 3.0 KLD. Source -tube wells/wells from nearby villages.
2.3	Minerals (MT)	Yes	Proposed production of Marble @ 3000 TPA(ROM).
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	Total 2400MT mineral waste and overburden generated during the five year
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

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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	Total 2400MT mineral waste and overburden generated during the five year
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 Jib crane and 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 etc.
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

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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. Thick plantation in lease to abate the noise pollution at some extent.
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 unit.
7.3	By deposition of pollutants emitted to air into the land or into water	No	Particulate matter emitted to air will be kept minimum and 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 II of seismic zone (Moderate Damage Risk Zone). There is no incidence of earthquake reported so far.

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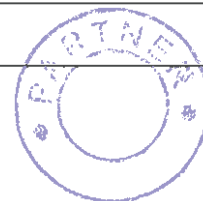
9. Factors which should be considered (such as consequential development) which could lead to environmental effects or the potential for cumulative impacts with other existing or planned activities in the locality

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. ➤ 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	Mining of mineral is proposed with rated capacity of 3000 TPA(ROM) and to obtain this loading of mineral will be carried out tippers. 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/Id entity	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	Not applicable
2	Areas which are important or sensitive for ecological reasons-Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests	Yes	RF/PF:- PF- 11.0km, S Bulda Dunger RF-12.45km, E PF-4.32km, SSE PF-14.18km, ESE PF-11.51km, ESE Water Body : Palara Nadi- 11.0km, ENE
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,	No	None

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	pilgrim areas		
7	Defense installations	No	None
8	Densely populated or built-up area	Yes	Makrana village at 1.80 km in NE direction from mine site.
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 Makrana village at 1.80 km in NE direction from mine site.
10	Areas containing important, high quality or scarce resources (ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals)	Yes	Water Body : Palara Nadi- 11.0km, ENE
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 (Moderate Damage Risk Zone) of seismic zoning map of India & Rajasthan.


(IV) PROPOSED TERMS OF REFERENCE FOR EIA STUDIES

As per MOEF Notification S.O. 2269 (E), Dated 1st July, 2016 (Total lease area < 5.0 Ha.). This project comes under category B-2 as the total lease area is 0.1486Ha and there will be negligible impact on surrounding environment thus ToR may not be applicable. Therefore we request you to kindly consider our case as B-2 and grant environment clearance for project.

UNDERTAKING

“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:


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Signature of the Partner


Muhammad Salim