

APPENDIX I

(See paragraph - 6)

FORM 1

(I) Basic Information

Sr. No.	Item	Details
1.	Name of the project	Khitaula Murom Quarry (M.L. Area 1.26Hect.) Rinku Keshwani, Vill. - Khitaula, Teh.- Sihora , Dist.-Jabalpur (M.P.). With production capacity 13871m3
2.	Sr. 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	13871m3 Per Annum of Morrum Mine Mining Lease for 2 Year Lease area 1.260 Hect., Kh. No.- 287/1 At Vill.- Khitaula, , Teh.- Sihora , Dist. Jabalpur (M.P.)
4.	New/Expansion/Modernization	New
5.	Existing Capacity/ Area	Nil
6.	Category of project A or B	B
7.	Does it attract the general condition? If Yes please specify	N.A. Proposed project does not located in whole or in part within 10 km from the boundary of: (i) Protected Areas notified under the Wild Life (Protection) Act, 1972, (ii) Critically Polluted areas as notified by the Central Pollution Control Board from time to time, (iii)Notified Eco-sensitive areas, (iv) Inter-State boundaries and international boundaries.
8.	Does it attract the specific condition? If Yes please specify	NA-
9.	Location Plot/survey/Khasara no. Village Tehsil District State	Khasra No. 287/1 Khitaula, Sihora Jabalpur M.P.
10.	Nearest railway station/airport along with distance in km	Sihora - 12 Km. Jabalpur Airport - 50Km.
11.	Nearest Town	Khitaula, -2Km

	City District Headquarter	Sihora - 12 Km. Jabalpur - 38 Km.
12	Village Panchayat/Zila Parisad/Municipal Corporation/local Body	Village Panchayat- Khitaula,
13	Name of the Applicant	Rinku Keshwani
14	Registered add	Rinku Keshwani Village Sihora Tahsil Sihora District:- Jabalpur r (MP)
15	Add for correspondence Pin Code Name Designation (Owner/partner/CEO) Address Pin Code E Mail Telephone No.	Rinku Keshwani Village Sihora Tahsil Sihora District:- Jabalpur (MP) Pin: 482002 Rinku Keshwani Lease Owner Village Sihora Tahsil Sihora District:- Jabalpur r (MP) Pin: 482002 8319746188
16	Details of alternative site examined, if any, Location of these sites should be shown on a Topo sheet	It is a Specific Project for quarrying of Soil/Morrum Khasra No. – 287/1 At Vill.- Khitaula, , Teh.- Sihora , Dist.- Jabalpur (M.P.)
17	Interlinked Project	It is a Specific Project for quarrying of Morrum
18	Whether separate application of interlinked project has been submitted	N.A.
19	If Yes date of submission	N.A.
20	If no reason	N.A.
21	Whether the proposal involves approval/clearance under, if yes details of the same The forest conservation act 1980 a. The wildlife protection act 1972 b. The CRZ notification 1991	No
22	Whether there is any Govt. order/Policy relevant/relating to the site	No
23	Forest land involved	No
24	Whether there is any litigation pending	No

	against the project and/or land in which the project is propose to be set up a. Name of court b. Case No c. Order/direction of the court, if any and its relevance with the proposed project	
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(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	The topography of the core zone will be changed due to the mining operation in the form of mining pits, surface dumps, haulage roads infrastructure facilities, etc.
1.2	Clearance of existing land, vegetation and buildings?	No	The lease area is Government waste land.
1.3	Creation of New land uses?	Yes	It will be used in mining and related activities.
1.4	Pre-construction investigations e.g. bore houses, soil testing?	No	N.A
1.5	Construction works?	No	N.A
1.6	Demolition works?	No	N.A
1.7	Temporary sites used for construction works or housing of construction workers?	No	N.A
1.8	Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations	No	N.A
1.9	Underground works including mining or tunneling?	No	N.A
1.10	Reclamation works?	Yes	Water Reservoir and afforestation
1.11	Dredging?	No	N.A
1.12	Offshore structures?	No	N.A

1.13	Production and manufacturing processes?	Yes	Excavation of clay
1.14	Facilities for storage of goods or materials?	No	Temporary stacking of stones, OB soil and mine waste will be done in predetermined areas. Tools and equipments will be stored in store room.
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	No	Most of the workers will be employed from nearby villages. Hence long term housing facility are not involved
1.16	Facilities for long term housing of operational workers?	No	NA
1.17	New road, rail or sea traffic during construction or operation?	No	NA
1.18	New road, rail, air waterborne or other transport infrastructure including New or altered routes and stations, ports, airports etc?	No	NA
1.19	Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?	No	NA
1.20	New or diverted transmission lines or pipelines?	No	NA
1.21	Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	No	NA
1.22	Stream crossings?	No	NA
1.23	Abstraction or transfers of water form ground or surface waters?	No	NA
1.24	Changes in water bodies or the land surface affecting drainage or run-off?	No	NA
1.25	Transport of personnel or materials for construction, operation or decommissioning?	Yes	With private vehicles of the applicant/contractors.
1.26	Long-term dismantling or decommissioning or restoration works?	Yes	Part of the mined out area will be reclaimed and rehabilitated by way of afforestation.
1.27	Ongoing activity during decommissioning which could have an impact on the environment?	No	NA

1.28	Influx of people to an area in either temporarily or permanently?	yes	For employment and for business opportunities.
1.29	Introduction of alien species?	No	NA
1.30	Loss of native species or genetic diversity?	No	NA
1.31	Any other actions?	No	NA

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-Newable or in short supply):

S. No.	Information/checklist confirmation	Yes/ No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
2.1	Land especially undeveloped or agricultural land (ha)	Yes	Government Waste land
2.2	Water (expected source & competing users) unit: KLD	No	Water is required for domestic use. Qty 500 L for dust suppression 5.5 kld
2.3	Minerals (M3/t)	Yes	13871m3 Per Annum
2.4	Construction material - stone, aggregates, sand / soil (expected source - MT)	No	NA
2.5	Forests and timber (source - MT)	No	NA
2.6	Energy including electricity and fuels (source, competing users) Unit: fuel (MT), energy (MW)	No	NA
2.7	Any other natural resources (use appropriate standard units)	No	NA

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
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	NA

3.2	Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)	No	NA
3.3	Affect the welfare of people e.g. by changing living conditions?	Yes	Improvement in the socio economic conditions of the nearby villages.
3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.,	No	NA
3.5	Any other causes	No	

3. 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	Spoil, overburden or mine wastes	No	NA
4.2	Municipal waste (domestic and or commercial wastes)	yes	Very less (meager) quantity.
4.3	Hazardous wastes (as per Hazardous Waste Management Rules)	No	NA
4.4	Other industrial process wastes	No	NA
4.5	Surplus product	No	NA
4.6	Sewage sludge or other sludge from effluent treatment	No	Domestic effluent will be discharged in septic tanks/soak pit.
4.7	Construction or demolition wastes	No	NA
4.8	Redundant machinery or equipment	No	NA
4.9	Contaminated soils or other materials	No	NA
4.10	Agricultural wastes	No	NA
4.11	Other solid wastes	No	NA

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
5.1	Emissions from combustion of fossil fuels from stationary or mobile sources	No	N. A.
5.2	Emissions from production processes	Yes	Particulate matter emissions (dust) from mining and transportation.
5.3	Emissions from materials handling including storage or transport	No	NA
5.4	Emissions from construction activities	No	NA

	including plant and equipment		
5.5	Dust or odors from handling of materials including construction materials, sewage and waste	No	The mining activities may cause increase in PM levels locally. The impact will be reversible, marginal and temporary in nature. Dust suppression will be done by sprinkling of water. However, there will be no odor generation.
5.6	Emissions from incineration of waste	No	N.A
5.7	Emissions from burning of waste in open air (e.g. slash materials, construction debris)	No	N.A
5.8	Emissions from any other sources	No	N.A

6.0 Generation of Noise and Vibration, and Emissions of Light and Heat:

S. No.	Information/Checklist confirmation	Yes/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	Yes	From transportation of vehicles
6.2	From industrial or similar processes	No	NA
6.3	From construction or demolition	No	NA
6.4	From blasting or piling	No	NA
6.5	From construction or operational traffic	Yes	Marginal increase in noise level due to transportation of mineral. Meager noise can be anticipated from the traffic. Measures shall be taken to control noise with proper preventive maintenance and lubrications no vehicles.
6.6	From lighting or cooling systems	No	NA
6.7	From any other sources	No	NA

7.0 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	No hazardous material storage or handling is envisaged.
7.2	From discharge of sewage or other effluents to water or the land (expected mode and place of discharge)	No	It will be a Zero discharge mine. Domestic effluent will be discharged in septic tanks/ soak pits. Surface run off will be collected in series of settling ponds and mined out pits. No effluent will be discharged from the mine lease area.
7.3	By deposition of pollutants emitted to air into the land or into water	No	Not envisaged

7.4	From any other sources	No	Not envisaged
7.5	Is there a risk of long term build up of pollutants in the environment from these sources?	No	Not envisaged

8.0 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	NA
8.2	From any other causes	Yes	Vehicles movement
8.3	Could the project be affected by natural disasters causing environmental damage (e.g. floods, earthquakes, landslides, cloudburst etc)?	No	As per the Bureau of Indian Standards (BIS) map, Madhya Pradesh falls under seismic zone II & III

9.0 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	<ul style="list-style-type: none"> • Lead to development of supporting, utilities, 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 	No	NA
9.2	Lead to after-use of the site, which could have an impact on the environment	No	The lease area will be developed in to agriculture, and partly developed into afforested area at the conceptual stage.
9.3	Set a precedent for later developments	No	NA

9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects	No	NA
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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	None	N.A
2	Areas which are important or sensitive for ecological reasons - Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests	No	NA
3	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration	No	NA
4	Inland, coastal, marine or underground waters	No	NA
5	State, National boundaries	No	NA
6	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	No	NA
7	Defence installations	No	NA
8	Densely populated or built-up area	No	Village Khitaula, 2 Km. from the site.
9	Areas occupied by sensitive man-made land uses (<i>hospitals, schools, places of worship, community facilities</i>)	No	NA
10	Areas containing important, high quality or scarce resources (<i>Ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals</i>)	No	NA
11	Areas already subjected to pollution or environmental damage. (<i>Those</i>	No	NA

	<i>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	As per the Bureau of Indian Standards (BIS) map, Madhya Pradesh falls under seismic zone II & III

I hereby given undertaking that the data and information given in the application and enclosures are true to best of my knowledge and behalf and I am aware that if any part of 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.

(Signature of applicant with name & Full address)

Rinku Keshwani

Village Sihora Tahsil Sihora

District:- Jabalpur r (MP)

Mobile No. 8319746188

APPENDIX VIII

Form 1 M

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

(I) Basic Information

S.No.	Particulates	Details
1.	Name of the Mining Lease site	Khitaula, Murom Quarry (M.L. Area 1.260 Hect.) Rinku Keshwani, Vill. - Khitaula, Teh.- Sihora , Dist.-Jabalpur r(M.P.).
2.	Location/ site (GPS Coordinates)	Latitude: N- 23 ⁰ 24'58.92" to N-23 ⁰ 24'55.03" Longitude:E-80 ⁰ 02' 38.38" to E- 80 ⁰ 02' 44.12"
3.	Size of the Mining Lease (Hectare)	1.260 ha
4.	Capacity of Mining Lease (TPA)	13871m ³
5.	Period of Mining Lease	2years
6.	Expected cost of the project	Rs. 2 Lacs
7.	Contact Information	Rinku Keshwani Village Sihora Tahsil Sihora District:- Jabalpur r (MP) Pin: 482002 Mobile No. 8319746188

(II) Environmental Sensitivity

S.No.	Areas	Distance in kilometer/ Details
1.	Distance of project site from nearest rail or road bridge over the concerned River, Rivulet, Nallah etc.	Sihora situated at 10km distance.
2.	Distance from infrastructural facilities:-	
	Railway line.	Sihora situated at 10km distance.
	National Highway	Sihora- Jabalpur r PWD is present at 15 km

		distance from lease area
	State Highway	N.A.
	Major District Road	N.A.
	Electric transmission line pole or tower	Power line Approx-1.6 Kms West Power line Approx-1.2 Kms East
	Canal or check dam or reservoirs or lake or ponds	Heran river Approx-1.5 Kms Towards SE
	In-take for drinking water pump house	N.A.
	Intake for Irrigation canal pumps	N.A.
3.	Areas protected under international conventions, national or legislation for their ecological, landcaps, cultural or other related value.	No such area is located within the 15 km radius of the mining lease area.
4.	Areas which are important or sensitive for ecological reasons- Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests.	Heran Towards SE river Approx-1.5 Kms
5.	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, over wintering, migration.	Heran Towards SE river Approx-1.5 Kms
6.	Inland, coastal, marine or underground waters	No such area is located within the 15 km radius of the mining lease area.
7.	State, National boundaries	NA
8.	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	NH-7 Approx Approx-1.26 Kms Towards W
9.	Defense installations	None
10.	Densely populated or built- up area, distance from nearest human habitation	Chhitaphal Approx-2.5 Kms
11.	Areas occupied by sensitive man-made lands uses (hospitals, schools, places of worship, community facilities)	All facilities are available in Chhitaphal Approx-2.5 Kms
12.	Areas containing important, high quality or scarce resources (ground water resources, surface resources, forestry, agriculture, fisheries, tourism,	Same as item No.-4

	minerals)	
13.	Areas already subjected to pollution or environmental damage.(those where existing legal environmental standards are exceeded)	The area is not subjected to the Pollution or environmental damage.
14.	Areas susceptible to natural hazard which could cause the project to present environmental standards problems (earthquakes, subsidence, landslides, erosion, flooding or extreme or adverse climatic conditions)	Seismic Zone-IV
15.	Is proposed mining site located cover or near fissure / fracture for ground water recharge	No
16.	Whether the proposal involves approval or clearance under the following Regulation or Acts, namely:- (a) The Forest (Conservation) Act, 1980; (b) The Wildlife (Protection)Act, 1972; (c) The Coastal Regulation Zone Notification, 2011. If yes, details of the same and their status to be given.	All three are not applicable
17.	Forest land involved (hectares)	Nil
18.	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 or directions of the Court, if any, and its relevance with the proposed project.	No litigation pending against the Project.

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

Rinku Keshwani

R/o707,Sarafa ward,Kamaniya,
Jabalpur,District:- Jabalpur (MP)

Pin: 482002

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