

**APPENDIX I**  
(See paragraph – 6)  
**FORM 1**

**(I) Basic Information**

<b>S. No.</b>	<b>Item</b>	<b>Details</b>
1.	Name of the project	<b>Khajuri Murrum Mining Quarry</b> <b>Area - 4.000 ha,parts</b>
2.	Sr. No. in the Schedule	<b>2 (b)</b>
3.	Proposed capacity/area/length/tonnage to be handles / command area/lease area/number of wells to be drilled	<b>Lease Area – 4.000 ha, part</b> <b>Proposed Capacity – 10,000 m<sup>3</sup> /year</b> <b>(Ten thousand cubic meter /year)</b> <b>Mineral – Murrum Deposit Quarry (Minor Mineral)</b>
4.	New/Expansion/Modernization	<b>New</b>
5.	Existing Capacity/ Area	<b>NA</b>
6	Category of project A or B	<b>B sub category B-2</b>
7.	Does it attract the general condition? If Yes please specify	<b>No</b>
8	Does it attract the specific condition? If Yes please specify	<b>No</b>
9.	Location Plot/survey/Khsara no Village Tehsil District State	<b>GPS - Lat. 23°23'20.58"N, Long. 77°22'49.63"E</b> <b>Khasra No. 412 Parts</b> <b>Village – Khajuri, Tahsil – Huzur,</b> <b>Dist. - Bhopal (M.P)</b>
10.	Nearest railway station/airport along with distance in km	<b>Bhopal Railway Station – 13.90 km S</b> <b>Bhopal Airport – 11.80 km SW</b> <b>NH – 12, 5.90 km S</b>
11	Nearest Town City/District Headquarter	<b>Bhopal – 14.75 km S</b> <b>Bhopal - 14.75 km S</b>
12	Village Panchayat/Zila Parisad/Municipal Corporation/local Body	<b>Village – Khajuri 1.50 km S</b>
13	Name of the Applicant	<b>Shri Rishab Pachauri</b>
14	Registered add	<b>Address – R/o Pachauri Complex Pipal</b> <b>Chauraha Bairasiya Road Karond ,</b> <b>District - Bhopal (M.P.)</b>
15	Add for correspondence Pin Code Name Designation (Owner/partner/CEO) Address Pin Code E Mail Telephone No/Fax No	<b>Address – R/o Pachauri Complex Pipal</b> <b>Chauraha Bairasiya Road Karond ,</b> <b>District - Bhopal (M.P.)</b>
16	Details of alternative site examined, if any,	<b>As it is specific project site, no alternate site</b>

	Location of these sites should be shown on a Toposheet	<b>is proposed</b>
17	Interlinked Project	<b>Block Murrum</b>
18	Whether separate application of interlinked project has been submitted	<b>No,</b>
19	If Yes date of submission	<b>No</b>
20	If no reason	<b>No</b>
21	Whether the proposal involves approval/clearance under, if yes details of the same a. The forest conservation act 1980 b. The wildlife protection act 1972 c. The CRZ notification 1991	<b>No</b>
22	Whether there is any Govt. order/Policy relevant/relating to the site	<b>No</b>
23	Forest land involved	<b>No</b>
24	Whether there is any litigation pending against the project and/or land in which the project is propose to be set up Name of court a. Case No b. Order/direction of the court, if any and its relevance with the proposed project	<b>No</b>

## (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)	<b>Yes,</b>	<b>Topographically the sanctioned area is part of hillock, flattering towards north either side, highest elevation of the area is RL 533m. In east part of the area, whereas lowest elevation of the area is 521m in west side of the area. Elevation difference between lowest and highest elevation is about 527m.</b>
1.2	clearance of existing land, vegetation and	<b>No</b>	<b>No vegetation is found on the lease area.</b>
1.3	Creation of new land uses?	<b>Yes</b>	<b>The waste land will be used for Excavation of stone.</b>
1.4	re-construction investigations e.g. borehole houses, soil testing?	<b>No</b>	

			<b>for labors/workers.</b>
1.6	Demolition works?	No	
1.7	Temporary sites used for construction works or housing of construction workers?	Yes	<b>Temporary hutments of 5 Nos will be made for site workers.</b>
1.8	Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations	yes	<b>The excavation will be carried out for mining activity, the depth of mine will be approx. 9 m i.e. RL 533m</b>
1.9	Underground works including or tunneling?	No	<b>It's an open cost mining project.</b>
1.10	Reclamation works?	No	
1.11	Dredging?	No	<b>Mining will be done on the waste land only.</b>
1.12	Offshore structures?	No	<b>NA</b>
1.13	Production and manufacturing processes?	Yes	<b>Production Capacity: Capacity – 10,000 cum / year Minerals: Murrum Process: semi mechanized Open Cast mining</b>
1.14	Facilities for storage of goods or materials?	Yes	<b>Mineral storage facility will be provided in the lease area only on the designated place.</b>
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	No	<b>Solid waste in form of copra and soil shall be dumped in the lease area as per mining plan. No liquid effluent shall be generated during mining operation.</b>
1.16	Facilities for long term housing of operational workers?	No	<b>Most of the workers will be employed from Local village. Hence, housing facilities are not involved, only rest shelters will be provided.</b>
1.17	New road, rail or sea traffic during construction or operation?	No	<b>note required</b>
1.18	New road, rail, air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc?	No	<b>not required</b>
1.19	Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?	No	<b>not required</b>
1.20	New or diverted transmission lines or pipelines?	No	<b>not required</b>
1.21	Impoundment, damming, culver ting, realignment or other changes to the hydrology of watercourses or aquifers?	No	<b>not required</b>
1.22	Stream crossings?	No	<b>NA</b>
1.23	Abstraction or transfers of water form ground or surface waters?	Yes	<b>Ground water, 8.0 kld per day</b>
1.24	Changes in water bodies or the land surface affecting drainage or run-off?	No	<b>NA</b>

1.25	Transport of personnel or materials for construction, operation or decommissioning?	No	<b>Minerals shall be transported through trucks / dumpers.</b>
1.26	Long-term dismantling or decommissioning or restoration works?	No	<b>NA</b>
1.27	Ongoing activity during decommissioning which could have an impact on the environment?	No	<b>NA</b>
1.28	Influx of people to an area in either temporarily or permanently?	<b>Yes</b>	<b>Temporarily</b>
1.29	Introduction of alien species?	No	<b>NA</b>
1.30	Loss of native species or genetic diversity?	No	<b>The mining shall be done on the waste land without disturbing any native or genetic diversity.</b>
1.31	Any other actions?	No	

**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):**

<b>S. No.</b>	<b>Information/checklist confirmation</b>	<b>Yes/No</b>	<b>Details thereof (with approximate quantities /rates, wherever possible) with source of information data</b>
2.1	Land especially undeveloped or agricultural land (ha)	No	<b>It's a Gove. Waste land. The total area is 4.000 ha.</b>
2.2	Water (expected source & competing users) unit: KLD	<b>Yes</b>	<b>Domestic : 2.0 kld Others : 8.0 kld Total 10.0 kld, Source: GW and Mine pit</b>
2.3	Minerals (MT)	No	<b>Marble capacity – 10,000 m<sup>3</sup> / year</b>
2.4	Construction material – stone, aggregates, sand / soil (expected source – MT)	No	<b>NA</b>
2.5	Forests and timber (source – MT)	No	<b>NA</b>
2.6	Energy including electricity and fuels (source, competing users) Unit: fuel (MT), energy (MW)	No	<b>Not required</b>
2.7	Any other natural resources (use appropriate standard units)	No	

**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.**

<b>S. No.</b>	<b>Information/Checklist confirmation</b>	<b>Yes/No</b>	<b>Details thereof (with approximate quantities/rates, wherever possible) with source of information data</b>
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	<b>NA</b>

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	The project directly and indirectly generates the employment for local people, which uplift their quality of life.
3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.,	No	It's a small scale mining project of minor mineral.
3.5	Any other causes	No	

#### 4. 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	Soil, overburden or mine wastes	Yes	Only mine reject in form of copra will be generated.
4.2	Municipal waste (domestic and or commercial wastes)	Yes	0.05 ton/year, Very small amount of Municipal waste will be generated; however collection bins will be provided for the same and will be disposed off as per MSW Rule, 2016.
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	NA
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	NA
5.2	Emissions from production processes	No	Only emission generated at the time of blasting, which is less than 200 ppm at the 100m from sources.
5.3	Emissions from materials handling including storage or transport	Yes	Fugitive emission from transportation of material, which will be localized and for short term.
5.4	Emissions from construction activities including plant and equipment	No	NA
5.5	Dust or odours from handling of materials	Yes	Dust will be generated due to

	including construction materials, sewage and waste		<b>transportation of material, which will be Control by restricted speed limit and water sprinkling on haul roads.</b>
5.6	Emissions from incineration of waste	No	NA
5.7	Emissions from burning of waste in open air (e.g. slash materials, construction debris)	No	NA
5.8	Emissions from any other sources	No	NA

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

<b>S. No.</b>	<b>Information/Checklist confirmation</b>	<b>Yes/No</b>	<b>Details thereof (with approximate quantities/rates, wherever possible) with source of information data</b>
6.1	From operation of equipment e.g. engines, ventilation plant,	Yes	<b>Generation of noise can be anticipated from operation of transportation vehicles on the working site.</b>
6.2	From industrial or similar processes	No	<b>NA</b>
6.3	From construction or demolition	No	
6.4	From blasting or piling	Yes	<b>Control blasting is carried out.</b>
6.5	From construction or operational traffic	Yes	<b>During the transportation of minerals Noise shall be generated from vehicles.</b>
6.6	From lighting or cooling systems	No	NA
6.7	From any other sources	No	NA

**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:**

<b>S. No.</b>	<b>Information/Checklist confirmation</b>	<b>Yes/No</b>	<b>Details thereof (with approximate quantities/rates, wherever possible) with source of information data</b>
7.1	From handling, storage, use or spillage of hazardous materials	No	NA
7.2	From discharge of sewage or other effluents to water or the land (expected mode and place of discharge)	No	NA
7.3	By deposition of pollutants emitted to air into the land or into water	No	NA
7.4	From any other sources	No	NA
7.5	Is there a risk of long term build up of pollutants in the environment from these sources?	No	NA

**8. Risk of accidents during construction or operation of the Project, which could affect human health or the environment**

<b>S. No.</b>	<b>Information/Checklist confirmation</b>	<b>Yes/No</b>	<b>Details thereof (with approximate quantities/rates, wherever possible) with source of information data</b>
8.1	From explosions, spillages, fires etc from	No	<b>NA</b>

	storage, handling, use or production of hazardous substances		
8.2	From any other causes	Yes	<b>Possibility of Accident in the mining Activity.</b>
8.3	Could the project be affected by natural disasters causing environmental damage (e.g. floods, earthquakes, landslides, cloudburst etc)?	No	<b>The project site is in safe zone.</b>

**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 thereof (with approximate quantities/rates, wherever possible) with source of information data
9.1	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.) <ul style="list-style-type: none"> <li>• housing development</li> <li>• extractive industries</li> <li>• supply industries</li> <li>• other</li> </ul>	Yes	<b>After the start of the mining activity the Nearby roads will be maintained, which will be positive impact on Environment.</b>
9.2	Lead to after-use of the site, which could have an impact on the environment	Yes	<b>After the closure of the mine the area Shall be turned in the flat terrain with vegetation.</b>
9.3	Set a precedent for later developments	No	
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects	No	<b>At present no other mine is in operation, Hence cumulative impact cannot be envisaged.</b>

**(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	NA
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, overwintering, migration	No	NA
4	Inland, coastal, marine or underground waters	yes	<b>Under ground water is available in surrounding area.</b>
5	State, National boundaries	No	
6	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	No	
7	Defence installations	No	NA
8	Densely populated or built-up area	Yes	<b>Village Khajuri 1.50 km at km from the site, S.</b>
	Areas occupied by sensitive man-made land uses ( <i>hospitals, schools, places of worship, community facilities</i> )	<b>Yes,</b>	<b>Hospitals, schools, places of worship, community facilities are available at Bhopal 14.75 km from site S</b>
10	Areas containing important, high quality or scarce resources ( <i>ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals</i> )	<b>Yes</b>	<b>The project site does not fall in the notified areas for control and regulation of ground water.</b>
11	Areas already subjected to pollution or environmental damage. ( <i>those where existing legal environmental standards are exceeded</i> )	No	NA
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	NA

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

**Shri Rishab Pachauri**  
**S/o Shri Gaurishankar Pachauri**

**Address – R/o Pachauri Complex Pipal Chauraha**  
**Bairasiya Road Karond,**  
**District - Bhopal (M.P.)**

Signature of applicant with name & Full address

(Project Proponent/ Authorized Signatory)