

Appendix – I

(See paragraph – 6)

Form - I

(I) Basic Information:		
S. No.	Item	Details
1.	Name of the project/s	Daudkhedi Shale Stone Mine New Khasra No. 159, 161/1, 171 (Old Khasra No. 1/1, 25)
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	1000 mt. per year 3.376 ha.
4.	New/Expansion/Modernization	Although this is a working mine, now EC has become essential in view of the latest NGT judgment.
5.	Existing Capacity/Area etc.	1000 M.T.
6.	Category of Project i.e. 'A' or 'B'	'B' Further Categorized in B2 as per Notification of MoEF&CC 24.12.2013
7.	Does it attract the general condition? If yes, please specify	Proposed project is 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. , No (ii) Critically polluted areas as notified by the Central Pollution Control Board from time to time:- No (iii) Notified Eco-sensitive areas :-No (iv) Inter-state boundaries and international boundaries :- No
8.	Does it attract the specific condition? If No yes, please specify.	
9.	Location	Daudkhedi
	Plot/Survey/Khasra No.	New Khasra No. 159, 161/1, 171 (Old Khasra No. 1/1, 25) Toposheet No.45 P/4 Latitude 24⁰04'13.70"N to 24⁰04'20.40"W Longitude 75⁰01'28.10E to 75⁰01'40.07"E
	Village	Daudkhedi
	Tehsil	Mandsaur
	District	Mandsaur
10.	State Nearest railway station/airport along with distance in Kms.	Madhya Pradesh Nearest Railway station Mandsaur at a distance of 5.5 km. Nearest Airport Udaipur (Dabok) 167 Kms.
11.	Nearest Town, City, District Headquarters along with distance in kms.	Town :Mandsaur is at 5.5 kms. City : Mandsaur at 21 kms.

12. Village Panchayats, Zila Parishad, **Zila Parishad Mandsaur**
Municipal Corporation, Local body **Mandsaur (Madhya Pradesh)**.
(complete postal addresses with telephone
nos. to be given)

13.	Name of the Applicant	Gopal Krishna Mandovara
14.	Registered Address	Sh. Gopal Krishna S/o Badri lal Mandvora R/o B.P.L Choraha, Mandsaur Tehsil & District – Mandsaur (M.P.)
15.	Address of Correspondence	
	Name	Gopal Krishna Mandovara
	Designation (Owner/Partner/CEO)	Owner
	Name & Address Lessee	Sh. Gopal Krishna S/o Badri lal Mandvora R/o B.P.L Choraha, Mandsaur Tehsil & District – Mandsaur (M.P.)
	E-mail	sanjaymandovara@gmail.com
	Telephone No.	+91-9425369223
	Fax No.	-
16.	Details of Alternative Sites examined, if any Location of these sites should be shown on a Toposheet.	Mining is a site specific project which can not be shifted elsewhere due to availability of minerals.
17.	Interlinked Projects	Nil
18.	Whether separate application of interlined Project has been submission	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 and their status to be given.	N.A.
(a)	The Forest (Conservation) Act, 1980?	Nil
(b)	The Wildlife (Protection) Act, 1972?	Nil
(c)	The C.R.Z. Notification, 1991?	Nil
22.	Whether there is any Government Order/Policy relevant/relating to the site?	Nil
23.	Forest land involved (Hectares)	Nil
24.	Whether there is any litigation pending against the project and/or land in which the project is propose to be set up?	No

(b) **the following shall be inserted at the end, namely :-**

"I hereby given 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 give, if any to the project will be revoked at our risk and cost.

For: DAUDKHEDI SHALE STONE MINE

Date:

Place:

**(GOPAL KRISHNA MANDVORA)
(Project Proponent/Authorized Signatory)
R/o B.P.L Chaurha, Mandsaur
District- Mandsaur (M.P.)**

NOTE:

1. The projects involving clearance under Coastal Regulation Zone Notification, 1991 shall submit with the application a C.R.Z. map duly demarcated by one of the authorized agencies, showing the project activities, w.r.t. C.R.Z. (at the stage of TOR) and the recommendations of the State Coastal Zone Management Authority (at the stage of EC). Simultaneous action shall also be taken to obtain the requisite clearance under the provisions of the C.R.Z. Notification, 1991 for the activities to be located in the CRZ.
2. The projects to be located within 10 km. of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by the Chief Wildlife Warden showing these features vis-a-vis the project location and the recommendations or comments of the Chief Wildlife Warden thereon (at the stage of EC)".
3. All correspondence with the Ministry of Environment & Forests including submission of application for TOR/Environmental Clearance, subsequent clarifications, as may be required from time to time, participation in the EAC Meeting on behalf of the project proponent shall be made by the authorized signatory only. The authorized signatory should also submit a document in support of his claim of being an authorized signatory for the specific project".

(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 sources 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	Permanent change in land use:- There will be a permanent change in land use which will be as per approved Mining Plan. i. As a result of formation of mining pit, there will be permanent change in the land use pattern, because the excavated portion will be converted in to a water reservoir. It will cover an area of approx. 0.8770 . ii. The dump will cover an area of approx. 0.4000 ha. iii. On 0.2520 ha area will be used in Green belt. iv. On 0.500 Ha. Area under storage of Ore.
1.2	Clearance of existing land, vegetation and buildings?	No	N.A
1.3	Creation of new land uses?	No	Temporary mine office, first aid station, rest shelter will be erected in lease area. After the closure of the mining operations, the excavated pit may be converted into a rain water reservoir
1.4	Pre-construction investigations e.g. bore holes, soil testing?	No	Not required
1.5	Construction works?	Yes	Temporary mine office, first aid station, rest shelter will be erected in lease area
1.6	Demolition works?	Yes	The mine office, rest shelter etc. will be demolished.
1.7	Temporary sites used for construction works or housing of construction workers?	No	None
1.8	Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations?	Yes	Temporary mine office, first aid station, rest shelter will be erected in lease area. Excavation for extraction of Granite.
1.9	Underground works including mining or tunneling?	No	None
1.10	Reclamation works?	Yes	The excavated portion will be converted in to a water reservoir.

S. No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with sources of information data
1.11	Dredging?	No	None
1.12	Offshore structures?	No	None
1.13	Production and manufacturing processes?	Yes	Semi mechanized open cast method by deploying excavator trucks/tippers, drill and crushing and screening plant for mining and sizing of rock.
1.14	Facilities for storage of goods or materials?	Yes	Sites for stacking the crushed material will be selected within as well as outside the ML area.
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	No	No solid waste material and liquid effluents will be generated at the mine.
1.16	Facilities for long term housing of operational workers?	No	Not required
1.17	New road, rail or sea traffic during construction or operation?	No	No
1.18	New road, rail, air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc.?	No	No
1.19	Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?	No	No
1.20	New or diverted transmission lines or pipelines?	No	No
1.21	Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	No	No
1.22	Stream crossing?	No	No
1.23	Abstraction or transfers of water form ground or surface waters?	Yes	No Water for drinking purpose will be brought from a nearby tube well situated outside the lease hold. Initially water for dust suppression and plantation also will be taken from a nearby bore well, but subsequently arrangements for storage of rain water will be made in pit and that stored water will be used for dust suppression and plantation.
1.24	Changes in water bodies or the land surface affecting drainage or run-off?	No	No surface water body is located within the lease area. No drainage will be affected.

S. No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with sources of information data
1.25	Transport of personnel or materials for construction, operation or decommissioning?	No	Local workforce will be deployed. Stone will be transported by existing road transport network.
1.26	Long-term dismantling or decommissioning or restoration works?	Yes	Only dismantling of temporary structures will be required after the mine gets finally closed.
1.27	Ongoing activity during decommissioning which could have an impact on the environment?	No	None
1.28	Influx of people to an area in either temporarily or permanently?	No	Mine is working and there is no influx of people.
1.29	Introduction of alien species?	No	None
1.30	Loss of native species or genetic diversity?	No	The land being almost barren, there will not be any native species. There will be no effect on genetic diversity.
1.31	Any other actions?	No	None
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 thereof (with approximate quantities/rate, wherever possible) with source of information data
2.1	Land especially undeveloped or agricultural land (ha.)	No	Total lease area is 3.376 Ha. is a part of Private Land.
2.2	Water (expected source & competing users) unit: KLD	Yes	Total 1.5 KLD Drinking Purpose-0.2 KLD Greenbelt development-0.4 KLD Dust Suppression-0.9 KLD Source: Drinking water from well situated outside to the lease area.
2.3	Minerals (MT)	No	None
2.4	Construction material – stone, aggregates, and / soil (expected source-MT)	Yes	For the installation of Salate Pencil Manufacturing etc. will be needed.
2.5	Forests and timber (source – MT)	No	None
2.6	Energy including electricity and fuels (source, competing users) Unit: fuel (MT), energy (MW)	Yes	Only HSD is used for operation of machinery, the daily consumption of H.S.D is around 200 litres. None
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.

S. No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with sources 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)	Yes	HSD will be required for running Excavators, Tractors and vehicles.
3.2	Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)	No	No changes are anticipated.
3.3	Affect the welfare of people e.g. by changing living conditions?	No	None
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 thereof (with approximate quantities/rate, wherever possible) with source of information data
4.1	Spoil, overburden or mine wastes	Yes	All stone produce will be sold.
4.2	Municipal waste (domestic and or commercial wastes)	No	No municipal waste generated.
4.3	Hazardous wastes (as per Hazardous Waste Management Rules)	No	No hazardous waste 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	Yes	At the time of demolition, some waste material will be generated. They will be used for part filling of the pit or transported away as the case may be.
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 thereof (with approximate quantities/rate, wherever possible) with source of information data
5.1	Emissions from combustion of fossil fuels from stationary or mobile sources?	Yes	The operation of excavators, trucks for the transport of Material will cause emissions in the open pits under the sky and the same will get dissipated in the air.
5.2	Emissions from production processes?	Yes	None
5.3	Emissions from materials handling including storage or transport?	Yes	Sorting and transportation of material will be generate dust and the same will get dissipated in the air.
5.4	Emissions from construction activities including plant and equipment?	No	None
5.5	Dust or odours from handling of materials including construction materials, sewage and waste?	Yes	As already stated above, dust will be generated in the course of loading, transportation and manufacturing of slate pencil.
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 thereof (with approximate quantities/rate, wherever possible) with source of information data
6.1	From operation of equipment e.g. engines, ventilation plant, crushers?	Yes	The noise will be created during transportation.
6.2	From industrial or similar processes?	No	None
6.3	From construction or demolition?	Yes	The mine office, rest shelter etc. will be demolished.
6.4	From blasting or piling?	No	None
6.5	From construction or operational traffic?	Yes	The transport of rock through tractors will produce noise but well within permissible limits.
6.6	From lighting or cooling systems?	No	N.A.
6.7	From any other sources?	No	None

7. Risk of contamination of land or water from releases of pollutants into the ground or into sewers, surface waters, ground water, coastal waters or the sea:

S. No.	Information/checklist confirmation	Yes/No	Details thereof (with approximate quantities/rate, wherever possible) with source of information data
7.1	From handling, storage, use or spillage of hazardous materials?	No	No
7.2	From discharge of sewage or other effluents to water or the land (expected mode and place of discharge)?	No	No effluents are discharged.
7.3	By deposition of pollutants emitted to air into the land or into water?	No	SPM emitted to air will be minimum in quantity and is being controlled by regular water sprinkling.
7.4	From any other sources?	No	None
7.5	Is there a risk of long term build up 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 thereof (with approximate quantities/rate, wherever possible) with source of information data
8.1	From explosions, spillages, fires etc. Yes from storage, handling, use or production of hazardous substances		HSD being Inflammable Material, fire may take place. However, necessary precautions will be taken to obviate such chances.
8.2	From any other causes		Accident may take place in the course of loading, transportation unloading of mineral/waste material. However, necessary precautions will be taken to obviate such chances.
8.3	Could the project be affected by natural disasters causing environmental damage (e.g. floods, earthquakes, landslides, cloudburst etc) ?		Nil

**Ye
s**

No

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/rate, 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:	No	N.A.
	◆ Supporting infrastructure (roads, power supply, waste or waste water treatment, etc.)	No	N.A.
	◆ housing development	No	N.A.
	◆ extractive industries	No	N.A.
	◆ supply industries	No	N.A.
	◆ other	No	N.A.
9.2	Lead to after-use of the site, which could have an impact on the environment	Yes	In the end of life the pit will be developed as water reservoir which will be used by local people.
9.3	Set a precedent for later developments	No	N.A.
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects	Yes	There are other mining leases adjoining the mine.

(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	Water courses Nalla Sau or Siwana River Somli River Water bodies Mandsaur Reservoir Dhikola Reservoir Gujarda Reservoir Bharawad Reservoir Gogarpura Reservoir Karoli Reservoir Forest Reserved forest Protected forest Protected forest	0.30 Km. (SW) 3.00 Km. (S) 9.25 Km. (E) 1.60 Km. (E) 7.80 Km. (NE) 4.22 Km. (NW) 7.70 Km. (SW) 5.90 Km. (NW) 7.20 Km. (W) 4.50 Km. (NW) 8.70 Km. (NW) 12.40 Km. (NW)
3.	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, overwintering, migration	No	Not applicable
4.	Inland, coastal, marine or underground waters	Water courses Nalla Sau or Siwana River Somli River Water bodies Mandsaur Reservoir Dhikola Reservoir Gujarda Reservoir Bharawad Reservoir Gogarpura Reservoir Karoli Reservoir	0.30 Km. (SW) 3.00 Km. (S) 9.25 Km. (E) 1.60 Km. (E) 7.80 Km. (NE) 4.22 Km. (NW) 7.70 Km. (SW) 5.90 Km. (NW) 7.20 Km. (W)
5.	State, National boundaries	Raj & MP State boundaries	4.60 Km. (W)
6.	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	NH-79 Ratlam to Neemuch SH 14 Pratapgarh to Sitamau Western Railway Khandwa Ratlam	0.50 Km. (NE) 2.75 Km. (S) 4.68 Km. (E)

S. No.	Areas	Name/ Identity	Aerial distance (within 15 km.) Proposed project location boundary
		Ajmer Section	
7.	Defense installations	No	None
8.	Densely populated or built-up area	Mandsaur Panth Pipliya	3.25 Km. (E) 14.10 Km. (N)
9.	Areas occupied by sensitive man-made land uses (hospital, schools, places of worship, community facilities)	Mandsaur Panth Pipliya Daudkhedi	3.25 Km. (E) 14.10 Km. (N) 0.60 Km. (S)
10.	Area containing important, high quality or scarce resources (ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals)	Water courses Nalla Sau or Siwana River Somli River Water bodies Mandsaur Reservoir Dhikola Reservoir Gujarda Reservoir Bharawad Reservoir Gogarpura Reservoir Karoli Reservoir Forest Reserved forest Protected forest Protected forest	0.30 Km. (SW) 3.00 Km. (S) 9.25 Km. (E) 1.60 Km. (E) 7.80 Km. (NE) 4.22 Km. (NW) 7.70 Km. (SW) 5.90 Km. (NW) 7.20 Km. (W) 4.50 Km. (NW) 8.70 Km. (NW) 12.40 Km. (NW)
11.	Areas already subjected to pollution or environmental damage. (those where existing legal environmental standards are exceeded)	No	Not applicable
12.	Area 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	Not applicable

(IV). Proposed Terms of Reference for EIA studies:

In the light of MoEF Notification No. J-13012/12/2013-IA.-II (I) dated 24.12.2013 the project under reference is a B2 Category Project. Therefore it is required that necessary environmental clearance may be granted.

Further all the condition stipulated by the Honorable committee will be full filled.

For: Daudkhedi Shale Stone Mine

Date:

(Gopal Krishna Mandovara)

Place:

(Project Proponent/Authorized Signatory)

R/o B.P.L Chaurha, Mandsaur

District- Mandsaur (M.P.)