

Appendix – I
(See paragraph – 6)
Form - I

(I)	Basic Information:	
S. No.	Item	Details
1.	Name of the project/s	Semli Shankar Laterite Mine Khasra No. 1/Min-1
2.	S. No. in the schedule	1 (a), B
3.	Proposed capacity/area/length/tonnage to be handled/command area/lease area/number of wells to be drilled	40,000 M.T. per year Lease area- 4.0 ha.
4.	New/Expansion/Modernization	Although this is a fresh mine, obtaining new Environmental Clearance has become essential as per S.O. 1530 (E) DATED 6.04.2018 issued by MoEF&CC.
5.	Existing Capacity/Area etc.	New Mining Project
6.	Category of Project i.e. 'A' or 'B'	'B' Further Categorized in B2 as per Notification of MoEF&CC 01.07.2016
7.	Does it attract the general condition? If yes, please specify	NA
8.	Does it attract the specific condition? If yes, please specify.	Nil
9.	Location	Semli Shankar
	Plot/Survey/Khasra No.	Khasra No. 1/Min-1 Toposheet No.45 P/12 Latitude 24°10'29.52"N to 24°10'39.42" Longitude 75°39'20.22" to 75°39'27.22"
	Village	Semli Shankar
	Tehsil	Shamgarh
	District	Mandsaur
	State	Madhya Pradesh
10.	Nearest railway station/airport along with distance in Kms.	Nearest Railway station Shamgarh Road at a distance of 2 km. Nearest Airport Udaipur 160 Kms.

11.	Nearest Town, City, District Headquarters along with distance in kms.	Town : Shamgarh is at 2kms.
12.	Village Panchayats, Zila Parishad, Municipal Corporation, Local body (complete postal addresses with telephone nos. to be given)	Zila Parishad - Mandsaur State - M.P.
13.	Name of the Applicant	Shri Ritesh Purohit
14.	Registered Address	Ritesh Purohit S/o Laxmi Naryan Purohit R/O Laxmiganj Mandi Dist. Kota(Raj.)
15.	Address of Correspondence	
	Name	Shri Ritesh Purohit
	Designation (Owner/Partner/CEO)	Owner
	Name & Address Lessee	Ritesh Purohit S/o Laxmi Naryan Purohit R/O Laxmiganj, Mandi Dist.- Kota(Raj.)
	E-mail	Riteshpurhit48@gmail.com
	Telephone No.	+91 98298 78999
	Fax No.	-
16.	Details of Alternative Sites examined, if any Location of these sites should be shown on a Toposheet.	Since, 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?	Nil

(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:SEMLI SHANKAR LATERITE

MINE

Date:

(Ritesh Purohit)

Place: Kota

(Project Proponent/Authorized Signatory)

Address: R/o Laxmiganj Mandi, Kota (Raj.

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	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 into ground level for agriculture purpose an area of approx. 3.3103 ha. ii) On 0.6752ha area will be used in Green belt. 0.0145 area will be covered in Infrastructure.
1.2	Clearance of existing land, vegetation and buildings?	Yes	No building is required to be removed. Top soil, will have to be removed before mining out the mineral.
1.3	Creation of new land uses?	No	Excavated portion will be converted into ground level for Agriculture purpose. Similarly, Green Belt will be done in the lease area.
1.4	Pre-construction investigations e.g. bore holes, soil testing?	No	No plant and machinery will be installed and therefore no pre-construction investigations are needed.
1.5	Construction works?	No	No construction is proposed.
1.6	Demolition works?	No	None
1.7	Temporary sites used for construction works or housing of construction workers?	No	Not required.

S. No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with sources of information data
1.8	Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations	No	Not required.
1.9	Underground works including mining or tunneling?	No	None
1.10	Reclamation works?	Yes	The excavated portion will be reclaimed and used for agriculture purpose an area of approx. 3.3103 ha
1.11	Dredging?	No	N.A.
1.12	Offshore structures?	No	N.A.
1.13	Production and manufacturing processes?	Yes	Mechanized method of mining by deployment of diesel engine powered excavators and dumpers for mining of mineral will be carried out.
1.14	Facilities for storage of goods or materials?	Yes	Temporarily, store is being maintained for immediate use at the mine. However mineral will be temporarily stores in the mining lease premises till dispatch. No liquid effluents are discharged.
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	Yes	liquid effluents are discharged.
1.16	Facilities for long term housing of operational workers?	No	Mine workers are residing in nearby village/town outside the mine lease area.
1.17	New road, rail or sea traffic during construction or operation?	No	Approach road already exists and the same will be strengthened. Not
1.18	New road, rail, air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc.?	No	required.

S. No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with sources of information data
1.19	Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?	No	Not required.
1.20	New or diverted transmission lines or pipelines?	No	Not required.
1.21	Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	No	Worked out pits will be used for Agriculture Purpose.
1.22	Stream crossing?	No	No stream is crossing in mine area.
1.23	Abstraction or transfers of water from ground or surface waters?	Yes	Mine working is above the ground water table and we will approach C.G.W.A. whenever working will touch the water table.
1.24	Changes in water bodies or the land surface affecting drainage or run-off?	Yes	No surface water body is located in the lease area. Only rain water will get accumulated in the pits and same can be used for dust suppression, water sprinkling purposes.
1.25	Transport of personnel or materials for construction, operation or decommissioning?	No	Local transport is available to all the personnel required to come to the mine. Material will be dispatched to destination in trailer or trucks as per requirement.
1.26	Long-term dismantling or decommissioning or restoration works?	No	Nil
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

S. No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with sources of information data
1.30	Loss of native species or genetic diversity?	No	During the mining activity, some local herbs will be uprooted from the core zone.
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 4.00 Hect. is Government waste Land.
2.2	Water (expected source & competing users) unit: KLD	Yes	Total..2.0 KLD Drinking Purpose – 0.50 KLD Greenbelt development- 1.00KLD Dust Suppression- 0.50KLD Source: Drinking water from tube well situated outside the lease area.
2.3	Minerals (MT)	No	None
2.4	Construction material – stone, aggregates, and / soil (expected source-MT)	No	No Construction will be there and therefore no material is required for this project.
2.5	Forests and timber (source – MT)	No	None
2.6	Energy including electricity and fuels (source, competing users) Unit: fuel (MT), energy (MW)	No	Only HSD is used for operation of machinery, the daily consumption of H.S.D will be 3 to 3.5 KLD for the desired production. Presently electricity is not used at mine site.
2.7	Any other natural resources (use appropriate standard units)	No	None

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	Occasionally, blasting will be done if required. HSD being used for operation of mining machinery.
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	No changes due to use of HSD are anticipated.
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 operation 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	<p>The waster rock dump yard exists in the lease. No liquid effluents are/will be discharged.</p> <p>About 22962Cu.mts. of OB/waste is likely to be generated during next five years. The annual rate of production of waste is given below.</p> <table border="1"> <thead> <tr> <th>Year</th> <th>OB/waste</th> </tr> </thead> <tbody> <tr> <td>2018-19</td> <td>3717</td> </tr> <tr> <td>2019-20</td> <td>3927</td> </tr> <tr> <td>2020-21</td> <td>4646</td> </tr> <tr> <td>2021-22</td> <td>4957</td> </tr> <tr> <td>2022-23</td> <td>5714</td> </tr> </tbody> </table>	Year	OB/waste	2018-19	3717	2019-20	3927	2020-21	4646	2021-22	4957	2022-23	5714
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2018-19	3717														
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4.2	Municipal waste (domestic and or commercial wastes)	Yes	Soaking pit type of safety tank will be constructed for disposing of the liquid effluent. The solid waste from the safety tank will be removed, whenever required, with an approved type of sludge pump.												
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	Practically no Hazardous waste will be generated in the course of mining. The used lubricants will be disposed of through approved dealers.												
4.6	Sewage sludge or other sludge from effluent treatment	No	There will be treatment of any effluents.												
4.7	Construction or demolition wastes	No	None												

S. No.	Information/checklist confirmation	Yes/No	Details thereof (with approximate quantities/rate, wherever possible) with source of information data
4.8	Redundant machinery or equipment	No	The scraps of spare parts will be temporarily stored at the mine. Finally it will be disposed through an approved scrap dealer.
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 working of excavators, dumpers/trucks, and air compressors at the mine will generate exhaust and the same will get dissipated in to the air.
5.2	Emissions from production processes	Yes	As described in 5.1 above.
5.3	Emissions from materials handling including storage or transport	Yes	The mining machinery used for loading, unloading and transportation of material emit noxious gases within permissible limit.
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	Dust emission from handling of mineral are there, which are controlled by water sprinkling and good plantation and other mitigating measures.
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	Dust emission from drilling, wind erosion of overburden dump, and plying of vehicle will take place. These emissions are being controlled through afforestation, water sprinkling, wet drilling and other methods.

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 generation due to operation of equipments is controlled by proper maintenance.
6.2	From industrial or similar processes	No	None
6.3	From construction or demolition	No	No demolition will take place.
6.4	From blasting or piling	No	No drilling & blasting is required for Laterite mine.
6.5	From construction or operational traffic	Yes	The transport of mineral and waste through trucks and tippers can produce noise but are maintained within permissible limits, by keeping machinery in proper condition.
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	HSD is stored properly and all precautions under Petroleum rules are taken.
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, which is 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. from storage, handling, use or production of hazardous substances	Yes	<p>HSD being Inflammable Material, fire may take place. However, necessary precautions will be taken to obviate such chances.</p> <p>Accident may take place in the course</p>
8.2	From any other causes	Yes	<p>of drilling, loading, transportation and unloading of mineral/waste material. However, necessary precautions will be taken to obviate such chances.</p> <p>(i) No possibility of flood anticipated.</p>
8.3	Could the project be affected by natural disasters causing environmental damage (e.g. floods, earthquakes, landslides, cloudburst etc) ?	No	<p>(ii) Earthquake is not known in the area; the area comes under Seismic Zone II</p> <p>(iii) No hillocks exist near the mine site, hence, no possibility of land slide.</p> <p>(iv) The average rain fall in the region is 657mm only and there is no possibility of cloudburst.</p>

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 N.A.
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	
	◆ 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 agriculture fields which will be used for plantation purposes.
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	No	No

(III) Environmental

Sensitivity	S. No. Areas	Name/ Identity	Aerial distance (within 15 km.) Proposed project location
1.	Areas protected under international conventions, national or local legislation for their ecological, landscape, cultural or other related value	No	boundary 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 Rupaniya River Kanthari River Sonari River Ansar River Water bodies Semlishankar Pond Makrawan Pond Kotra Pond Sagoriya Pond Barkhera Rathor Reservoir Junapani Powati Reservoir Aaklishivdas Reservoir Junapani Dhoranya Reservoir Forest Protected forest Protected forest Protected forest	5.00 Km. (NW) 8.00 Km. (E) 12.00 Km. (SW) 10.35 Km. (NW) 0.60 Km. (E) 1.30 Km. (N) 10.45 Km. (NE) 4.65 Km. (NW) 4.15 Km. (NE) 11.24 Km. (NE) 6.00 Km. (NW) 1.17 Km. (S) 8.30 Km. (W) 5.30 Km. (SW) 4.70 Km. (SE)
3.	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration	No	Not applicable
4.	Inland, coastal, marine or underground waters	Water courses Rupaniya River Kanthari River Sonari River Ansar River Water bodies Semlishankar Pond Makrawan Pond Kotra Pond Sagoriya Pond Barkhera Rathor Reservoir Junapani Powati Reservoir Aaklishivdas Reservoir Junapani Dhoranya Reservoir	5.00 Km. (NW) 8.00 Km. (E) 12.00 Km. (SW) 10.35 Km. (NW) 0.60 Km. (E) 1.30 Km. (N) 10.45 Km. (NE) 4.65 Km. (NW) 4.15 Km. (NE) 11.24 Km. (NE) 6.00 Km. (NW) 1.17 Km. (S)

S. No.	Areas	Name/ Identity	Aerial distance (within 15 km.) Proposed project location boundary
5.	State, National boundaries	Raj & MP State boundaries	8.00 Km. (E)
6.	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	Western Railway Main line	1.60 Km. (W)
7.	Defense installations	No	None
8.	Densely populated or built-up area	Shamgarh Suwasra	1.20 Km. (NW) 11.25 Km. (S)
9.	Areas occupied by sensitive man-made land uses (hospital, schools, places of worship, community facilities)	Shamgarh Suwasra Semlishankar	1.20 Km. (NW) 11.25 Km. (S) 1.60 Km. (SE)
10.	Area containing important, high quality or scarce resources (ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals)	Water courses Rupaniya River Kanthari River Sonari River Ansar River Water bodies Semlishankar Pond Makrawan Pond Kotra Pond Sagoriya Pond Barkhera Rathor Reservoir Junapani Powati Reservoir Aaklishivdas Reservoir Junapani Dhoranya Reservoir Forest Protected forest Protected forest Protected forest	5.00 Km. (NW) 8.00 Km. (E) 12.00 Km. (SW) 10.35 Km. (NW) 0.60 Km. (E) 1.30 Km. (N) 10.45 Km. (NE) 4.65 Km. (NW) 4.15 Km. (NE) 11.24 Km. (NE) 6.00 Km. (NW) 1.17 Km. (S) 8.30 Km. (W) 5.30 Km. (SW) 4.70 Km. (SE)
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

S. No.	Areas	Name/ Identity	Aerial distance (within 15 km.) Proposed project location boundary
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For:SEMLI SHANKAR LATERITE MINE

Date:

(Ritesh Purohit)

Place: Kota

(Project Proponent/Authorized Signatory)

Address: R/o Laxmiganj Mandi, Kota (Raj.