

FORM-I

I. BASIC INFORMATION

S. No.	Item	Details		
1.	Name of the project/s	“Bilokalan Ochre Deposit Mine”		
2.	Sl. No. of the schedule	Category ‘B2’		
3.	Proposed capacity / area / length / tonnage to be handled / command area / lease area / lease area / number of wells to be drilled	Proposed capacity : 21000 MT/year Lease Area : 4.0 Ha		
4.	New / Expansion / Modernization	New		
5.	Existing Capacity / Area etc.	Nil		
6.	Category of Project i.e. ‘A’ or ‘B’	B		
7.	Does it attract the general condition? If yes please specify.	No		
8.	Does it attract the specific condition? If yes please specify.	No		
9.	Location	Pillar No	N	E
		BL-1	25°19'40.29"	77°36'02.93"
		BL-2	25°19'39.64"	77°36'08.67"
		BL-3	25°19'37.17"	77°36'08.65"

**“Bilokalan Ochre Deposit Mine” located at
Khasra No.- 1211/4 near Village – Bilokalan, Tehsil- Shivpuri
District – Shivpuri, Madhya Pradesh**

FORM 1

S. No.	Item	Details		
		BL-4	25°19'37.15"	77°36'06.19"
		BL-5	25°19'29.02"	77°36'06.19"
		BL-6	25°19'29.01"	77°36'08.73"
		BL-7	25°19'28.30"	77°36'08.64"
		BL-8	25°19'29.25"	77°36'02.48"
i.	Plot/Survey/Khasra No.	1211/4		
ii.	Village	Bilokalan		
iii.	Tehsil	Shivpuri		
iv.	District	Shivpuri		
v.	State	Madhya Pradesh		
10.	Nearest Railway Station / Airport along with distance in kms.	Khonker Railway Station - approx. 2.5 km in WSW direction (aerial distance) Gwalior Airport Approx. 124 km in NNE		
11.	Nearest Town, city, District Headquarters along with distance in kms.	Nearest Town-Shivpuri, Approx. 12.4 km in NNE		
		District Headquarter- Shivpuri (Approx 12.4 km in NNE)		
12.	Village Panchayats, Zila Parishad, Municipal Corporation, Local body (complete postal addresses with telephone nos. to be given)	Gram Panchayat- Bilokalan, Tehsil-Shivpuri, District-Shivpuri, M.P		
13.	Name of the Applicant	Sudama Bansal		
14.	Registered Address	Sudama Bansal Tarkeshwari Colony, House of Rahul Pipe Bale		

Sudama Bansal

S. No.	Item	Details
		Tehsil- Shivpuri, State-Madhya Pradesh
15.	Address for correspondence	Sudama Bansal Tarkeshwari Colony, House of Rahul Pipe Bale Tehsil- Shivpuri, State-Madhya Pradesh
	Name	Shree Sudama Bansal
	Designation (Owner / Partner / CEO)	Lease Owner
	Address	Sudama Bansal Tarkeshwari Colony, House of Rahul Pipe Bale Tehsil- Shivpuri, State-Madhya Pradesh
	Pin Code	457001
	E-mail	ssudamabansall@gmail.com
	Telephone No.	+91-9752957808
16.	Details of alternative Sites examined, if any Location of these sites should be shown on a topo sheet.	No alternative site
17.	Interlinked Projects	No Interlinked Project
18.	Whether separate application of interlinked project has been submitted?	Not Applicable
19.	If yes, date of submission	Not Applicable
20.	If no, reason	Not Applicable
21.	Whether the proposal involves approval /	The forest (conservation) Act, 1980: No Conserved forest is present in the mining site.

S. No.	Item	Details
	<p>clearance under: if yes, details of the same and their status to be given.</p> <p>(i) The Forest (Conservation) Act, 1980.</p> <p>(ii) The wildlife (Protection) Act, 1972</p> <p>(iii) The C.R.Z. Notification, 1991</p>	<p>The wildlife (protection) Act, 1972: There is no involvement of the any wildlife area within the 5 km of the mining site.</p> <p>The coastal regulation zone Notification, 2011: There is no coastal area hence the CRZ notification is not applicable on our project proposal.</p>
22.	Whether there is any Government Order / Policy relevant / relating to the site?	None
23.	Forest Land involved (hectares)	No forest land involved
24.	<p>Whether there is any litigation pending against the project and/or land in which the project is propose to be set up?</p> <p>(a) Name of the court</p> <p>(b) Case No.</p> <p>(c) Orders / directions of Court, if any and its relevance with the proposed project.</p>	No litigation is pending against the project or the project land in any court of law to the best of knowledge.

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.)**

Sl. 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 mining will be done by Opencast manual method. The land is barren non forest land of MP govt. The landscape of the area will change due to the mining.
1.2	Clearance of existing land, vegetation and buildings?	No	Not applicable. The land is barren non forest land of MP govt.
1.3	Creation of new land uses?	Yes	Creation of land in the form of pits and dumps due to mining activity. Stabilization of dump will be done by growing vegetation over it.
1.4	Pre-Construction investigations e.g. bore houses, soil testing?	Yes	Details of exploration already been carried out in the lease area.
1.5	Construction works?	No	Not Applicable
1.6	Demolition works?	No	Not Applicable
1.7	Temporary sites used for construction or housing of construction works?	Yes	No need for construction of housing of workers. The labourer will come from the nearby villages.
1.8	Above ground buildings, structures, cut or fill or	Yes	Only excavations related to mining operations will be carried out.

	excavations		
1.9	Underground works including mining or tunneling?	No	Not Applicable
1.10	Reclamation works?	No	Reclamation is not proposed existence of mineral at depth is anticipated.
1.11	Dredging?	No	No dredging will be involved.
1.12	Offshore Structures?	No	No offshore structure will be involved.
1.13	Production and manufacturing processes?	Yes	The proposed mining activity will be done in open cast method. Proposed rate of production is 21000 MT/year.
1.14	Facilities for storage of goods or materials?	Yes	Temporary storage of mineral may be required in the quarry, before the same is transported to its destination/mined out areas.
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	Yes	Solid waste: The manner of disposal of waste will be mechanically. The OB/Waste will be loaded mechanically into the Dumpers and unloaded mechanically. Liquid Effluent: There is no liquid effluent is discharge from the lease area.
1.16	Facilities for long term housing of operational workers?	No	Workers will be hired locally from the nearby villages, for the mining activity. Thus no housing facility will be developed near mine site.
1.17	New road, rail or sea trafficking during construction or operation?	No	No new roads, rail or sea trafficking will be involved in the project. During the operation phase traffic will be increased. However the road already existing is sufficient to cater the increased traffic. Haul road is well maintained and water sprinkling carried out

			time to time to maintain the road condition.
1.18	New road, rail, air, waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc.?	No	Existing facilities are sufficient. No new road/rail will be required.
1.19	Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?	No	There is no closure or diversion of existing routes or infrastructure for the proposed project.
1.20	New or diverted transmission lines or pipelines?	No	There are no new or diverted transmission lines or pipelines in the project site.
1.21	Impoundment, damming, culverting, realignment or other changes to the hydrology of neither watercourses nor aquifers?	No	Not Applicable
1.22	Stream crossings?	No	There is no stream crossing in the mine lease area.
1.23	Abstraction or transfers of water from ground or surface water?	Yes	Water requirement for drinking, plantation and dust suppression met from Tanker supply during operation phase. Total water requirement will be approx. 1.5 KLD.
1.24	Changes in water bodies or the land surface affecting drainage or runoff?	No	No change in water bodies, drainage or runoff is anticipated.
1.25	Transport of personnel or materials for construction,	Yes	Mine workers will be from nearby villages and will come by own means hence does not

	operation or decommissioning?		require any transport. Materials will be transported by vehicles.
1.26	Long-term dismantling or decommissioning or restoration works?	No	Not Applicable
1.27	Ongoing activity during decommissioning, which could have impact on the environment?	No	Not Applicable
1.28	Influx of people to an area in either temporarily or permanently?	Yes	About 21 (Skilled-4, Semi Skilled-2 and Non-skilled-15) Most of the people will be employed from Nearby villages.
1.29	Introduction of alien species?	No	There will be no introduction of any alien species since local species would be preferred for the plantation.
1.30	Loss of native species or genetic diversity?	No	There will be no loss of native species or genetic diversity due to proposed project activities.
1.31	Any other actions?	No	No other actions will be involved for the excavation of the mineral.

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).

Sl. 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 (ha)	Yes	The applied area is Govt. waste land.

Sl. No.	Information/Checklist confirmation	Yes/ No	Details thereof (with approximate quantities / rates, wherever possible) with source of information data
2.2	Water (expected source & competing users) unit: KLD	Yes	Total water requirement will be 1.5 KLD. Only source of water is private tankers.
2.3	Minerals (MT)	Yes	Red Ochre is itself a raw material in mining units. Production will be 21000 MT/year.
2.4	Construction material- stone, aggregates, and/ soil (expected source- MT)	No	Not Applicable
2.5	Forest and Timber (source – MT)	No	Not Applicable
2.6	Energy including electricity and fuels (source, competing users) Unit: fuel (MT), Energy(MW)	No	Not Applicable
2.7	Any other natural resources (use appropriate standard units)	No	No other natural resources will be used.

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.

Sl. 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	No hazardous substance or material shall be used during the mining

3.2	Changes in occurrence of diseases or affect disease vectors (e.g. insect or waterborne diseases)?	No	Proper hygienic environment will be maintained.
3.3	Affect the welfare of people e.g. by changing living condition?	Yes	This project will provide livelihood to the workforce during the operation which will help in improving their living conditions.
3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.	No	No vulnerable groups of people will be affected by the project as entry of unauthorized person in the mining lease area will be prohibited.
3.5	Any other causes	No	There will be no effect due to other causes.

4. Production of solid wastes during construction or operation or decommissioning (MT / month)

Sl. No.	Information / Checklist confirmation	Yes/ No	Details thereof (with approximate quantities wherever possible) with the source of information.
4.1	Spoil, overburden or mine wastes	Yes	There is 1.0 m lateritic top soil (The mature of soil is mixed with very low grade laterite which is not suitable as laterite extraction) and very less mine waste approx. 10 % of total production. OB will stack separately, and will be used for road building material. Details are given in PFR.
4.2	Municipal waste (domestic and or commercial wastes)	Yes	Insignificant amount of domestic waste will be generated by the labours at site which will be treated in septic tank followed by soak pit.
4.3	Hazardous waste (as per Hazardous Waste Management Rules)	No	The vehicle used for transportation is in good condition, so that no oil leaks will take place during transportation. No Hazardous waste (as

Sl. No.	Information / Checklist confirmation	Yes/ No	Details thereof (with approximate quantities wherever possible) with the source of information.
			per Hazardous Waste Management Rules) will be generated.
4.4	Other industrial process wastes	No	There is no industrial process involved in the project.
4.5	Surplus product	No	The entire mined out product will be sold to the consumer.
4.6	Sewage sludge or other sludge from effluent treatment	No	There is no effluent treatment plant in the proposed project.
4.7	Construction or demolition wastes	No	No construction or demolition work involved.
4.8	Redundant machinery or equipment	No	The machineries/equipments will be on hire basis or in-house depending upon requirement
4.9	Contaminated soils or other materials	No	No contamination of soil or other material will be involved.
4.10	Agricultural wastes	No	There is no agricultural waste involved.
4.11	Other solid wastes	No	No other solid waste is generated.

5. Release of pollutants or any hazardous, toxic or noxious substances to air (kg/m³)

Sl. No.	Information / Checklist confirmation	Yes/ No	Details thereof (with approximate quantities wherever possible) with the source of information.
5.1	Emissions from combustion of fossil fuels from stationary or mobile sources	Yes	Mostly mobile equipments and their expected emission will be very less and will have less impact . However proper mitigation measures will be taken to reduce impacts from such emissions.

Sl. No.	Information / Checklist confirmation	Yes/ No	Details thereof (with approximate quantities wherever possible) with the source of information.
			It will be managed by the following methods:- <ul style="list-style-type: none"> • Proper maintenance of vehicles and machines. • PUC certified vehicles will be allowed for transportation purposes.
5.2	Emission from production Process	Yes	There will be some dust emission from production process as well as fugitive emission during loading and transportation. However, mitigative measures such as water sprinkling and plantation would be done to control dust pollution.
5.3	Emission from materials handling including storage or transport	Yes	Minor fugitive dust and particulates/gaseous emission from transport vehicles which will be used to transport the mineral from mining area to market.
5.4	Emission from construction activities including plant and Equipment	No	It is a mining project thus it is not applicable.
5.5	Dust or odors from handling of materials including construction materials, Sewage and waste	No	Fugitive dust emission during collection & transportation of minor mineral.
5.6	Emissions from incineration of waste	No	No such waste will be generated, which needs to be incinerated.
5.7	Emissions from burning of waste in open air (e.g. slash materials, construction debris).	No	No waste of any kind will be burnt in the open air.
5.8	Emissions from any other sources	No	There is no other source of emission.

6. Generation of Noise and Vibration, and emissions of light and heat

Sl. No.	Information / Checklist confirmation	Yes/ No	Details thereof (with approximate quantities wherever possible) with the source of information.
6.1	From operation of equipment e.g. engines, ventilation plant, crushers	Yes	Noise from operation of drill machine, excavation, dumpers etc. Their expected emission will be very less and will have less impact.
6.2	From industrial or similar processes	No	There will not be any industrial process involved.
6.3	From construction or demolition	No	No construction or demolition is involved.
6.4	From blasting or piling	No	Not Applicable
6.5	From construction or operational traffic	Yes	Noise will be generated from vehicular movement during transportation which will be within prescribed limit.
6.6	From lighting or cooling systems	No	No lighting or cooling systems are involved.
6.7	From any other sources	No	No other source generates noise & vibration, heat etc.

7. Risks of contamination of land or water from release of pollutants into the ground or into sewers, surface waters, groundwater, coastal waters or the sea

Sl. No.	Information / Checklist confirmation	Yes/ No	Details thereof (with approximate quantities wherever possible) with the source of information.
7.1	From handling, storage, use or spillage of hazardous materials	No	There will be no handling, storage, use or spillage of hazardous materials.
7.2	From discharge of sewage or other effluents to water or the	No	No effluent and sewage will be generated from the proposed project operations.

Sl. No.	Information / Checklist confirmation	Yes/ No	Details thereof (with approximate quantities wherever possible) with the source of information.
	land (expected mode and place of discharge)		
7.3	By deposition of pollutants emitted to air into the land or into the water	No	Not Applicable
7.4	From any other sources	No	There is no other source from which risk of contamination is anticipated.
7.5	Is there a risk of long term build up of pollutants in the environment from these sources?	No	There is no risk of long term buildup of pollutants in the environment from the proposed project operations as frequent dust suppression would be done in mining area and surrounding roads.

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

Sl. No.	Information / Checklist confirmation	Yes/ No	Details thereof (with approximate quantities/rates, wherever possible) with the source of information.
8.1	From explosions, spillages, fires etc from storage, handling, use or production of hazardous substances	Yes	There is possibility of accident due to handling/use of explosive material. The risk will be mitigated by following the procedure and precautions as per MMR 1961.
8.2	From any other causes	Yes	Risk of accidents is envisaged due to operation of equipments. However, proper communication facilities will be given to all supervisory staff. To deal with minor accidents, first aid facility will be provided at site.

Sl. No.	Information / Checklist confirmation	Yes/ No	Details thereof (with approximate quantities/rates, wherever possible) with the source of information.
8.3	Could the project be affected by natural disaster causing environmental damage (e.g. floods, earthquakes, landslides, cloudburst etc)?	Yes	The level in water bodies may fluctuate depending on rainfall intensity. However, mining will not be carried out during monsoon season. The project falls under seismic zone II.

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:

Sl. No.	Information / Checklist confirmation	Yes/ No	Details thereof (with approximate quantities/rates, wherever possible) with the source of information.
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.		
i.	Supporting infrastructure (roads, power supply, waste or waste water treatment, etc.)	Yes	The project will indirectly develop the area by providing employment opportunities. The already existing approach roads to the site will be further strengthened by the proponent. There is no provision for waste water treatment due to minimum water requirement.
ii.	Housing development	No	NA
iii.	Extractive industries	No	NA
iv.	Supply industries	No	NA
v.	Other	No	NA
9.2	Lead to after-use of the site, which could have an impact on	Yes	There is likely to be positive impact on the environment as mining pit.

Sl. No.	Information / Checklist confirmation	Yes/ No	Details thereof (with approximate quantities/rates, wherever possible) with the source of information.
	the environment		
9.3	Set up precedent for later developments	Yes	A better after use scenario, which is likely to increase aesthetic beauty of the area.
9.4	Have cumulative effects due to proximity to other existing or planed projects which similar effects	Yes	There can be cumulative positive impact due to proximity to other existing or planned projects with similar effects.

III. ENVIRONMENTAL SENSITIVITY

Sl. 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	Shergurha PF Kunda PF Rajgarh Reserved Forest Madhav National Park Ladkaran P.F. Balhera Protected Forest Mitauji PF Makrara PF Behta Protected Forest Bolaj PF Chironji RF Ludhawali RF Hirapur RF Mlauda RF Singrai PF	Approx 11.4 Km-WNW Approx 8.8 Km-WNW Approx 9.7 Km-W Approx 7.5 Km-ENE Approx 12.3 Km-WSW Approx 8.6 Km-WSW Approx 10.7Km- SW Approx 14.3 Km- SW Approx 8.80 Km- ESE Approx 9.2 Km- ESE Approx 9.8 Km- E Approx 9.8 Km- ENE Approx 13.6 Km- ESE Approx 12.53 Km- SSE Approx 14.5 Km- SSW

**“Bilokalan Ochre Deposit Mine” located at
Khasra No.- 1211/4 near Village – Bilokalan, Tehsil- Shivpuri
District – Shivpuri, Madhya Pradesh**

FORM 1

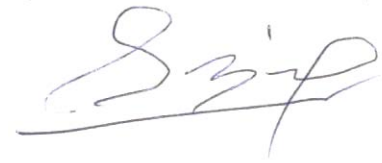
Sl. No.	Areas	Name/ Identity	Aerial distance (within 15 km.) Proposed project location boundary
2	Areas which are important or sensitive for ecological reasons – Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests	Maura Nala Khirai Nala Sathariya ka Tal Raichandkheri Tal Jadhav Sagar Singniwas Tal Tongra Tal Gunjari Nadi	Approx 0.7 Km- SE Approx 6.9 Km- E Approx 200 m- NNW Approx 9.7 Km- N Approx 12 Km- NNE Approx 13.8 Km- N Approx 7.8 Km- NW Approx 13.3 Km- S
3	Areas used by protected, important or sensitive species of flora and fauna for breeding, nesting, foraging, resting, over wintering, migration	No	Not Applicable
4	Inland, coastal, marine or underground waters	No	Not Applicable
5	State, National boundaries	No	Not Applicable
6	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	No	Not Applicable
7	Defense installations	No	Not Applicable
8	Densely populated or built-up area	Bilokalan	Approx 1.0 km-NW
9	Areas occupied by sensitive man-made land uses (hospitals, schools, places of worship, community facilities)	Tatya Tope State College of Physical Education, Shivpuri P.S(Govt.) Bilokala School, Bilokalan District Hospital, Shivpuri	Approx 12.85 km-NNE Approx 1.1 km-NW Approx 12 Km-NNE

Sl. No.	Areas	Name/ Identity	Aerial distance (within 15 km.) Proposed project location boundary
10	Areas containing important, high quality or scarce resources (ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals)	No	Not Applicable
11	Areas already subjected to pollution or environmental damage. (Those where existing legal environmental standards are exceeded)	No	Not Applicable
12	Areas susceptible to natural hazard which cause the project to present environmental problems (earthquakes, subsidence, landslides, erosion, flooding or extreme or adverse climatic conditions)	No	Area falls under Seismic Zone-II.

UNDERTAKING

“I hereby undertake that the data and the 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-30/01/2019



Shree Sudama Bansal
Tarkeshwari Colony, House of Rahul Pipe Bale
Tehsil- Shivpuri, State-Madhya Pradesh