

FORM-1

Bhadaura Sand Quarry at Chhoti Mahanadi River

Mining Project:-Category 'B2'

Lease Area: 20.000 Ha.

Khasra No. 181

Vill.-Bhadaura, Tehsil- Badwara

District- Katni (M.P)

Project Proponent

Shri Raghav Chandak

Sub Lessee of M.P. State Mining Corporation Ltd.

**Sub Lessee Address: 203, G Block, Sri Ganga Nagar,
Rajasthan**

APPENDIX I

(See paragraph – 6)

FORM 1

(I) Basic Information

S. No.	Item	Details
1.	Name of the project	Bhadaura Sand Quarry (At Chhoti Mahanadi River)
2.	S. No. in schedule	The project comes in the category 'B2' as per MoEF O.M. No. J-13012/12/2013-IA-II (I) dtd. 24 th December 2013.
3.	Proposed capacity / area / length / tonnage to be handled / command area / lease area / number of wells to be drilled	Proposed Capacity: 160000 Cu.mt/year Mining Lease Area: 20.000 Hect. Lease Period: 05 Years
4.	New / Expansion / Modernization	New Project
5.	Existing Capacity/Area etc.	20.000 Hectare
6.	Category of Project i.e. 'A1 or 'B'	The project comes in the category 'B2' as per MoEF O.M. No. J-13012/12/2013-IA-II (I) dtd. 24 th December 2013.
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	Vill-Bhadaura, Teh- Badwara, Distt. Katni(M.P)
	Plot/Survey/Khasra No.	Khasra no.-181
	Village	Bhadaura
	Tehsil	Badwara
	District	Katni
	State	Madhya Pradesh
10.	Nearest railway station/airport along with distance in kms.	The nearest Railway Station is Mahroi which is about 45 KMS from mine site. The nearest Airport is Jabalpur which is about 140 KMS from mine site.

11.	Nearest Town, city, District Headquarters along with distance in kms.	The nearest City is Katni which is about 27 KMS from mine site. The nearest District head quarter is Katni which about 30 KMS from mine site.
12.	Village Panchayats, Zilla Parishad, Municipal Corporation, Local body (complete postal addresses with telephone nos. to be given)	Village Panchayat- Bhadaura
13.	Name of the applicant	Shri Raghav Chandak, Sub Lessee of M.P. State Mining Corporation Ltd.
14.	Registered Address	Sub Lessee Address: 203, G Block, Sri Ganga Nagar, Rajasthan
15.	Address for correspondence:	Sub Lessee Address: 203, G Block, Sri Ganga Nagar, Rajasthan
	Name	Shri Raghav Chandak
	Designation (Owner/Partner/CEO)	Owner
	Address	Sub lessee Address: 203, G Block, Sri Ganga Nagar, Rajasthan
	Pin Code	335001
	E-mail	raghav1chandak123@gmail.com
	Telephone No.	8226013601
	Fax No.	Not Available
16	Details of Alternative Sites examined, if any Location of these sites should be shown on a Topo sheet.	Mineral river sand is naturally occurring resource. Hence no alternative can be chosen.
17.	Interlinked Projects	No.
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 and their status to be given, (a) The Forest Conservation) Act, 1980? (b) The wild life (Protection) Act, 1972? c) The C.R.Z. Notification, 1991?	No No No

22.	Whether there is any Government Order/Policy relevant/ relating to the site?	No
23.	Forest land involved (hectares)	No
24.	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/directions of the Court, if any and its relevance with the proposed project.	No litigation is pending against the project or the project land in any court of law to the best of knowledge.
<ul style="list-style-type: none"> Capacity corresponding to sectoral activity (such as production capacity for manufacturing, mining lease area and production capacity for mineral production, area for mineral exploration, length for linear transport infrastructure, generation capacity for power generation etc.,) 		

(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	Proposed mining site confined to river bed so that topographical features will be changed slightly. No other area will disturb.
1.2	Clearance of existing land, vegetation and buildings?	No	No
1.3	Creation of new land uses?	No	N.A.
1.4	Pre-construction investigations e.g. bore houses, soil testing?	No	Not required. Sand is directly sent to market.
1.5	Construction works?	No	None
1.6	Demolition works?	No	None
1.7	Temporary sites used for construction works or housing of construction workers?	No	The labours will deployed from nearby villages only. Hence no need to construct house for them.

1.8	Above ground buildings, structures or earthworks including linear structures, cut And fill or excavations	No	Excavation of river sand maximum up to 2 mts depth.
1.9	Underground works including mining or tunneling?	No	No underground working is proposed. There will be only opencast working.
1.10	Reclamation works?	No	No reclamation measures will be adopted at site except leveling of river bed after achieving up to 2 mtr depth from river bed level. River itself replenishes with sediment carried during monsoon season.
1.11	Dredging?	No	No
1.12	Offshore structures?	No	N.A.
1.13	Production and manufacturing processes?	Yes	Production Capacity:- 160000 Cu.mt/year
1.14	Facilities for storage of goods or materials?	No	No storage facility required, sand will be sold out directly to the consumer.
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	No	No solid waste will be generated.
1.16	Facilities for long term housing of operational workers?	No	N.A.
1.17	New road, rail or sea traffic during construction or operation?	No	N.A.
1.18	New road, rail, air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc?	No	N.A.
1.19	Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?	No	N.A.
1.20	New or diverted transmission lines or pipelines?	No	N.A.
1.21	Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	No	N.A.

1.22	Stream crossings?	No	N.A.
1.23	Abstraction or transfers of water from ground or surface waters?	No	No
1.24	Changes in water bodies or the land surface affecting drainage or run-off?	No	No change in water bodies, drainage or run off is anticipated.
1.25	Transport of personnel or materials for construction, operation or decommissioning?	Yes	Sand will be transported through tippers & trucks by road to the consumers. Workers will come from nearby villages by their own convenience.
1.26	Long-term dismantling or decommissioning or restoration works?	No	N.A.
1.27	Ongoing activity during decommissioning which could have an impact on the environment?	No	N.A.
1.28	Influx of people to an area in either temporarily or permanently?	No	Local people will be deployed.
1.29	Introduction of alien species?	No	Local species will be planted.
1.30	Loss of native species or genetic diversity?	No	No.
1.31	Any other actions?	No	N.A.

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	Yes / No	Details thereof (with approximate quantities / rates, wherever possible) with source of information data
2.1	Land especially undeveloped or agricultural land (ha)	No	The proposed site is near river bed hence it is neither undeveloped nor agriculture land.
2.2	Water (expected source & competing users) unit: KLD	Yes	10 KLD water will be used which procured from nearby villages.
2.3	Minerals (MT)	Yes	Sand- 160000 Cu.mt/year
2.4	Construction material - stone, aggregates, sand / soil (expected source - MT)	No	N.A.

2.5	Forests and timber (source - MT)	No	N.A.
2.6	Energy including electricity and fuels (source, competing users) Unit: fuel (MT), energy (MW)	No	N.A.
2.7	Any other natural resources (use appropriate standard units)	No	N.A.

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	N.A.
3.2	Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)	No	N.A.
3.3	Affect the welfare of people e.g. by changing living conditions?	Yes	The living status and socio-economic condition of the people will upgrade due to the increase in earning sources because they will get employment.
3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.,	No	N.A.
3.5	Any other causes	No	None

4. Production of solid waste during construction or operation or decommissioning (Ml/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	Yes	No overburden/waste material will be generated.
4.2	Municipal waste (domestic and or commercial wastes)	No	N.A.
4.3	Hazardous wastes (as per Hazardous Waste Management Rules)	No	N.A.
4.4	Other industrial process	No	N.A.
4.5	Surplus product	No	None
4.6	Sewage sludge or other sludge from effluent treatment.	No	No effluent will generate.
4.7	Construction or demolition wastes	No	N.A.
4.8	Redundant machinery or equipment	No	There is no redundant machinery or equipment.
4.9	Contaminated soils or other materials	No	No contaminated soil or other material will occur during mining operations.
4.10	Agricultural wastes	No	N.A.
4.11	Other solid wastes	No	N.A.

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	No
5.2	Emissions from production processes	No	N.A.
5.3	Emissions from materials handling including storage or transport	No	N.A.
5.4	Emissions from construction activities including plant and equipment	No	No construction activities will be required.

5.5	Dust or odours from handling of materials including construction materials, sewage and waste	No	N.A.
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	No	Nil

6. 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
6.1	From operation of equipment e.g. engines, ventilation plant, crushers	No	No
6.2	From industrial or similar processes	No	N.A.
6.3	From construction or demolition	No	No construction and demolition work will be carried out in mining activity.
6.4	From blasting or piling	No	N.A.
6.5	From construction or operational traffic	Yes	During operational stage running of dumpers will produce very less noise, which will not cause any impact.
6.6	From lighting or cooling	No	N.A.
6.7	From any other sources	No	N.A.

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:

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	N.A.
7.2	From discharge of sewage or other effluents to water or the land (expected mode and place of discharge)	No	N.A.

7.3	By deposition of pollutants emitted to air into the land or into water	No	N.A.
7.4	From any other sources	No	N.A.
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/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	No explosives or hazardous substances will be used.
8.2	From any other causes	No	None
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. The area is not prone to flood and earthquake. No such incident is reported in this area so far.

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, lilies, ancillary development or development stimulated by the project which could have impact on the environment e.g.: <ul style="list-style-type: none"> Supporting infrastructure (roads, power supply, waste or waste water treatment, etc.) 	Yes	This project will upgrade the socio economic status of the people because they will get employment and will develop the area also.
	• housing development	No	--

	• extractive industries	No	--
	• supply industries	No	--
	• other	No	--
9.2	Lead to after-use of the site, which could have an impact on the environment	Yes	The environment will not be affected due to the mining.
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	The mining area has not any disturbances because there is neither any industry nor planned project in its close proximity.

(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	N.A.
2	Areas which are important or sensitive for ecological reasons -Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests	No	N.A.
3	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, overwintering, migration	No	N.A.
4	Inland, coastal, marine or underground waters	No	N.A.
5	State, National boundaries	No	N.A.
6	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	Yes	Village road, which is about 10 from mine site.
7	Defence installations	No	N.A.
8	Densely populated or built-up area	Yes	The nearest habitation is within 500mtr from mine site.
9	Areas occupied by sensitive man-made land uses (hospitals, schools, places of worship, community facilities)	Yes	Hospital, school, place of worship is there in Village Bhadaura , which is within 1.0 km from the area.

10	Areas containing important, high quality or scarce Resources (ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals)	No	N.A.
11	Areas already subjected to pollution or environmental damage, (those where existing legal environmental standards are exceeded)	No	N.A.
12	Areas 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	As per the Bureau of Indian Standards (BIS) map, Madhya Pradesh falls under seismic zone II & III. The area is not prone to flood and earthquake. No such incident is reported in this area so far.

"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."

Date:

Place:

{Project Proponent/ Authorized Signatory}

Shri Raghav Chandak

Sub Lessee of M.P. State Mining Corporation Ltd.

Sub Lessee Address: 203, G Block, Sri Ganga Nagar, Rajasthan