

APPENDIX I

(See paragraph – 6)

FORM 1

(I) Basic Information

Sr. No.	Item	Details
1.	Name of the project	Singarpur Sand Mine
2.	Sr. No. in the Schedule	1-A
3.	Proposed capacity/area/length/tonnage to be handles/command area/lease area/number of wells to be drilled.	Capacity-36119 m ³ per year Lease area- 2.226Ha
4.	New/Expansion/Modernization	New
5.	Existing Capacity/ Area	NA
6.	Category of project A or B	Category "B"
7.	Does it attract the general condition? If Yes please specify	Not applicable
8.	Does it attract the specific condition? If Yes please specify	Not applicable
9.	Location Plot/survey/khasra no. Village Tehsil District State	Singarpur 474/2/5/1, 474/3/2 Singarpur Gaurihar Chhatarpur M.P.
10.	Nearest railway station/airport along with distance in km	Khurhand RS – 20.25 km Khajuraho Airport - 62.75 km
11.	Nearest Town City District Headquarter	Gaurihar – 11.75km Banda – 24.50 km Chhatarpur– 82.25 km
12.	Village Panchayat/ Zila Parisad/Municipal Corporation/ local Body	Gram Panchayat– Singarpur
13.	Name of the Applicant	M/s, MRA Global Pvt. Ltd.

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14	Registered add	House No.-57, Paradise City Panna Road, District- Chhatarpur (M.P.)
15	Add for correspondence Pin Code Name Designation (Owner/partner/CEO) Address Pin Code E- Mail Telephone No	471001 Pradeep Kumar Dubey HPA House No.-57, Paradise City Panna Road, District- Chhatarpur (M.P.) 471001 tandemminingmpcga@gmail.com 7714902572
16	Details of alternative site examined, if any, Location of these sites should be shown on a Toposheet.	Mineral deposit has been identified by certifying agency; hence alternative site is not applicable.
17	Interlinked Project	NA
18	Whether separate application of interlinked project has been submitted	NA
19	If Yes date of submission	NA
20	If no reason	NA
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	NA
22	Whether there is any Govt. order/Policy relevant/relating to the site	Quarry area will be sanctioned by Collector, Chhatarpur.
23	Forest land involved	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 court b. Case No c. Order/direction of the court, if any and its relevance with the	No

proposed project

- 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	Opencast semi mechanized sand mine method. The sand was deposited in the private land during the flood of ken River. The topography of the lease area is almost flat. The highest ARL is 127m and the lowest ARL is 125m. The general slopes are towards west. No any water channel passes from area which drains rain water during the rainy season. Flow direction of water channel is towards north.
1.2	Clearance of existing land, vegetation and buildings?	Yes	Temporary Quarry area will be sanction by the Collector, Chhatarpur and sand is a minor mineral.
1.3	Creation of new land uses?	Yes	As sand mining is proposed in the private land during the flood of ken River & Nalla and land use will be retained by the flow of water in natural course.
1.4	Pre-construction investigations e.g. bore houses, soil testing?	No	
1.5	Construction works	No	
1.6	Demolition works?	No	
1.7	Temporary sites used for construction works or housing of construction workers?	No	
1.8	Above ground buildings,	No	

	structures or earthworks including linear structures, cut and fill or excavations		
1.9	Underground works including mining or tunneling?	No	Mining will be carried out by opencast semi mechanized method.
1.10	Reclamation works?	No	The deposition of sand in the private land during the flood of ken River. There is no top soil in the lease area which will spread within boundary for plantation of kept for developing agriculture land.
1.11	Dredging?	No	During the quarry period 1.8136 ha area will be excavated up to 5m bgl
1.12	Offshore structures?	No	
1.13	Production and manufacturing processes?	Yes	Sand has been excavated by opencast semi mechanized method.
1.14	Facilities for storage of goods or materials?	No	Mining and dispatching on concurrent basis.
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	No	Mining is proposed to carry out by opencast semi mechanized method. There is no top soil and very less mine waste approx 5% of the total production. OB will stack separately and will be used for road building material.
1.16	Facilities for long term housing of operational workers?	No	
1.17	New road, rail or sea traffic during construction or operation?	No	
1.18	New road, rail, air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc?	No	
1.19	Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?	No	
1.20	New or diverted transmission lines or pipelines?	No	
1.21	Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	No	
1.22	Stream crossings?	No	Sand mining will be carried on the private land during the flood of ken

			River.
1.23	Abstraction or transfers of water from ground or surface waters?	No	
1.24	Changes in water bodies or the land surface affecting drainage or run-off?	No	
1.25	Transport of personnel or materials for construction, operation or decommissioning?	No	
1.26	Long-term dismantling or decommissioning or restoration works?	No	No reclamation is required for sand mining.
1.27	Ongoing activity during decommissioning which could have an impact on the environment?	No	
1.28	Influx of people to an area in either temporarily or permanently?	No	Local labour will be employed on temporary basis for mining operation.
1.29	Introduction of alien species?	No	
1.30	Loss of native species or genetic diversity?	No	
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):

S.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 land (ha)	Yes	Total lease area is 2.226ha, Sand mining will be carried on the private land during the flood of ken River. No agriculture activity has been carried out in the quarry area.
2.2	Water (expected source & competing users) unit: KLD	No	No water is required for the mining process.
2.3	Minerals (MT)	No	
2.4	Construction material – stone, aggregates, sand / soil (expected source – MT)	No	
2.5	Forests and timber (source – MT)	No	
2.6	Energy including electricity and fuels (source, competing users)	Yes	Dumper will be used for transportation of sand. The dumpers/Tractors belong to

	Unit: fuel (MT), energy (MW)		the contractor/purchaser. The approximate quantity of the fuel to be used per day 300 Lit/Day.
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 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	
3.2	Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)	No	
3.3	Affect the welfare of people e.g. by changing living conditions?	Yes	Employment will be generated during the course of mining.
3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.	No	
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	Spoil, overburden or mine wastes	No	Mining is proposed to carry out by opencast semi mechanized method. There is no top soil and very less mine waste approx 5% of the total production. OB will stack separately and will be used for road building material.
4.2	Municipal waste (domestic and	No	

	or commercial wastes)		
4.3	Hazardous wastes (as per Hazardous Waste Management Rules)	No	
4.4	Other industrial process wastes	No	
4.5	Surplus product	No	
4.6	Sewage sludge or other sludge from effluent treatment	No	
4.7	Construction or demolition wastes	No	
4.8	Redundant machinery or equipment	No	
4.9	Contaminated soils or other materials	No	
4.10	Agricultural wastes	No	
4.11	Other solid wastes	No	

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.	Yes	Dumper will be used for transportation of sand. The dumpers/Tractors belong to the contractor/purchaser. The approximate quantity of the fuel to be used per day 300Lit/Day.
5.2	Emissions from production processes	No	NA
5.3	Emissions from materials handling including storage or transport.	Yes	Fugitive emission during transport of sand is expected, which is localized in nature.
5.4	Emissions from construction activities including plant and equipment	No	
5.5	Dust or odour from handling of materials including construction materials, sewage and waste	No	No construction or sewage waste is expected from the mining process.
5.6	Emissions from incineration of waste	No	
5.7	Emissions from burning of waste	No	

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	in open air (e.g. slash materials, construction debris)		
5.8	Emissions from any other sources	No	

6.0 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	The mode of working will be semi-mechanized by JCB, Excavator, gaity, fabda Dumper etc. Drilling and blasting not applicable for project.
6.2	From industrial or similar processes	No	
6.3	From construction or demolition	No	
6.4	From blasting or piling	No	
6.5	From construction or operational traffic	No	
6.6	From lighting or cooling systems	No	
6.7	From any other sources	No	

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	
7.2	From discharge of sewage or other effluents to water or the land (expected mode and place of discharge)	No	
7.3	By deposition of pollutants emitted to air into the land or into water.	No	
7.4	From any other sources	No	
7.5	Is there a risk of long term build	No	

up of pollutants in the environment from these sources?			
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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	
8.2	From any other causes	No	
8.3	Could the project be affected by natural disasters causing environmental damage (e.g. floods, earthquakes, landslides, cloudburst etc)?	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/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.: <ul style="list-style-type: none"> • Supporting infrastructure (roads, power supply, waste or waste water treatment, etc.) • housing development • extractive industries • supply industries • other 	No	
9.2	Lead to after-use of the site, which could have an impact on the environment.	No	
9.3	Set a precedent for later	No	

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	developments		
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects	No	

(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	
2	Areas which are important or sensitive for ecological reasons - Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests	Yes	Ken river
3	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, overwintering, migration	No	
4	Inland, coastal, marine or underground waters	No	
5	State, National boundaries	Yes	UP – 2.50km
6	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	No	
7	Defence installations	No	
8	Densely populated or built-up area	Yes	Singarpur - 0.50km Gaurihar – 11.75km
9	Areas occupied by sensitive man-made land uses (hospitals, schools, places of worship, community facilities)	Yes	Singarpur 0.50km Gaurihar – 11.75km
10	Areas containing important, high quality or scarce resources (ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals)	Yes	Ken river - Sand
11	Areas already subjected to pollution or environmental damage. (those where existing legal environmental standards are exceeded)	No	

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	
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(IV) PROPOSED TERMS OF REFERENCE

- Purpose and Brief of the project
- Description of environment setting around 10 km of project site.
- Study of proposed pollution control equipment, fugitive dust emissions, solid waste disposal, noise pollution and environmental effect of mining operations. Study of preventive and control measures proposed for safety of workers.
- Study of short term and long term impacts on sensitive targets such as endangered species of wildlife, plants and economically important crop, the historically important site, population of elderly / infants.
- To prepare a detailed Management Plan for implementation of mitigative measures. To suggest preventive and mitigative measures to minimise adverse impacts and to maximize beneficial impacts.
- Suggest measures and recommendations for pollution control and its monitoring equipment/ system and organizational set up for maintenance of pollution control equipment.

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.

Date

Signature of applicant with name & Full Address

Place: