

**Application Forms for Prior Environmental
Clearance as per Environmental Impact
Assessment Notification dtd 14-09-2006 & 01-12-09**

To be submitted

By

SMT ANJALI MOURYA W/O SHRI BHAGWAT

To

**Madhya Pradesh State Environmental Impact
Assessment Authority (SEIAA)**

FORM 1

(I) Basic Information

Sr.No.	Item	Details												
1.	Name of the Project	Mehragaon Sand Quarry of Smt Anjali Mourya W/o Shri Bhagwat												
2.	Sr. No. in the Schedule	1(a) i												
3.	Proposed capacity/area/length/tonnage to be handles/command area/lease area/number of wells to be drilled	Sand Production: 77275 M ³ /Year Lease Area: 2.751 Hectare												
4.	New/Expansion/Modernization	New												
5.	Existing Capacity/ Area	New Proposal												
6.	Category of project A or B	B2												
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	Village- Mehragaon												
	Plot/survey/khsara no	153,154/3												
	Village	Mehragaon												
	Tehsil	Gadarwara												
	District	Narsinghpur												
	State	Madhya Pradesh												
10.	Nearest railway station/airport along with distance in km	The nearest Railway Station is Gadarwara which is about 35 KM from mine site. The nearest Airport is Bhopal which is about 130 KM from mine site.												
11.	Nearest Town City District Headquarter	The nearest city is Narsinghpur which is about 80 KM from mine site. The nearest District Head Quarter is Narsinghpur which is about 80 KM from mine site.												
12.	Village Panchayat/Zila Parisad/Municipal Corporation/local Body	Village Panchayat- Mehragaon												
13.	Name of the Applicant	Smt Anjali Mourya W/o Shri Bhagwat												
14.	Registered add	C-41, Vishvavidhyalay Campus, Sagar (MP)												
15.	Add for correspondence	C-41, Vishvavidhyalay Campus, Sagar (MP)												
	Pin Code	487661												
	Email Address													
	Contact No.	07697804411												
16.	Details of alternative site examined, if any, Location of these sites should be shown on a Toposheet	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Village</th> <th style="text-align: left;">Distict</th> <th style="text-align: left;">State</th> </tr> </thead> <tbody> <tr> <td>NA</td> <td>NA</td> <td>NA</td> </tr> <tr> <td>NA</td> <td>NA</td> <td>NA</td> </tr> <tr> <td>NA</td> <td>NA</td> <td>NA</td> </tr> </tbody> </table>	Village	Distict	State	NA	NA	NA	NA	NA	NA	NA	NA	NA
Village	Distict	State												
NA	NA	NA												
NA	NA	NA												
NA	NA	NA												
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	NA
23.	Forest land involved	NA
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 proposed project	NA

(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.)

Sr.No.	Information/Checklist on formation	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	Topographically the sanctioned Quarry area is part of mound having elevation of 313-317m. The local slope of the area is radial and all nearby dendrites are meeting toward the north direction The permanent change in land use within the lease area due to mining.
1.2	Clearance of existing land, vegetation and buildings?	No	There is no building & structure which need to be demolished/ removed from mining lease area.
1.3	Creation of new land uses?	No	None
1.4	Pre-construction investigations e.g. bore houses, soil testing?	No	NA
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	No need for construction of housing of workers. The laborer will come from the nearby villages.
1.8	Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations	No	NA

1.9	Underground works including mining or tunneling?	No	NA
1.10	Reclamation works?	No	No
1.11	Dredging?	No	NA
1.12	Offshore structures?	No	NA
1.13	Production and manufacturing processes?	Yes	Manual method of mining will be adopted for open cast mining.
1.14	Facilities for storage of goods or materials?	Yes	Storage facility for mineral and goods is available in nearby the mine area.
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	No	No waste will be generated.
1.16	Facilities for long term housing of operational workers?	No	The mine workers will be from nearby villages so no long term housing facility is required.
1.17	New road, rail or sea traffic during construction or operation?	No	There will be no new rail or sea traffic. Roads are already available for transportation of mineral and machinery in the area.
1.18	New road, rail, air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc?	No	There will be no new road, rail, air, waterborne transport infrastructures required for the project.
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	NA
1.21	Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	No	No
1.22	Stream crossings?	No	NA
1.23	Abstraction or transfers of water form ground or surface waters?	No	Total Water requirement estimated is about 6.0KLD for mining, spraying and domestic uses and will be sourced from nearby village.
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, operation or decommissioning?	Yes	Mine workers will be from nearby villages and will come by own means hence does not require any transport. Materials will be transported by vehicles.
1.26	Long-term dismantling or decommissioning or restoration works?	No	NA
1.27	Ongoing activity during decommissioning which could have an impact on the environment?	No	There will be no decommissioning activity.

1.28	Influx of people to an area in either temporarily or permanently?	Yes	About 25 people will get employment. Most of the people will be employed from nearby villages.
1.29	Introduction of alien species?	No	None
1.30	Loss of native species or genetic diversity?	No	No
1.31	Any other actions?	No	NA

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	The applied area is Private Land.
2.2	Water (expected source & competing users) unit: KLD	Yes	6.0 KLD water will be used and will be procured from nearby villages.
2.3	Minerals (MT)	Yes	Sand Production: 77275 M3/Year
2.4	Construction material – stone, aggregates, sand / soil (expected source – MT)	No	NA
2.5	Forests and timber (source – MT)	No	NA
2.6	Energy including electricity and fuels (source, competing users) Unit: fuel (MT), energy (MW)	No	No electricity is required.
2.7	Any other natural resources (use appropriate standard units)	No	NA

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	NA
3.2	Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)	No	NA
3.3	Affect the welfare of people e.g. by changing living conditions?	Yes	Welfare activity due to mining will change the living of people belongs to nearby villages this will include employment opportunity.
3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.	No	NA
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/rates, wherever possible) with source of information data
4.1	Spoil, overburden or mine wastes	No	NA
4.2	Municipal waste (domestic and or commercial wastes)	No	NA
4.3	Hazardous wastes (as per Hazardous Waste Management Rules)	No	No hazardous waste will be 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	No effluent will be generated.
4.7	Construction or demolition wastes	No	NA
4.8	Redundant machinery or equipment	No	NA
4.9	Contaminated soils or other materials	No	No Contaminated of soils or other materials will occur during mining operations.
4.10	Agricultural wastes	No	NA
1.11	Other solid wastes	No	NA

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

Sr.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	Mostly mobile equipments and their expected emission will be very less and will have less impact.
5.2	Emissions from production processes	Yes	The production process will involve excavation and loading which will generate emissions and will cause little impact.
5.3	Emissions from materials handling including storage or transport	Yes	From the handling & transport of the mineral, fugitive dust will be generated, which will be controlled by water sprinkling on haul roads, and dusty areas.
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	Not envisaged.
5.6	Emissions from incineration of waste	No	NA

5.7	Emissions from burning of waste in open air (e.g. slash materials, construction debris)	No	No material waste will be burnt in open air.
5.8	Emissions from any other sources	No	None

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 with source of information data
6.1	From operation of equipment e.g. engines, ventilation plant, crushers	No	Noise from dumpers etc. Their expected emission will be very less and will have less impact.
6.2	From industrial or similar processes	No	NA
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	There is no need of blasting for sand mining.
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 systems	No	NA
6.7	From any other sources	No	NA

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:

Sr.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	No hazardous material storage or handling is envisaged.
7.2	From discharge of sewage or other effluents to water or the land (expected mode and place of discharge)	No	There will be no discharge of sewage or other effluents from the mining lease.
7.3	By deposition of pollutants emitted to air into the land or into water	No	NA
7.4	From any other sources	No	NA
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	NA
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. utilities, ancillary development or development stimulated by the project which could have impact on the environment e.g.: <input type="checkbox"/> Supporting infrastructure (roads, power supply, waste or waste water treatment, etc.) <input type="checkbox"/> housing development <input type="checkbox"/> extractive industries <input type="checkbox"/> supply industries <input type="checkbox"/> other	No	It is not anticipated to develop the supporting facilities or ancillary development of such extent to impart any adverse effect/ impact on the environment. The project will improve the socio- economic status of villages around the mine area. The project will also benefit the local people by generating the employment.
9.2	Lead to after-use of the site, which could have an impact on the environment.	Yes	The impact will be positive. Proposed green development will enhance the aesthetic beauty of the area and the abandoned pit will be used for rain water harvesting.
9.3	Set a precedent for later developments	No	NA
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects	No	NA

(II) Environmental Sensitivity

Sr. 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	Not affecting any parameter.
2	Areas which are important or sensitive for ecological reasons - Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests	No	Not present in the nearby areas of the mine site.
3	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration	No	NA
4	Inland, coastal, marine or underground waters	No	NA
5	State, National boundaries	No	NA
6	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	No	NA
7	Defence installations	No	NA
8	Densely populated or built-up area	Yes	Village Mehragaon is 0.5 km from mine site.
9	Areas occupied by sensitive man-made land uses (<i>hospitals, schools, places of worship, community facilities</i>)	Yes	Village Mehragaon is 0.5km from mine site
10	Areas containing important, high quality or scarce resources (<i>ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals</i>)	No	NA
11	Areas already subjected to pollution or environmental damage. (<i>those where existing legal environmental standards are exceeded</i>)	No	No critically polluted areas are located within 10 km radius as declared by CPCB.
12	Areas susceptible to natural hazard which could cause the project to present environmental problems (<i>earthquakes, subsidence, landslides, erosion, flooding or extreme or adverse climatic conditions</i>)	No	II & III. The area is not prone to flood and earthquake. No such incident is reported in this area so far.

UNDERTAKING

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: 03/03/2019

Signature of applicant

Smt Anjali Mourya W/o Shri Bhagwat

Resi: C-41, Vishvavidhyalay Campus, Sagar (M.P.)

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