

FORM-1

Dewari Bamnau Stone Quarry

OF

Shri Jagat Prakash Yadav

AT

Khasra No. 121, 126

Vill.-Dewari Bamnau, Tehsil-Niwari ,

District-Tikamgarh (M.P.)

Production Capacity: 10,000 Cu.mt/year Stone

Area – 1.845 Hectare

Proponent Name

Shri Jagat Prakash Yadav S/o Shri Ramswaroop Yadav

Resi. – Village & post- Basowa, Tehsil- Orchha,

District - Tikamgarh (M.P.)

APPENDIX -I

(See paragraph – 6)

FORM 1

(I) Basic Information

S. No.	Item	Details
1.	Name of the project	Dewari Bamnau Stone Quarry of Shri Jagat Prakash Yadav S/o Shri Ramswaroop Yadav
2.	S. No. in schedule	Schedule 1(a) 'B2' category
3.	Proposed capacity / area / length / tonnage to be handled / command area / lease area / number of wells to be drilled	Proposed Production: Stone Production: 10,000 Cu.mt/year Mining Lease Area: 1.845 hect. Proposed Lease Period: 10 Years Land: Govt. Land
4.	New / Expansion / Modernization	New Project
5.	Existing Capacity/Area etc.	1.845 hect. Mining area
6.	Category of Project i.e. 'A' or 'B'	B2' category
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-Dewari Bamnau, Tehsil-Niwari, District-Tikamgarh (M.P)
	Plot/Survey/Khasra No.	Khasra no- 121, 126
	Village	Dewari Bamnau
	Tehsil	Niwari
	District	Tikamgarh
	State	Madhya Pradesh
10.	Nearest railway station/airport along with distance in kms.	The nearest Railway Station Barwa sagar about 9.0 Km from mine site. The nearest Airport is Jhansi is about 22.70 km from mine site.

11.	Nearest Town, city, District Headquarters along with distance in kms.	The nearest city is Niwari which is about 6.50 km from mine site. The District Head Quarter is Tikamgarh which is about 74 km from mine site.
12.	Village Panchayats, Zilla Parishad, Municipal Corporation, Local body (complete postal addresses with telephone nos. to be given)	Village Panchayats- Dewari Bamnau
13.	Name of the applicant	Shri Jagat Prakash Yadav S/o Shri Ramswaroop Yadav
14.	Registered Address	Resi. – Village & post- Basowa, Tehsil- Orchha, District - Tikamgarh (M.P.)
15.	Address for correspondence:	Resi. – Village & post- Basowa, Tehsil- Orchha, District - Tikamgarh (M.P.)
	Name	Shri Jagat Prakash Yadav
	Designation (Owner/Part ner/CEO)	Owner
	Address	Resi. – Village & post- Basowa, Tehsil- Orchha, District - Tikamgarh (M.P.)
	Pin Code	472246
	E-mail	jagatprakashyadav7@gmail.com
	Telephone No.	9452180630
	Fax No.	Not Available
16	Details of Alternative Sites examined, if any Location of these sites should be shown on a Topo sheet.	N.A. Mining of Crusher Stone is site specific project.
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?	No
	(b) The wild life (Protection) Act, 1972?	No
	c) The C.R.Z. Notification, 1991?	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 or court case is pending against proposed project.
<ul style="list-style-type: none"> <i>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.,)</i> 		

(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	The topography of the core zone will change once mining is over in the form of open pit, haul road and dumping site.
1.2	Clearance of existing land, vegetation and buildings?	Yes	Some existing tree will be removed prior actual mining works. The scattered scrub vegetation will also be removed as needed during the course of mining.
1.3	Creation of new land uses?	Yes	Open pit and dumping site will be created during mining activities. Plantation will be grown on dumping site and benches of the pit for stabilization. The lower part of the pit will be converted as water reservoir after mining is over.
1.4	Pre-construction investigations e.g. bore houses, soil testing?	No	N.A.
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 construction for site workers as they will be employed from nearby villages. Only temporary rest shelter will be built.
1.8	Above ground buildings, structures or earthworks including linear structures, cut And fill or excavations	yes	Only excavations related to mining operations will be carried out.
1.9	Underground works including mining or tunneling?	No	N.A.
1.10	Reclamation works?	No	No
1.11	Dredging?	No	N.A.
1.12	Offshore structures?	No	N.A.
1.13	Production and manufacturing processes?	Yes	Manual and Semi Mechanized method of mining will be adopted for open cast mining.
1.14	Facilities for storage of goods or materials?	No	Mineral and goods will be stored in mine area..
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	Yes	Solid waste like rejected grit will be disposed of at designated dumpsite as per approved mining plan. No liquid effluent will be discharged from the lease area.
1.16	Facilities for long term housing of operational workers?	No	The mine workers will be from nearby villages hence long term housing facility is not required.
1.17	New road, rail or sea traffic during construction or operation?	Yes	During operation phase, there will be slight increase in present traffic.
1.18	New road, rail, air waterborne or other transport infrastructure including new or altered routes and stations,	No	The existing road in the area will be used for the transportation of minerals and machinery.
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	N.A.
1.21	Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	No	No

1.22	Stream crossings?	No	N.A.
1.23	Abstraction or transfers of water form ground or surface waters?	No	Required water for mining activities will be sourced through tanker from nearby village.
1.24	Changes in water bodies or the land surface affecting drainage or run-off?	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 would use their own travel means hence do not require any transport. Materials will be transported by vehicles.
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	No decommissioning activities.
1.28	Influx of people to an area in either temporarily or permanently?	Yes	About 10-15 people will get employment and most of them from nearby villages.
1.29	Introduction of alien species?	No	Local species will be planted.
1.30	Loss of native species or genetic diversity?	Yes	Exiting trees along with sparsely developed scrub will be removed during mining. However permission will be sought from the competent authority prior uprooting the trees.
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)	Yes	The mine area is non forest Government waste land
2.2	Water (expected source & competing users) unit: KLD	Yes	5-8 KLD water will be used and will be procured from nearby villages.
2.3	Minerals (MT)	No	No minerals are required for execution of this project.

2.4	Construction material - Crusher Stone, aggregates, sand / soil (expected source - MT)	No	No construction material is required for this project. On the other hand, construction material will be produced.
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	No electricity required as mining activities will be undertaken during the day. If power needed for night patrolling around mine lease area, then possibility of using solar energy will be explored. However for transportation of minerals excavated, fuel will be consumed.
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	There will be no adverse effect on welfare Of the people. On the other hand, standard of living of locals will improve due to earnings from mining activities.
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	Transportation is one of the major activities during the project. Accidents may occur, which can be avoided by taking due care and precautions.

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	Thin layer of top Soil will be scrapped and will be used for plantation. Overburden will be utilized in approach road construction and its maintenance.
4.2	Municipal waste (domestic and or commercial wastes)	No	No municipal waste will be generated. Waste water from office toilet will be discharged into the soak pits.
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	N.A.
4.8	Redundant machinery or equipment	No	N.A.
4.9	Contaminated soils or other materials	No	No contaminated soil or other material anticipated to be encountered during mining.
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.	Yes	During operational phase there may be emissions by movement of vehicles (vehicular exhaust) which will be minimized by using only PUC certified & Bharat IV Stage vehicles in the mining lease area.

5.2	Emissions from production processes	Yes	The production process includes excavation and loading generating minor emission with little impact on environment.
5.3	Emissions from materials handling including storage or transport	Yes	Some dust is likely to be emitted during transportation of minerals i.e. dust, vehicular exhaust anticipated during loading, unloading of excavated material. However adequate measures will be taken to suppress the dust and preventing it to become airborne.
5.4	Emissions from construction activities including plant and equipment	No	No construction activities will be undertaken.
5.5	Dust or odours from handling of materials including construction materials, sewage and waste	Yes	Dust emission is expected during handling of minerals i.e. during loading of minerals.
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	No material waste will be burnt in open air.
5.8	Emissions from any other sources	No	None

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	Yes	Noise from operation of drill machine, excavation, dumpers etc. expected to be very little causing minimal impact.
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 during mining activities.
6.4	From blasting or piling	Yes	No conventional blasting practiced for routine works. It's occasionally used when hard capping of overburden or hard formation encountered.

6.5	From construction or operational traffic	Yes	Movement of dumpers during operational phase will produce very little noise and have negligible impact.
6.6	From lighting or cooling systems	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	Since no hazardous material will be used or produced at the site, no risk of contamination of land or water 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 area.
7.3	By deposition of pollutants emitted to air into the land or into water	No	Adequate measures to suppress dust and not to allow dust to become airborne will be provided.
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	Scraping of accumulated dust build-up on road will be done frequently to keep the road in good order, thus avoiding any risk to environment.

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	N.A.

8.2	From any other causes	Yes	Risk of accidents expected during operational phase are: <ol style="list-style-type: none"> 1. During transportation 2. During Excavations. 3. During loading of minerals into tractor trolleys. They can be avoided by taking due care and precautions.
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 floods and earthquakes. So far no such incidents have been reported in the area.

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.) • housing development • extractive industries • supply industries • other 	No	With improvement in the availability of Employment, living standard of the people will raise, which itself may lead to build economic structure of the society. These are positive impacts.
9.2	Lead to after-use of the site, which could have an impact on the environment	Yes	The proposed green development will enhance aesthetic beauty of the area and open pit will be used as a recharge pond for the local aquifer. Overall a positive impact
9.3	Set a precedent for later developments	Yes	Proposed mining activity can set a precedent for increase in infrastructure developmental activity.

9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects	No	N.A.
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(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	No such protected areas are present in the vicinity.
2	Areas which are important or sensitive for ecological reasons - Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests	Yes	One river (Betwa River) 5.0 km north-west and flows west north. 1 st pond - west near village Tilaetha 2 nd pond - 2.40km west near village Sanora 3 rd Barwasagar Tal- 5.00 km south village Barua sagar 4 th pond - 7.80km southeast near village Niwari 5 th pond- 11.0 km southeast, near village Siddha Toriya, 6 th pond - 5.7km northeast near village PucchikarGuan 7 th pond - 9.4km northeast near village Bakua Khurd
3	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, overwintering, migration	Yes	Betwa River and Ponds of Barua Sagar, Siddha Toriya and Niwari likely to have habitat for fish and other aqua species.
4	Inland, coastal, marine or underground waters	No	N.A.
5	State, National boundaries	Yes	State Boundary ~0.50 km away from mine site..
6	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	Yes	There is a village road about 0.50 km from mine site., NH-75 Road about 4.90 km south
7	Defense installations	No	N.A.

8	Densely populated or built-up area	Yes	There are about 15 villages with dense population and built up areas. Few the nearest ones are: 1) Tilaetha about 2.30km south-west 2) Tendol about 1.9km about East 3) Biharipura 1.3 km southeast
9	Areas occupied by sensitive man-made land uses (hospitals, schools, places of worship, community facilities)	Yes	Above mentioned villages are having primary health services and educational institutes including places of worship like mandir or masjid.
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	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 (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 issued, if any to the project will be revoked at our risk and cost."

Date:

Place:

{Project Proponent/ Authorized Signatory}

**Shri Jagat Prakash Yadav
S/o Shri Ramswaroop Yadav
Resi. - Village & post- Basowa, Tehsil- Orchha,
District - Tikamgarh (M.P.)**