

FORM-1

**Bichpura Stone Quarry Deposit
Of
M/S Saroj Minerals & Stone Crushing Pvt.
Ltd.**

AT

Khasra No. 1032

Vill.-Bichpura, Tehsil-Barhi, District- Katni (M.P.)

**Production Capacity: 49400Cu.mt/year Crusher
Stone**

Area – 2.00 Hectare

Proponent Name

M/S Saroj Minerals & Stone Crushing Pvt. Ltd.

Director Shri Rahul Gupta

Address – New Bus Stand,

District- Katni, M P

APPENDIX - I
(See paragraph - 6)
FORM 1

(I) Basic Information

S. No.	Item	Details
1.	Name of the project	Bichpura Stone Quarry Deposit of M/S Saroj Minerals & Stone Crushing Pvt. Ltd. Director Shri Rahul Gupta
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 Production: Crusher Stone Production: 49400 Cu.mt/year Mining Lease Area: 2.00 Hect. Proposed Lease Period: 10 Years Land: Govt Land
4.	New / Expansion / Modernization	Existing
5.	Existing Capacity/Area etc.	2.00 Hect. Mining area
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-Bichpura , Tehsil-Barhi, District-Katni (M.P)
	Plot/Survey/Khasra No.	Khasra no- 1032
	Village	Bichpura
	Tehsil	Barhi
	District	Katni
	State	Madhya Pradesh
10.	Nearest railway station/airport along with distance in kms.	The nearest Railway Station is Katni which is about 58 KMS from mine site. The nearest Airport is Indore which is about 186 KMS from mine site.

11.	Nearest Town, city, District Headquarters along with distance in kms.	The nearest city is Katni which is about 57 KMS from mine site. The nearest District Head Quarter is Katni which is about 56 KMS from mine site.
12.	Village Panchayats, Zilla Parishad, Municipal Corporation, Local body (complete postal addresses with telephone nos. to be given)	Village Panchayats- Bichpura
13.	Name of the applicant	M/S Saroj Minerals & Stone Crushing Pvt. Ltd. Director Shri Rahul Gupta
14.	Registered Address	New Bus Stand, Katni, District- Katni- (M.P.)
15.	Address for correspondence:	New Bus Stand, Katni, District- Katni- (M.P.)
	Name	Shri Rahul Gupta
	Designation (Owner/Partner/CEO)	Director
	Address	New Bus Stand, Katni, District- Katni- (M.P.)
	Pin Code	458990
	E-mail	saroj01stone@rediffmail.com
	Telephone No.	9425153473, 9425323779
	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 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	Topographically the sanctioned Quarry lease area is part of mound having elevation of 405 m The local slope of the area is radial and all nearby dendrites are meeting toward the South 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 except some natural vegetations (shrub) existing in the lease area which will be cleared as and when required.
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?	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 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	N.A.
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	Semi Mechanized method of mining will be adopted for open cast Semi Machanized mining.
1.14	Facilities for storage of goods or materials?	Yes	Storage facility for mineral and goods is available in the mine area.
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	Yes	Solid waste like lump, grit is disposed of at earmarked dumpsite as per approved mining plan. There is no liquid effluent is discharge from the lease area.
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	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	Total Water requirement estimated is about 4 KLD 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 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 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	N.A.
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 15 people will get employment. Most of the people will be employed 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	Due to mining activity some grasses & shrubs will be removed.
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 applied area is Govt Land .
2.2	Water (expected source & competing users) unit: KLD	Yes	4 KLD water will be used and will be procured from nearby villages.

2.3	Minerals (MT)	Yes	Crusher Stone Production: 49400 Cu.mt/year
2.4	Construction material - Crusher 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	No electricity is required.
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	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	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	Thin layer of OB will be scrapped ahead of working in Crusher Stone formation and this thin layer of OB is consider under waste and it will be used for making and maintenance of approach road.
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 of soils or other materials 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.	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	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. Their expected emission will be very less and will have less 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 in mining activity.
6.4	From blasting or piling	Yes	No conventional blasting is being practiced in routine. Very occasionally Rock Breakers will be used for removal of hard capping of overburden when ever encountered.
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	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	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	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	N.A.
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	<p>Lead to development of supporting, lilies, ancillary development or development stimulated by the project which could have impact on the environment e.g.:</p> <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	<p>It is not anticipated to develop the supporting facilities or ancillary development of such extent to impart any adverse effect/ impact on the environment.</p> <p>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.</p>
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	N.A.
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects	No	N.A.

(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	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, 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, about 40 m in N direction, from mining area.
7	Defence installations	No	N.A.
8	Densely populated or built-up area	Yes	Village Bichpura is 1 km from area in NE direction.
9	Areas occupied by sensitive man-made land uses (hospitals, schools, places of worship, community facilities)	Yes	Village Bichpura is 1 km from area in NE direction.
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 give, if any to the project will be revoked at our risk and cost."

Date:

Place:

{Project Proponent/ Authorized Signatory}

M/S Saroj Minerals & Stone Crushing Pvt. Ltd.

Director Shri Rahul Gupta

Address – New Bus Stand,

Katni, District- Katni 458990 (M.P.)