

FORM 1

(I) Basic Information

S. No.	Item	Details															
1.	Name of the project/s	Proposed Colour Granite mine of M/s. Sri Vaishnavi Granites															
2.	S.No. in the schedule	Item- 1(a) (Mining of Minerals)															
3.	Proposed capacity /area/length/tonnage to be handled/command area/lease area/number of wells to be drilled.	8000 m ³ /annum (Economical-3200m ³ +Sub-grade-4800m ³ = 8000m ³); QL area: 2.31Ha															
4.	New/Expansion/Modernization	New															
5.	Existing Capacity/Area etc.	Not Applicable															
6.	Category of Project i.e. 'A' or 'B'	Category 'B' (B2)															
7.	Does it attract the general condition? If yes, please specify.	The general conditions do not apply to this proposal.															
8.	Does it attract the specific condition? If yes, please specify.	The specific conditions do not apply to this proposal.															
9.	Location Plot/Survey/Khasra No. Village Tehsil District State	<table border="1"> <thead> <tr> <th>S. No.</th> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>18°29' 03.6347"N</td> <td>79° 00' .35.6184 "E</td> </tr> <tr> <td>2.</td> <td>18°29' 59.8000"N</td> <td>79° 00' 34.1000"E</td> </tr> <tr> <td>3.</td> <td>18°29' 01.7000"N</td> <td>79° 00' 27.9000"E</td> </tr> <tr> <td>4.</td> <td>18°29' 06.1000"N</td> <td>79° 00' 31.6000"E</td> </tr> </tbody> </table>	S. No.	Latitude	Longitude	1.	18°29' 03.6347"N	79° 00' .35.6184 "E	2.	18°29' 59.8000"N	79° 00' 34.1000"E	3.	18°29' 01.7000"N	79° 00' 27.9000"E	4.	18°29' 06.1000"N	79° 00' 31.6000"E
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Sy. No. 212 of Achampally Village, Gangadhara Mandal, Karimnagar District, Telangana State																	
Karimnagar Railway Station – 14.34km due SE																	
Rajiv Gandhi International Airport is about 150.68km NE																	
Kakinada Seaport – 381.28 km due SE																	
10.	Nearest Railway station/Airport along with distance in km.																
11.	Nearest Town, city, district Headquarters along with distance in kms.	Chinna Achampalli is the nearest village – 1.98 km (SW)															
12.	Village Panchayats, Zilla Parishad, Municipal Corporation, Local body (complete postal addresses with telephone nos. to be given)	Achampally Village & Panchayat , Gangadhara Mandal, Karimnagar District, Telangana															
13.	Name of the applicant	Sri V.Mahendra Rao															
14.	Registered Address	H.No.2-10-2016, Bhagyanagar, Karimnagar District, Telangana State.															

15.	Address for correspondence: Name Designation (Owner/Partner /CEO) Address Pincode E-mail Telephone No.	M/s. Sri.Vaishanavi Granite Proprietor : Sri V.Mahendra Rao H.No.2-10-2016, Bhagyanagar, Karimnagar District, Telangana State. ssmntpl@gmail.com
16.	Details of Alternative Sites examined, if any. Location of these sites should be shown on a topo sheet.	The mineral being extracted is site specific and hence no alternative sites were examined.
17.	Interlinked Projects	Not Applicable
18.	Whether separate application of interlinked project has been submitted?	Not applicable
19.	If yes, date of submission	Not applicable
20.	If no, reason	Not applicable
21.	Whether the proposal involves approval/clearance under: if yes, details of the same and their status to be given. i. The Forest (Conservation) Act, 1980? ii. The Wildlife (Protection) Act, 1972? iii. The C.R.Z. Notification, 1991?	Not applicable
22.	Whether there is any Government Order/Policy relevant /relating to the site?	Department of Mines & Geology, Hyderabad, Notice No. 3704/R1-3/2016dated 9-03-2016 granted the quarry lease. The Mining plan Approval Letter No.4680/MP/KMNR/2016dated 6-04-2016.
23.	Forest land involved (hectares)	No forest land is involved.
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 the proposed project.

(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	Yes	There will be permanent change in land cover due to the proposed activity. Quarry operations will be carried out by close

	use plan)		space drilling along a straight line and charged with explosives to avoid feather cracks. During the life of the mine, the mined out pit will be backfilled and greenbelt will be developed all along the approach roads and southern-eastern side of mining lease area.
1.2	Clearance of existing land, vegetation and buildings?	Yes	There are no buildings and vegetation is sparse in lease area.
1.3	Creation of new land uses?	Yes	Present land use will be changed with commencement of mining activities. After completion of mining activities, the mined out pit will be backfilled and greenbelt will be developed along approach roads and west side.
1.4	Pre-construction investigations e.g. bore houses, soil testing?	No	Site survey was carried out.
1.5	Construction works?	No	A common office room, rest shelter, first aid facilities and Toilets will be provided within the site at the south east side in the buffer zone.
1.6	Demolition works?	No	There are no existing buildings in the lease area. Hence, no demolition works are involved.
1.7	Temporary sites used for construction works or housing of construction workers?	No	Not envisaged.
1.8	Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations	Yes	Open Cast Semi- mechanized mining is envisaged.
1.9	Underground works including mining or tunneling?	No	The mining will be followed in the form of linear cut method. Semi-mechanized Open cast method by developing benches. However, no underground mining or tunneling is envisaged.
1.10	Reclamation works?	No	The worked out pit will be reclaimed after excavation of the material.
1.11	Dredging?	No	Not applicable
1.12	Offshore structures?	No	Not applicable
1.13	Production and manufacturing processes?	Yes	Proposed annual production of Colour Granite will be 8000 Cu. m. The mining will be Semi - mechanized opencast mining, employing drilling and blasting for breaking the overburden and Black Granite, using compressor operated Jack Hammer drills viz., hydraulic excavators to excavate the broken material and load the same into Tippers and Dumpers. The overburden will be hauled to the overburden dumps and stacking yards respectively. Transportation will be made by trucks to dispatching point.
1.14	Facilities for storage of goods or materials?	Yes	Stock yard and waste dump yard facilities are identified for storage of goods and materials in the quarry lease area.
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	Yes	Solid waste generated from the mine will be disposed to dump yard located at Western side.
1.16	Facilities for long term housing of operational workers?	No	Not envisaged.
1.17	New road, rail or sea traffic during	No	Existing haul roads will be utilized in the lease

	construction or operation?		area. No new rail network or sea route is proposed for the mining project.
1.18	New road, rail, air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc?	No	Approach road for the mine lease is being laid. No other major road, rail, transport network is envisaged for the mining project.
1.19	Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?	No	Not envisaged.
1.20	New or diverted transmission lines or pipelines?	No	Not envisaged.
1.21	Impoundment, damming, culvert, realignment or other changes to the hydrology of watercourses or aquifers?	No	Not envisaged.
1.22	Stream crossings?	No	Not envisaged
1.23	Abstraction or transfers of water from ground or surface waters?	Yes	Not envisaged
1.24	Changes in water bodies or the land surface affecting drainage or run-off?	Yes	Mining operations will be carried out on the plains of the rocky terrain. Hence neither ground water table nor the general surface drainage pattern is affected.
1.25	Transport of personnel or materials for construction, operation or decommissioning?	Yes	The mined out minerals will be transported by trucks.
1.26	Long-term dismantling or decommissioning or restoration works?	No	Not envisaged.
1.27	Ongoing activity during decommissioning which could have an impact on the environment?	No	Not envisaged.
1.28	Influx of people to an area in either temporarily or permanently?	No	No influx of people is envisaged as the total manpower required during operational stage will be 15 including labor.
1.29	Introduction of alien species?	No	Not envisaged
1.30	Loss of native species or genetic diversity?	No	Not envisaged
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)	No	The quarry lease area is Government Land. No cultivation is carried out in quarry lease area.
2.2	Water (expected source & competing users) unit: KLD	Yes	Total water requirement of the mining operations is about 3.7 KLD.

			This water will be sourced from water tankers.
2.3	Minerals (MT)	No	Not applicable
2.4	Construction material–stone, aggregates, sand/soil (expected source – MT)	Yes	Requirement of small quantities of construction materials are sourced from nearby areas for construction of office and rest shelter.
2.5	Forests and timber (source – MT)	No	Not applicable
2.6	Energy including electricity and fuels (source, competing users) Unit: fuel (MT), energy (MW)	Yes	This is open cast semi-mechanized mining. 200 liters/day of Diesel will be used for quarrying operations.
2.7	Any other natural resources (use appropriate standard units)	--	--

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	Not envisaged. It is proposed to use low explosives and less quantity to minimize the effects.
3.2	Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)	No	Not envisaged.
3.3	Affect the welfare of people e.g. by changing living conditions?	Yes	The proposed activity will provide employment to the local villagers thereby improving their living conditions.
3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.,	No	Not envisaged.
3.5	Any other causes	No	Not envisaged.

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	Yes	The waste will be dumped along the South-Eastern side of Q.L area. Waste will be stocked over an area of 3200Sq. m with height 10 m. During next five years about 24000 Cu. m waste material will be generated.
4.2	Municipal waste (domestic and or commercial wastes)	No	Not applicable

4.3	Hazardous wastes (as per Hazardous Waste Management Rules)	No	Not envisaged.
4.4	Other industrial process wastes	No	Not envisaged
4.5	Surplus product	No	Not envisaged
4.6	Sewage sludge or other sludge from effluent treatment	No	Not envisaged
4.7	Construction or demolition wastes	No	Not envisaged
4.8	Redundant machinery or equipment	No	Not envisaged
4.9	Contaminated soils or other materials	No	Not envisaged
4.10	Agricultural wastes	No	Not envisaged
4.11	Other solid wastes	No	Not envisaged

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	Emissions will be generated for machinery used for mining activities and from trucks used for transportation activities.
5.2	Emissions from production processes	Yes	Fugitive dust will be generated from mining activities. Adequate control measures like water sprinkling will be taken to control fugitive dust and control devices will be used while drilling.
5.3	Emissions from materials handling including storage or transport	Yes	Emissions will be generated from blasting and transport.
5.4	Emissions from construction activities including plant and equipment	No	No major construction activities are envisaged.
5.5	Dust or odors from handling of materials including construction materials, sewage and waste	Yes	Dust will be generated during mining, blasting operations and transportation of materials. However, odor is not envisaged.
5.6	Emissions from incineration of waste	No	Not envisaged
5.7	Emissions from burning of waste in open air(e.g. slash materials, construction debris)	No	Not envisaged
5.8	Emissions from any other sources	No	Not envisaged

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 with source of information data
6.1	From operation of equipment e.g. engines, ventilation plant, crushers	Yes	Noise will be generated from transport vehicles, machinery and drilling operations.
6.2	From industrial or similar processes	No	Not envisaged
6.3	From construction or demolition	No	No major construction/ demolitions are envisaged.
6.4	From blasting or piling	Yes	Noise will be generated during blasting operation, which will be instantaneous in nature.
6.5	From construction or operational traffic	Yes	Noise will be generated from the trucks deployed for transportation of mined material
6.6	From lighting or cooling systems	No	Not envisaged
6.7	From any other sources	No	Not envisaged

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	Not envisaged.
7.2	From discharge of sewage or other effluents to water or the land (expected mode and place of discharge)	No	Not envisaged.
7.3	By deposition of pollutants emitted to air into the land or into water	No	Not envisaged.
7.4	From any other sources	No	----
7.5	Is there a risk of long term build up of pollutants in the environment from these sources?	No	----

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
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8.1	From explosions, spillages, fires etc. from storage, handling, use or production of hazardous substances	No	Blasting operations if required will be carried out but in a controlled manner.
8.2	From any other causes	No	Not applicable.
8.3	Could the project be affected by natural disasters causing environmental damage (e.g. Floods, earthquakes, landslides, cloudburst etc)?	No	Not applicable.

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 facilities, 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 wastewater treatment, etc.) • Housing development • Extractive industries • Supply industries • Other 	Yes	Supporting and ancillary development will take place. Not envisaged.
9.2	Lead to after-use of the site, which could have an impact on the environment	Yes	At the end of the life of the mine, the minedout pit will be converted into backfilled and greenbelt will be developed all along the approach roads and along the boundary on west side of the mine area which will increase the aesthetic beauty of the site.
9.3	Set a precedent for later developments	Yes	Ancillary industries will be developed as a consequence.
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects	Yes	Dust accumulation on the roads.

(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	-	-
2.	Areas which are important or sensitive for ecological reasons - Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests	Water Bodies: Maner River -9.38km South Namilla Chervuv -6.14km NE Mathula Vagu -6.73km West Kakatiya main Canal – 7.34km East Reserve Forests Nil	-
3.	Areas used by protected, important or sensitive species of flora and fauna for breeding, nesting, foraging, resting, over wintering, migration	-	-
4.	Inland, coastal, marine or underground waters	None	----
5.	State, National boundaries	None	----
6.	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	None	----
7.	Defense installations	None	----
8.	Densely populated or built-up area	Chinna Achampalli is the nearest village – 1.98 km (SW)	----
9.	Areas occupied by sensitive man-made land uses (hospitals, schools, places of worship, community facilities)	None	-
10.	Areas containing important, high quality or scarce resources(ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals)	None	----
11.	Areas already subjected to pollution or environmental damage. (those where existing legal environmental standards are exceeded)	None	----
12.	Areas susceptible to natural hazard which could cause the project to present environmental problems (earthquakes, subsidence, landslides, erosion, flooding or adverse climatic conditions)	None	----