

FORM – I

For

Environmental Clearance (EC)

Of

M/S. VIJAYA SAI MINERALS

COLOUR GRANITE

EXTENT: 8.900 HA

Sy. No. 1/P, Chennupalli (V) Ballikurava (M)

Prakasam District, A.P

Prepared & Submitted by



SV ENVIRO LABS & CONSULTANTS
BLOCK-B, B-1, IDA, AUTONAGAR -12
VISAKHAPATNAM, ANDHRA PRADESH
QCI No. 145



FORM- 1

(I) Basic Information

Sl. No	Item	Details
1.	Name of the project/s	M/s. Vijaya Sai Minerals Colour Granite Mining
2.	S.No. in the schedule	1 (a)
3.	Proposed capacity/area/length/tonnage to be handled/command area/lease area/number of wells to be drilled.	Colour Granite Mining in 8.900 Hectares Maximum 25476 M ³ /Annum
4.	New/Expansion/Modernization	New for EC
5.	Existing Capacity/Area etc.	8.900 Ha
6.	Category of Project i.e. 'A' or 'B'	Category – B ₂
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.	<u>Location</u> <u>Plot/Survey/Khasra No.</u> <u>Village</u> <u>Tehsil</u> <u>District</u> <u>State</u>	Sy. No.1/P, Chennupalli (V), Ballikurava (M), Prakasam (Dt) Andhra Pradesh
10.	Nearest railway station/airport along with distance in kms.	The nearest railway station is Narasaraopeta at 21.24 kms, Vijayawada airport at a distance of 100.27 kms
11.	Nearest Town, city, district Headquarters along with distance in kms.	Ballikurava at 5.94 Kms
12.	Village Panchayats, Zilla Parishad, Municipal Corporation, Local body (complete postal addresses with telephone nos. to be given)	Chennupalli Village Ballikurava Mandal Prakasam district Andhra Pradesh.

13.	Name of the applicant	M/s. Vijaya Sai Minerals
14.	Registered Address	M/s Vijaya Sai Minerals, Prop: Sri T. Mallikarjuna Rao, D.No:7-11-20(F), Beside MLA House, Lawyerpet, Ongole- 523002, Prakasam District, AP.
15.	<u>Address for correspondence:</u> <u>Name</u> <u>Designation (Owner/Partner /CEO)</u> <u>Pin code</u> <u>E-mail</u> <u>Telephone No.</u> <u>Fax No.</u>	Sri T. Mallikarjuna Rao Proprietor 523002 vsm8.90@yahoo.com 9848152818, 9885834338
16.	Details of Alternative Sites examined, if any. Location of these sites should be shown on a topo sheet.	NA
17.	Interlinked Projects	Nil
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 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?	NA NA NA
22.	Whether there is any Government Order/Policy relevant /relating to the site?	Assistant Director of Mines & Geology Ongole recommendations and the DMG, Ibrahimpatnam, vide memo No. 15866/R3-2/2016 Dated: 23/06/2017 has decided in principle to grant a quarry lease for Colour Granite over an extent of 8.900 Hectares in Sy. No: 1/P

		of Chennupalli Village, Ballikurava Mandal, Prakasam district, of A.P, in favor of M/s Vijaya Sai Minerals for a period of 20 years.
23.	Forest land involved (hectares)	Nil
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.	

(II) Activities

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 land is earmarked for mining of Colour Granite. It will be taken up in a total of 8.900 Ha of land.
1.2	Clearance of existing land, vegetation and buildings?	No	No vegetation is existing. No Buildings are there.
1.3	Creation of new land uses?	No	No extra new land will be used. The facility having 8.900 Ha of land. Within this land premises only the proposed activity will be taken up.
1.4	Pre-construction investigations e.g. bore houses, soil testing?	Yes	Site survey was carried out.
1.5	Construction works?	Yes	No structures will be constructed. Only temporary sheds will be provided during the excavation works

			for workmen resting.
1.6	Demolition works?	No	The site is not working mine. Therefore no demolition works. Do not contain any temporary / permanent structures. Therefore no demolition work will be carried.
1.7	Temporary sites used for construction works Or housing of construction workers?	No	Local manpower will be utilized for the construction work. Therefore no housing facility at construction site.
1.8	Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations	Yes	Above ground there are no structures or earthworks and do not require major civil works or cut / fill also.
1.9	Underground works including mining or tunneling?	Yes	Open cast-Semi mechanized only
1.10	Reclamation works?	No	No reclamation work
1.11	Dredging?	No	Not applicable
1.12	Offshore structures?	No	Not applicable
1.13	Production and manufacturing processes?	No	<ul style="list-style-type: none"> • The exposed sheet will be cut in the conventional manner by selecting a suitable platform. The platform will be constructed by digging away and machines will be positioned. The first cut will be a triangular cut. Further cutting will proceed as per the norms. • The exposed large size boulders will be tackled by line drilling in the Boulders vertically and horizontally and blasted with small charge of explosives, preferably gun power.

			<ul style="list-style-type: none"> The block thus separated, will be split in to smaller blocks at location as per the demand. After separation of blocks, these will be rolled down by the excavator for clearance and further operations.
1.14	Facilities for storage of goods or materials?	Yes	Temporary storage at site.
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	No	There will not be any effluents generation from the proposed unit. The only waste water generation is from domestic usage i.e., 1.6 KLD
1.16	Facilities for long term housing of operational workers?	No	Majority of manpower will be recruited from local people only. Therefore no housing scheme proposed.
1.17	New road, rail or sea traffic during construction or operation?	No	The site is well connected to roadway. No new road, rail or sea traffic required.
1.18	New road, rail, air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc?	No	Not applicable.
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	No transmission & pipeline existing.
1.21	Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or	No	Not applicable

	aquifers?		
1.22	Stream crossings?	No	No perennial streams in the site area.
1.23	Abstraction or transfers of water from ground or surface waters?	No	Water tanker is sufficient for the proposed unit.
1.24	Changes in water bodies or the land surface affecting drainage or run-off?	No	There is no water bodies present in the proposed site.
1.25	Transport of personnel or materials for construction, operation or decommissioning?	Yes	During construction, private tippers will be used to carry the materials. During operation diesel operated loaders and excavators will be used. There is no construction work in the site.
1.26	Long-term dismantling or decommissioning or restoration works?	No	--
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	--
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)	No	The present status of land is barren and un agricultural.

2.2	Water (expected source & competing users) unit: KLD	Yes	Dust suppression - 1.5 KLD Green belt - 1.5 KLD Domestic activity - 2.0 KLD Wire Saw cutting- 3.0KLD
2.3	Minerals (MT)	No	Not applicable
2.4	Construction material – stone, aggregates, sand / soil (expected source – MT)	No	No construction activity. Temporary shed will be constructed.
2.5	Forests and timber (source – MT)	No	No timber will be used.
2.6	Energy including electricity and fuels (source, competing users) Unit: fuel (MT), energy (MW)	Yes	In the fuel stored for vehicles transportation usage, Electricity consumption/Generator
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	No hazardous chemicals will be used. It requires only drilling and excavation.
3.2	Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases) 3.3 Affect the welfare of people e.g. by changing living conditions?	No	--

3.3	Affect the welfare of people e.g., by changing living conditions?	Yes	Due to this facility, living standards of surrounding people will be increases. i.e., Work will be generated for un-employed.
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?	--	---

4. Production of solid wastes during construction or operation or commissioning (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	85% of Wastage generated from Colour Granite mining and it will be stacked in dump yard.
4.2	Municipal waste (domestic and or commercial wastes)	No	--
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	Emissions will be generated for machinery used for mining activities and from trucks used for transportation activities.
5.2	Emissions from production processes	No	--
5.3	Emissions from materials handling including storage or transport	Yes	Emission of air borne dust is envisaged during transport of waste and movement of vehicles within the mine, and also during transport of waste from mine to the waste dump.
5.4	Emissions from construction activities including mine and equipment	No	--
5.5	Dust or odours from handling of materials including construction materials, sewage and waste	Yes	Dust arises during drilling activity, and transportation. Proper care will be taken during handling of material. During unloading of granite, water will be sprayed.
5.6	Emissions from incineration of waste	No	--
5.7	Emissions from burning of waste in open air (e.g. slash materials, construction debris)	No	--
5.8	Emissions from any other sources	No	--

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 mine, crushers	Yes	The noise generated from drilling activity.
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 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
8.1	From explosions, spillages, fires etc	No	--

	from storage, handling, use or production of hazardous substances		
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, lities, 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 developments	No	--
9.4	Have cumulative effects due to	No	--

	proximity to other existing or planned projects with similar effects		
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(III) Environmental Sensitivity

S.No.	Area	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	None with in 15 Km radius
2	Areas which are important or sensitive for ecological reasons - Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests	No	No sensitive areas within 15 km Radius. However Water Bodies: Ballikurava Cheruvu is at 3.81 kms Nagarjuna Sagar Right Bank Canal is at 5.77 kms.
3	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration	No	None with in 15 Km radius
4	Inland, coastal, marine or underground waters	No	None with in 15 Km radius
5	State, National boundaries	No	None with in 15 Km radius
6	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	Yes	Village roads are available connecting by Addanki – Naraketpalli state highway road network to the site.
7	Defense installations	No	None with in 15 Km radius
8	Densely populated or built-up area	Yes	Nearest habitation is Chennupalli

			Village at a distance of 2.85 kms
9	Areas occupied by sensitive man-made land uses <i>(Hospitals, schools, places of worship, community facilities)</i>	Yes	MPUP School at a distance of 1.27 Kms Govt Hospital facility area present at 3.94 Km of Tekkali town Lingaraja temple at 1.32 kms Sivalayam Temple present at 1.49 kms
10	Areas containing important, high quality or scarce resources <i>(Ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals)</i>	Yes	Nagarjuna Sagar Right Bank Canal is at 5.77 kms.
11	Areas already subjected to pollution or environmental damage. <i>(Those where existing legal environmental standards are exceeded)</i>	No	None with in 15 Km radius
12	Areas susceptible to natural hazard which could cause the project to present environmental problems <i>(Earthquakes, subsidence, landslides, erosion, flooding for extreme or adverse climatic conditions)</i>	No	None with in 15 Km radius

(IV) Proposed Terms of Reference for EIA studies:

"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: 10.09.2017,

Place: Ongole

For M/s Vijaya Sai Minerals

For M/s. Vijaya Sai Minerals

T. New/eduk

Proprietor

(Project Proponent /Authorized Signatory)

Note:

1. The projects involving clearance under Coastal Regulation Zone Notification, 1991 shall submit with the application a C.R.Z map duly demarcated by one of the authorized agencies, showing the project activities, w.r.t. C.R.Z (at the stage of TOR) and the recommendations of the State Coastal Zone Management Authority (at the state of EC). Simultaneous action shall also be taken to obtain the requisite clearance under the provisions of the C.R.Z Notification, 1991 for the activities to be located in the CRZ.
2. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden thereon (at the state of EC)."
3. All correspondence with the Ministry of Environment & Forests including submission of application for TOR/Environmental Clearance, subsequent clarifications, as may be required from time to time, participation the EAC Meeting on behalf of the project proponent shall be made by the authorized signatory only. The authorized signatory should also submit a document in support of his claim of being an authorized signatory for the specific project

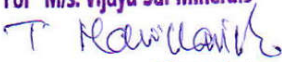
STANDARD TEMPLATE FOR EVALUATION OF ALL PROJECTS/ ACTIVITIES:-

S.No	Information required	Information to be furnished by the proponents
1	Name of the project or activity	M/s Vijaya Sai Minerals Mining of Colour Granite 25476 m ³ /annum
2	Name of the organization/owner.	M/s Vijaya Sai Minerals
3	Address for communication	M/s Vijaya Sai Minerals, Prop: Sri T. Mallikarjuna Rao, D.No:7-11-20(F), Beside MLA House, Lawyerpet, Ongole- 523002, Prakasam District, AP.
4	Telephone numbers	9848152818, 9885834338
5	Email ID of the organization or contact person	vsm8.90@yahoo.com
6	Location of the Proposed project or activity	Sy.No.1/P, Chennupalli Village, Ballikurava Mandal, Prakasam District.
7	Appraisal Category (B2 or B1)	B2
8	Nearest habitation and distance from the project or activity	Chennupallia village at 2.85 kms.
9	Installed capacity / Production Capacities	Mining of Colour Granite
10	Specify the Fuel (Coal / CNG / biomass/Others) and quantity required	--
11	Details of Land use/Land Cover	Enclosed
12	Occupancy, ownership of the land in which the activity is proposed: (Government land / Private land / Forest land /Revenue land /Temple land /leased land/ land belongs to other Department)	Govt. land
13	If it is a Forest land, the following details shall be furnished: (Whether it is a Reserved forest / Protected forest/Demarcated forest/ National Parks/Sanctuaries/any land in possession of Forest Department.) (The village map with Sy. No. indicating nearest forest boundary line from the site shall be enclosed)	No forest area covers under the proposed site area

14	Total investment of the project/activity.	Rs. 80 Lakhs
	a. Funds allocated for EMP (capital cost and recurring cost per annum)	Rs. 8.0 lakhs
15	Brief description of the project with special reference to specific pollution and its control measures.	<p>The method of mining shall be opencast Semi mechanized. Excavators shall be carried out by jack hammer drilling. Bench height and width will be maintained.</p> <p>During mining operations fugitive dust emissions will be generated. Control devices such as water sprinklers and covering drill with cloth will reduce the generation of dust.</p> <p>Noise levels will be increased during operations and these will be controlled with ears protection/use of latest noise Controlled equipment.</p> <p>Vibrations level during mining operations and these will be minimized by using low explosives and low quantities.</p> <p>Greenbelt will be developed all along the mining lease area.</p>
16	Compliance report on the following :	
	i. Status of compliance of the conditions and environmental safeguards stipulated in the earlier clearance letters.	Not applicable
	ii. Details of the court cases, if any, pending in any Court of Law against the project as well as any directions passed by the Court relating to the project directly or indirectly.	
	iii. Details of the notices, if any, given to the project under Section 5 of the Environmental (Protection) Act, 1986 and Section 18 of the Air (Prevention & Control of Pollution) Act, 1981.	
17	Whether the project attracts the provisions laid under the OM dt. 16.11.2012 issued by the MoE&F, GOI, w.r.t. violation of EIA Notification, 2006 and its amendments thereof? (Yes/No)	Yes
	Present stage and status of the project:	Mining Work not yet started.
18	Name of the Consultant:	SV Enviro Labs & Consultants Visakhapatnam

DECLARATION

- (a) I/We / For M/s Vijaya Sai Minerals, Colour Granite lease hereby declare that I/We/ our organization does not /do not have conflict of interest with the Chairmen and members of MOEF, New Delhi.
- (b) I/We hereby declare that **Sri T Mallikarjuna Rao; Proprietor** of our company / organization is/are authorized to submit the application and to do all necessary correspondence for obtaining environmental clearance from Ministry of Environment & Forests, New Delhi and to attend the meeting (s) of MOEF, New Delhi to present our case and to clarify the points raised by the Members of MOEF, New Delhi.
- (c) I/we hereby declare that the information furnished above is true to best of my/our knowledge and I/we shall hold personal liability for any deliberate misrepresentation and or concealment of factual information. If the information furnished is found to be false, the EC issued to our organization can be withdrawn and I/we are liable for action as per rules applicable.

Date: 10.09.2017	Place: Ongole	For M/s Vijaya Sai Minerals For M/s. Vijaya Sai Minerals  Proprietor Signature of the Applicant/ project proponent (Name and address of the Applicant)
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M/s. Vijaya Sai Minerals

Prop: Sri T. Mallikarjuna Rao, D.No: 7-11-20(F), Beside, MLA Home, Lawyer pet,
Ongole, A.P- 523002

Date: 10.09.2017,

To,
The Chairman,
State Level Environmental Impact Assessment Authority (SEIAA),
C/o. AP Pollution Control Board,
Sanath Nagar, Hyderabad.

Sir,

Sub:	SEIAA, Hyderabad – M/s Vijaya Sai Minerals Mining of Colour Granite– Intimation of the Authorized Signatory- Reg.
Ref:	Amendments to EIA-2006 notification issued vide S.O.1533 (E) Dt. 14.09.2006 by MoE&F, GOI.

With reference to above, it is to inform that the project proponent M/s Vijaya Sai Minerals Mining of Colour Granite has authorized Sri T.Mallikarjuna Rao, Proprietor of the organization to make all necessary correspondence with the SEIAA, Hyderabad on behalf of the proponent for obtaining the Environmental Clearance for their project proposed at Sy. No: 1/P of Cennupalli Village, Ballikurava Mandal, Prakasam Dist. A.P.

Yours faithfully,

For M/s Vijaya Sai Minerals.

For M/s. Vijaya Sai Minerals


Proprietor

Sy. No: 1/P, Cennupalli Village, Ballikurava Mandal Prakasam Dist.