

**PROPOSAL FOR ENVIRONMENTAL CLEARANCE
FOR**

GRANITE AREA

(Minor Mineral, Category – B2)

**Near Village- Koliwara, Tehsil – Sumerpur
District – Pali (Raj.)**

M.L No. – 06/18, Ref. No. 201810000422

Area – 3.0Hect.

Proposed Production Capacity – 100000 TPA

Project Cost: 0.90 Lakhs

PROJECT PROPONENT

SH. MOHIT SHUKLA S/O SH. GYAN PRAKASH SHUKLA

R/O – 54, VIJAY NAGAR,

MALVIYA NAGAR, D-BLOCK,

JAIPUR (RAJ.)

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FORM I

Project: Ref. No. 201810000422, Granite Area, Koliwara
Project Proponent: Smt. Mohit Shukla.

APPENDIX I
(See paragraph – 6)
FORM 1

(I) Basic Information

S. No.	Item	Details
1.	Name of the project	Granite Area
2.	S. No. in the schedule	S. No. 1(a) mining of mineral is Categorized in category “B2”. As per Gazette Notification dated 14th September 2006 & Office Memorandum dated 18.05.2012 & O.M. No. L- 11011/47/2011-IA. II (M) dated 24.6.13, 2014, 2015, 2018
3.	Proposed capacity/area/length/tonnage to be handled/command area/applied area/number of wells to be drilled	Proposed Capacity:- 100000TPA of Granite M.L. Area: 3.0 Ha.
4.	New/ Expansion/ Modernization	New
5.	Existing capacity / Area etc.	The Applied Area of 3.0 Hectares has been applied for the Proposed Production Capacity 100000TPA of Granite.
6.	Category of project i.e. ‘A’ or ‘B’	Category ‘B’
7.	Does it attract the general condition? If yes, papplied specify.	No
8.	Does it attract the specify condition? If yes, papplied specify.	No

9.	Location	<table><tr><th>S. No.</th><th>Particulars</th><th>Details</th></tr><tr><td>1.</td><td>Near Village</td><td>Koliwara</td></tr><tr><td>2.</td><td>Tehsil</td><td>Sumerpur</td></tr><tr><td>3.</td><td>District</td><td>Pali (Raj.)</td></tr><tr><td>4.</td><td>Toposheet No.</td><td>45 G/04</td></tr><tr><td>5.</td><td>FRP</td><td>Dubble Electric Pole</td></tr></table>	S. No.	Particulars	Details	1.	Near Village	Koliwara	2.	Tehsil	Sumerpur	3.	District	Pali (Raj.)	4.	Toposheet No.	45 G/04	5.	FRP	Dubble Electric Pole
		S. No.	Particulars	Details																
		1.	Near Village	Koliwara																
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		3.	District	Pali (Raj.)																
		4.	Toposheet No.	45 G/04																
		5.	FRP	Dubble Electric Pole																
Demarcation report is enclosed As Annexure No. I . The latitude of the FRP point is 25°10’59.37’’N & 73°06’56.07’’E.																				
Plot/ Survey/ Khasra No.	• Ref. No. 201810000422, Khasra No. 591/592.																			
Village	Koliwara (about 3.2 kms towards SSE)																			
Tehsil	Sumerpur (about 4.5 Kms from the applied area)																			
District	Pali (about 68 Kms from the applied area)																			
State	Rajasthan																			
10.	Nearest railway station/ airport along with distance in kms.	• Railhead: Jawai Bandh (about 8.11 Kms. in SSE) • Airport:- Dabok (about 100Kms. in SE)																		
11.	Nearest Town, city, District Headquarters along with distance in kms.	• Town: Sumerpur (about 4.5 Kms. in SW) • City: Sumerpur (about 4.5 Kms. in SW) • District Headquarter: Pali																		
12.	Village Panchayats, Zila Parishad, Municipal Corporation, Local body (complete postal addresses with telephone nos. to be given)	• Village Panchayat – Koliwara • Panchayat Samiti - Sumerpur • Nagar Palika – Sumerpur • Postal address with telephone no. Village & Post:- Koliwara Tehsil : Sumerpur District: Pali (Raj.)																		
13.	Name of the applicant/Applicant	Smt. Mohit Shukla S/o sh. Gyan Prakash Shukla R/o- 54, Vijay Nagar, Malaviya Nagar, D- Block Jaipur (Raj.) Mobile: - 087400-00000																		

14.	Registered Address	Smt. Mohit Shukla S/o sh. Gyan Prakash Shukla R/o- 54, Vijay Nagar, Malaviya Nagar, D- Block Jaipur (Raj.) Mobile: - 087400-00000
15.	Address for correspondence	Applicant:- Smt. Mohit Shukla S/o sh. Gyan Prakash Shukla R/o- 54, Vijay Nagar, Malaviya Nagar, D- Block Jaipur (Raj.) Mobile: - 087400-00000 Email:- mohitshukla00422@gmail.com Fax No.: Not Available Consultant: R.K. Consultants 17 – E/ 777, Chopasni Housing Board Jodhpur Tele Fax - 0291 - 2706098, E-mail: - rkconsultantsjodhpur@gmail.com
16.	Details of Alternative Sites examined, if any. Location of these sites should be shown on a topo sheet.	The Location Plan of the Applied Area has been enclosed in the Pre Feasibility Report. Topo sheet No. 45 G/04
17.	Interlinked Projects	None
18.	Whether separate application of interlinked project has been submitted?	Not Applicable
19.	If yes, date of submission	Not Applicable
20.	If no, reason	It's an independent project.
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? (b) The Wildlife (Protection) Act, 1972? (c) The C. R. Z. Notification, 1991?	No

22.	Whether there is any Government Order/ Policy relevant/ relating to the site?	The area was demarcated by the concerned authority. Demarcation report along with Superimposed Khasra Map is enclosed as Annexure No. I . Letter of intent was issued vide letter No. S.M.E/Jodh/CC/ Sojat/Minor/ Reference No. 201810000422/M.L No. 06/18/4548 dated 09/01/2019. Refer Annexure No. II for the copy of Letter of Intent. Area is not falling in the Aravali Hill Ranges.
23.	Forest land involved (hectares)	None
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 land in which this project is proposed to be set up.

Capacity corresponding to sectoral activity (such as production capacity for manufacturing mining Applied 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	<p>As per revenue records the area for the proposed project is categorized as Private Agriculture Land.</p> <ul style="list-style-type: none"> ▪ The Applied Area is having almost flat topography. The highest & lowest elevation RL in the area is 290 m & 287m. ▪ There is no public well and public road passing through the area. The rainwater flows down the slope of the area and flows into the nearby areas. ▪ Presently some thorny bushes & shrubs etc. are present in the area. ▪ The water table is 30-35 in post Monsoon below the general ground level of the Applied Area. ▪ At the end of life of mine total excavated area will be 2.51hectares. An area of about 1.4404 hectares will be left as for accumulation of rain water and 1.0696Hect will be backfilled. ▪ Total 1.0 hectare will be covered along the boundary barrier & backfilled area for plantation during the life of mine.

1.2	Clearance of existing land, vegetation and buildings?	Yes	<ul style="list-style-type: none"> ▪ The Applied Area comprises of the Private Agriculture Land and is devoid of any significant vegetation and building thus no clearance is required.
1.3	Creation of new land uses?	Yes	<ul style="list-style-type: none"> ▪ Mining and its related activities will change the land use pattern and topography of the area. ▪ The mined out pits will be reclaimed by flattening the mined out benches so that landscape matches with the local topography. ▪ The first year plantation comprising of Neem, gulmohar, shesum etc. will be done on 0.245 hectares on Boundary barrier and at the end of life of mine total 1.0 hectare area will be developed as Green Belt.
1.4	Pre-construction investigations e.g. bore houses, soil testing?	No	<ul style="list-style-type: none"> ▪ Bore Holes is proposed to investigation for mineral.
1.5	Construction works?	Yes	<ul style="list-style-type: none"> ▪ There will be significant construction activities in the Applied Area. ▪ An office cum store will be providing inside the Applied Area. ▪ The statutory requirements like store, First Aid Centre, Toilets, Blasting Shelters etc. will be providing inside the applied area.
1.6	Demolition works?	No	<ul style="list-style-type: none"> ▪ No demolition is proposed at the mining site.

1.7	Temporary sites used for construction works of housing of construction workers?	No	<ul style="list-style-type: none"> Local villagers will be employed thus No specific Site is required for Housing for the workers.
1.8	Above ground buildings structures , cut and fill or excavations	Yes	<ul style="list-style-type: none"> Construction of offices, toilets, rest shelter, First Aid center etc. will be made inside the Applied Area. Earthworks: Excavation operations for mining will be carried out.
1.9	Underground works including mining or tunneling?	No	<ul style="list-style-type: none"> Only Open cast mining will be done.
1.10	Reclamation works?	Yes	<ul style="list-style-type: none"> In the first five years no backfilling will be done. At the end of life of mine total excavated area will be 2.51hectares, in which about 1.0696 hectares area will be backfilled from O.B excavated & topsoil spread over it. An area of about 1.4404 hectares will be left as for accumulation of rain water The first year plantation comprising of Neem, gulmohar, shesum etc. will be done on 0.245 hectares on Boundary barrier and at the end of life of mine total 1.0 hectare area will be developed as Green Belt.
1.11	Dredging?	No	<ul style="list-style-type: none"> There is no Dredging involved in this Applied Area.
1.12	Offshore structures?	No	<ul style="list-style-type: none"> Not applicable

1.13	Production and manufacturing processes?	Yes	<ul style="list-style-type: none"> ▪ The proposed project of Granite mine shall be developed using the semi mechanized open cast mining method. ▪ The proposed production for the project is 100000TPA of Granite. ▪ The height of bench will not be kept more than 6.0mts at a time and the width of the benches will be always more than the height. ▪ Ultimate pit slope is proposed to be 45° from vertical. ▪ The waste material will be obtained while sizing of the mineral rock, and also at the time of blasting. The waste generated in the first five years will be 147043 MT and will be Backfilled. ▪ Soil is present in the Applied Area. In the first five years this soil present in the area will be removed and stacked separately for plantation purpose. Total 14149Cum of soil will be generated in the first five years.
1.14	Facilities for storage of goods or materials?	No	<ul style="list-style-type: none"> ▪ Mineral stacked inside the Applied Area.
1.15	Facilities for treatment of disposal of solid waste or liquid effluents?	Yes	<ul style="list-style-type: none"> ▪ Solid Wastes: The waste material will be obtained while sizing of the mineral and also at the time of blasting. The waste generated in the first five years will be 147043 MT and will be Backfilled. ▪ Soil is present in the Applied Area. In the

			<p>first five years this soil present in the area will be removed and stacked separately for plantation purpose. Total 14149 cum of soil will be generated in the first five years.</p> <p>▪ Liquid Waste: No STP & ETP is required as no waste water will generate.</p>
1.16	Facilities for long term housing of operational workers?	No	<p>▪ Local residents will get employment thus no housing facilities are required at the mine site</p>
1.17	New road, rail or sea traffic during construction or operation?	No	<p>▪ Existing road network will be adequate.</p>
1.18	New road, rail or air waterborne or other transport infrastructure including new or altered routed and stations, ports, airports etc.?	No	<p>▪ Existing road network will be adequate.</p>
1.19	Closure or diversion of existing transport routes or infrastructures leading to changes in traffic movements?	No	<p>▪ There will be no such change caused due to the proposed project.</p>
1.20	New or, diverted transmission lines or pipelines?	No	<p>▪ There is no proposal for new construction or diversion of any transmission lines or pipelines.</p>
1.21	Impoundment, damming, culverting, realignment of other changes to the	No	<p>▪ There is no water course falling in this Applied Area.</p>

	hydrology of watercourses of aquifers?		
1.22	Stream crossings?	No	<ul style="list-style-type: none"> There is no stream (perennial or Seasonal) within the Applied Area.
1.23	Abstraction or transfers of water form ground or surface waters?	Yes	<ul style="list-style-type: none"> The daily water demand will be only 3 KLD - 4 KLD for mining and allied activities, which will be made available from nearby tube wells, water tank and villages through water tankers. The domestic water demand will be met from the tube well & water tank. Water stored in the pit during the rainy season will be used in plantation and dust suppression. There will be no water abstraction within Applied Area. Mine workings will not intersect the ground water table. Ultimate depth of Pit will be 35.0 m. The level of ground water table is 30m-35m. Thus, ground water table will not be encountered during working in the mine.
1.24	Changes in water bodies or the land surface affecting drainage or run- off?	Yes	<ul style="list-style-type: none"> Presently no water body or drainage is passing through the Applied Area. Thus no change is anticipated on the water bodies, drainage or run off. A part of the excavated area will be used for water storage and will create a positive impact on the topography of the area.

1.25	Transport of personnel or materials for construction operation or decommissioning?	No	<ul style="list-style-type: none"> ▪ The staff and the workers involved in the project will use the local transport for commutation to the project area. ▪ Granite from the mine site will be transported by road by trucks.
1.26	Long-term dismantling or decommissioning or restoration works?	No	<ul style="list-style-type: none"> ▪ Long term restoration work goes concurrent with mining operations viz. stacking of mined out waste at earmarked place and development of green belt/plantation. ▪ During the conceptual period a part of the excavated area will be used for water storage, which will help in water harvesting.
1.27	Ongoing activity during decommissioning which could have an impact on the environment?	No	<ul style="list-style-type: none"> ▪ No activity of commissioning or Decommissioning is proposed in this mine area.
1.28	Influx of people to an area in either temporarily or permanently?	No	<ul style="list-style-type: none"> ▪ Technical and managerial staff will be employed for the operation of mines as per the qualifications mentioned in the rules and regulations. ▪ Preference to local residents from the nearby villages will be given for carrying out the mining process.
1.29	Introduction of alien species?	No	<ul style="list-style-type: none"> ▪ Only Local wild species which are already present will be given preference during afforestation programme.
1.30	Loss of native species or genetic diversity?	No	<ul style="list-style-type: none"> ▪ No significant loss of native species will occur

1.31	Any other actions?	No	▪ No other actions are proposed.
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2. Use of Natural resources for construction or operation of the project (Such as Land, water, material 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 Applied Area comprises of Private Agriculture Land (3.0 Ha.).
2.2	Water (expected source & competing users) unit: KLD	Yes	<ul style="list-style-type: none"> ▪ 3 KLD - 4 KLD of water will be required for mining and its allied activities and will be made available from the nearby tube wells and villages through water tankers. ▪ Water stored in the pit during the rainy season will be used for dust suppression and plantation.
2.3	Minerals (MT)	Yes	<ul style="list-style-type: none"> ▪ 100000TPA of Granite is proposed to be produced. ▪ Granite produced from this area will be supplied to local retailers.
2.4	Construction material – stone, aggregates, and / soil (expected source – MT)	No	▪ Temporary office will be providing at mine site, which will be abandoned with the closure of the mine.
2.5	Forests and timber (source – MT)	No	▪ There is no proposal to develop colonies for worker so no timber will be required.
2.6	Energy including electricity and fuel (source, competing users) Unit: fuel (MT) energy (MW)	No	▪ No Electricity is required as the machinery used in the mining operations will be diesel operated.

2.7	Any other natural resources (use appropriate standard units)	No	<ul style="list-style-type: none"> No other natural resource will be required.
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3. Use, storage transport handling or production of substance or material, 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 substance or materials which are hazardous (as per MSIHC rules) to human health or the environment (flora, fauna, and water supplies)	No	<ul style="list-style-type: none"> Ordinary Plan Detonator & Mili Second detonators & Safety Fuse will be used for blasting. The blasting will be done as and when required with all the adequate precautions, by the competent and authorized persons as per provisions of MMCR 1961.
3.2	Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)	No	<ul style="list-style-type: none"> Proper precautions will be taken up to maintain hygienic conditions of working.
3.3	Affect the welfare of people e.g. by changing living conditions?	Yes	<ul style="list-style-type: none"> Living conditions will change for better as beneficial aspects would be there due to employment generation.
3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patient, children, the elderly etc,	No	<ul style="list-style-type: none"> Impacts of this type are not expected as mine site is far away from settlements and no unauthorized person will be allowed to enter mining area.
3.5	Any other causes	No	<ul style="list-style-type: none"> Not Applicable.

4. Production of solid waste 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	<ul style="list-style-type: none"> ▪ The waste material will be obtained while sizing of the mineral and also at the time of blasting. Soil is present in the area which will be removed and stacked separately for plantation purpose ▪ The waste generated in the first five years will be 147043 MT and will be backfilled. ▪ Waste dumps will be stabilized by taking all the safety measures.
4.2	Municipal waste (domestic and or commercial wastes)	No	<ul style="list-style-type: none"> ▪ No municipal waste will generate thus no treatment is required.
4.3	Hazardous wastes (as per Hazardous Waste Management Rules)	No	<ul style="list-style-type: none"> ▪ No hazardous process waste will be generated from the proposed project.
4.4	Other industrial process wastes	No	<ul style="list-style-type: none"> ▪ As mineral beneficiation will not be done for the propose project there will be absence of any industrial process waste.
4.5	Surplus product	No	<ul style="list-style-type: none"> ▪ Granite excavated will be directly sent to the local retailers.
4.6	Sewage sludge or other sludge from effluent treatment	No	<ul style="list-style-type: none"> ▪ No sewage will generate thus no treatment is required.
4.7	Construction or demolition wastes	No	<ul style="list-style-type: none"> ▪ No Construction or demolition activity will be done in proposed area.
4.8	Redundant machinery or equipment	No	<ul style="list-style-type: none"> ▪ No redundant machinery or equipment will be left at site after closure of mining

			operation.
4.9	Contaminated soils or other materials	No	▪ Very insignificant
4.10	Agricultural wastes	No	▪ No Agricultural waste will be generated
4.11	Other solid waste	No	▪ No other solid waste will generate.

5. Reapplied of pollutants or any hazardous, toxic or noxious substance 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	<ul style="list-style-type: none"> ▪ Diesel equipments used for transportation and mining process will generate insignificant gaseous emissions. ▪ Mitigation Measures for controlling the gaseous emissions generating from Diesel equipments will be following:- Regular maintenance of equipments and machineries, Proper calibration of fuel injection pumps, Proper air/ fuel ratio Timely changing of oil filters etc. Proper maintenance of Silencers/ mufflers.

5.2	Emissions from production processes	Yes	<ul style="list-style-type: none"> ▪ Dust is the main pollutant which, will generate from the various production processes like drilling, blasting, Excavation Process, Mineral handling, transportation of mineral & Haul Road and Overburden Handling. ▪ The measures which will be followed to reduce the scale of dust emissions are:- <ol style="list-style-type: none"> 1. Wet drilling will be done. 2. Water sprinkling on haul roads. 3. Plantation to act as green barrier. 4. Regular maintenance of the transporting vehicles and the machineries.
5.3	Emissions from materials handling including storage or transport	Yes	<ul style="list-style-type: none"> ▪ Regular water sprinkling on haul roads will suppress the dust particles which will generate during material handling, loading of material into dumpers and during the transportation. ▪ Controlled loading and unloading will be done.
5.4	Emissions from construction activities including plant and equipment	No	<ul style="list-style-type: none"> ▪ Construction activity is proposed in the Applied Area.
5.5	Dust or odors from handling of materials including construction materials sewage and waste	Yes	<ul style="list-style-type: none"> ▪ Emission of dust due to movement of vehicles, drilling loading, unloading and blasting will produce impact on air. ▪ Measures like water sprinkling, green belt development and maintaining haul roads will reduce the dust emissions and impact

			on air. <ul style="list-style-type: none"> No odour will generate during the process.
5.6	Emissions from incineration of waste	No	<ul style="list-style-type: none"> No incineration activity is involved.
5.7	Emissions from burning of waste in open air (e.g. slash materials, construction debris)	No	<ul style="list-style-type: none"> No waste will be burnt in open air.
5.8	Emissions from any other sources	No	<ul style="list-style-type: none"> No other emissions will be there.

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	<ul style="list-style-type: none"> Noise generation will envisage due to mining operation like drilling & blasting and also from operation & movement of machinery. Standard measures will be taken up to control it. Measures like lubrication & preventive maintenance shall be taken to control noise from the machinery. PPE's like earmuff will be used by employees. Regular noise level monitoring will be done and noise level will be kept within permissible limits. The generated noise levels will be attenuated to a considerable level by the green belt within and around the mining

			Applied Area.
6.2	From industrial or similar processes	No	<ul style="list-style-type: none"> There is no proposal of process plant.
6.3	From construction or demolition	No	<ul style="list-style-type: none"> Construction or demolition will not be carried out for the purpose project.
6.4	From blasting or piling	Yes	<ul style="list-style-type: none"> Ordinary Plan Detonator & Mili Second detonators & Safety Fuse will be used for blasting. The blasting will be done as and when required with all the adequate precautions by the competent and authorized persons as per provisions of MMR 1961.
6.5	From construction or operational traffic	Yes	<ul style="list-style-type: none"> Due to vehicular traffic and material transportation within applied area, noise will generate but measures will be taken up to control the noise levels within the norms.
6.6	From lighting or cooling system	No	<ul style="list-style-type: none"> Mining will be done in day time so no lighting will be required and cooling systems are not required.
6.7	From any other sources	No	<ul style="list-style-type: none"> No other source of noise and vibration are there.

7. Risks of contamination of land or water from reapplied s of pollutants into the ground or into sewers, surface water 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	<ul style="list-style-type: none"> ▪ The proposed mine will not involve handling, storage and use of hazardous materials. ▪ Oiling and lubrication of hauling vehicles will be done by using oil tray to prevent spillage on soil. ▪ The blasting will be done as and when required with all the adequate precautions, by the competent and authorized persons as per provisions of MMCR 1961. ▪ Vehicles and machinery will be well maintained to prevent leakage of oil.
7.2	From discharge of sewage or other effluents to water or the land (expected mode and place of discharge)	No	<ul style="list-style-type: none"> ▪ There is no risk of contamination of land or water
7.3	By deposition of pollutants emitted to air into the land or into water	No	<ul style="list-style-type: none"> ▪ Dust generated during the mining process, loading and transportation may cause impact on the air but the measures followed will control the air pollutions. ▪ The waste material will be obtained while sizing of the mineral rock, and also at the time of blasting. ▪ Soil is present in the area. In the first five years this soil present in the area will be

			<p>removed and stacked separately for plantation purpose.</p> <ul style="list-style-type: none"> ▪ No liquid waste will generate due to mining and allied activities. Hence there is no risk of contamination of air, water and land. ▪ Regular/periodical monitoring will be done and results will be analyzed. Refer Annexure-IV for Environment Management Plan.
7.4	From any other sources	No	<ul style="list-style-type: none"> ▪ No other sources are there
7.5	Is there a risk of long term build up of pollutants in the environment from these sources	No	<ul style="list-style-type: none"> ▪ Not applicable as the applied area is a Private Agriculture Land and waste generated includes Granite pieces obtained while sizing & soil only which are non toxic in nature and thus will not risk of building up long term pollutants in the 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	Yes	<ul style="list-style-type: none"> ▪ Explosives will be handled with utmost care in compliance to rules and regulations and as per provisions of MMCR1961. ▪ Precautionary measures taken shall be by using the sand bags over the blast for the protection and on drill hole to control the fly rock.

8.2	From any other causes	Yes	<ul style="list-style-type: none"> ▪ Accidents by transport vehicles due to negligence and/or ignoring the safety aspects. ▪ Accidents during mining caused due to negligence of workers or bad mining practice. ▪ No loose stone or debris will be allowed to remain near the edges of excavation and along the sides of haul road. ▪ However, to deal the minor incidences and accidents, first aid measures at site will be provided.
8.3	Could the project be affected by natural disaster causing environmental damage (e.g. floods, earthquake, landslides, cloudburst etc)?	No	<ul style="list-style-type: none"> ▪ The project is located in the Seismic Zone II. There has been no flood, cloudbursts and landslide reported 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. Cities, ancillary development or development stimulated by the project which could	No	<ul style="list-style-type: none"> ▪ 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. ▪ Improvement in educational facilities.

	<p>have impact on the environment</p> <p>*Supporting infrastructure (roads, power supply, waste or waste water treatment, etc)</p> <p>* Housing development</p> <p>* Extractive industries</p> <p>* Supply industries</p> <p>* Other</p>		<ul style="list-style-type: none"> ▪ Provision of Health facilities will be implied. ▪ Conditions of the nearby village Roads will be improved.
9.2	Lead to after use of the site, which could have an impact on the environment	No	<ul style="list-style-type: none"> ▪ The Applied Area is located in the remote area with very little vegetation. The after use of site planned would be better than the present, owing to existing & proposed green belt development in Applied Area. ▪ The part of the excavated area will be used for the purpose of water storage and will develop the aesthetic beauty of the area.
9.3	Set a precedent for later developments	No	<ul style="list-style-type: none"> ▪ A better after use scenario with increase in greenery.
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects	No	<ul style="list-style-type: none"> ▪ No major industries except few mines of mineral Granite are located in the 10 km area. Thus there is likelihood of cumulative effect due to the transportation of mineral. ▪ A better planned and executed project has to yield a better result individually; which in turn has to give better cumulative effect also.

(III) Environmental Sensitivity

S. No	Areas	Name/ Identity	Aerial distance (within 15km,) Proposed project location boundary
1	Areas protected under international conventions, national or local legislation for their ecological, landscape cultural or other related value	No	<ul style="list-style-type: none"> No such place is there 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	Yes	<ul style="list-style-type: none"> Jawai River at about 5.94km towards SW Koliwara river 2.8km towards SE Jawai Canal 0.52km towards East Jakhora village pond 2.3km towards SE Koliwara village pond 3.6km towards SSE Seenap village pond 5.0km towards WWS Pomawa village pond 6.5km towards NW Khiwandi village pond 7.2km towards NW Rojda village pond 3.5km towards NW Sindroo dam 8.7km towards NE
3	Areas used by protected important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration	No	No such place is there in 15 km radius
4	Inland, coastal, marine or underground waters	No	<ul style="list-style-type: none"> No such place is there in 15 km radius

5	State, National boundaries	No	▪ No such place is there in 15 km radius																
6	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	No	▪ No such place is there in 15 km radius																
7	Defense installations	No	No such place is there in 15 km radius																
8	Densely populated or built up area	Yes	<table border="1"> <thead> <tr> <th>Village</th><th>Population</th><th>Distance</th><th>Direction</th></tr> </thead> <tbody> <tr> <td>Jakhora</td><td>3077</td><td>1.5</td><td>SE</td></tr> <tr> <td>Netra</td><td>1870</td><td>2.5</td><td>NE</td></tr> <tr> <td>Koliwara</td><td>3545</td><td>3.2</td><td>SSE</td></tr> </tbody> </table>	Village	Population	Distance	Direction	Jakhora	3077	1.5	SE	Netra	1870	2.5	NE	Koliwara	3545	3.2	SSE
Village	Population	Distance	Direction																
Jakhora	3077	1.5	SE																
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9	Areas occupied by sensitive man made land uses (hospitals, schools, places of worship, community facilities)	Yes	<ul style="list-style-type: none"> ▪ Govt Hospitals present at Sumerpur at about 4.5km distance towards NW ▪ Secondary School is at village Koliwara at about 3.2km distance towards SSE Govt college at Sumerpur at about 4.5km distance towards NW 																
10	Areas containing important, high quality or scarce resources, surface resources, forestry, agriculture, fisheries, tourism, minerals)	Yes	▪ Mineral Granite is abundantly available in this area. Thus only mining industry is the chief source of income.																
11	Areas already subjected to pollution or environmental damage (those where existing legal environmental standards are exceeded)	No	None within 15 km radius.																
12	Areas susceptible to	No	▪ The study area of the Applied Area falls in																

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Project Proponent: Smt. Mohit Shukla.

natural hazard which could cause the project to present environmental problems (Earthquakes, subsidence, landslides, erosion, flooding or extreme or adverse climatic conditions)		Zone II of the Seismic Map. ▪ There has been no incidence of landslide, earthquake or flooding.
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(IV) Proposed Term of Reference for EIA Studies

The Applied Area of Granite Area is situated near Village – Koliwara, Tehsil - Pali and District – Pali, Rajasthan in an area of 3.0hectare. Proposed Capacity is 100000TPA of Granite. As the project in reference to the EIA notification Sep, 2006 and its amendments December, 2009, April, 2011, September 2013 & December 2013 & 2016, 2018 has been categorized under B2. So project may be assessed for Environment Clearance.

Place: Pali

**Mohit Shukla
(Applicant)**

Date:

Enclosed: Pre Feasibility Project Report with Annexure