FORM – I

ENVIRONMENTAL CLEARANCE (EC)

(Under Clause 6 of S.O.1533 of Environment Impact Assessment Notification, 2006)

NAYAKI GRANITE & MASONERY STONE MINE NEAR VILLAGE -NAYAKI TEHSIL-KEKRI, DISTRICT-AJMER, (RAJASTHAN)

APPLIED AREA- 2.9945 HECTARE (PRIVATE LAND)

MINERAL- GRANITE & MASONERY STONE, CATEGORY - "B2"

PROJECT COST: 1.0 Crore

Environmental Clearance according to MoEF Notification No. 2731 dated 09/09/13 & O.M. dated 24.12.2013, 15.1.2016 this Lease area 2.9945ha.

PURPOSE: ENVIRONMENTAL CLEARANCE Proposed Production 3,01,392 TPA (ROM) of Granite & Masonary stone

LESSEE

M/S SHREE MINING STONE R/o. B-24, TULIP ENCLAVE, CENTRAL SPINE, VIDHYADHAR NAGAR, JAIPUR, DISTRICT – JAIPUR, (RAJASTHAN)

ENVIRONMENT CONSULTANT

M/s. N.S. ENVIRO-TECH LABORATORIES & CONSULTANT (NABET Accredited at S. No.104 Rev. 48,16 Dec, 2016)

Corpo Office:PLOT NO A-8 NEHA MEDICAL BUILDING, OPP.

ESI HOSPITAL, HASANPURA ROAD, SODALA,

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Quality Council of India



National Accreditation Board for **Education & Training**

CERTIFICATE OF ACCREDITATION

N. S. Enviro Tech Laboratories & Consultant, Jaipur

A-8, Neha Medical Building, Opp.-Esi Hospital, Hasanpura Road, Sodala, Jaipur -302006

are accredited under the QCI-NABET Accreditation Scheme for EIA Consultant Organizations (Version 3) for preparing EIA/EMP reports in the following sectors:

SI.No.		Sector (as per)		Cat.
	Sector Description	NABET	MoEFCC	Cat.
1	Mining of minerals including opencast/ underground mining	1	1 (a) (i)	Α
2	Building and construction projects	38	8 (a)	В
3	Townships and Area development projects	39	8 (b)	В

Note: Names of approved EIA Coordinators and Functional Area Experts are mentioned in IAAC minutes dated Nov 18, 2016 and Jan 13, 2017 posted on QCI-NABET website.

The Accreditation shall remain in force subject to continued compliance to the terms and conditions mentioned in NABET's letter of accreditation bearing no. QCI/NABET/ENV/ACO/17/0276 dated 08 March 2017. The accreditation needs to be renewed before the expiry date by N. S. Enviro Tech Laboratories & Consultant, following due process of assessment.

Certificate No.

NABET/ EIA/1619/ IA 0019

Issue date March 08, 2017

Expiry Date Aug. 15, 2019

For the updated List of Accredited Consultants please refer QCI-NABET website.

NABET is member of International Accreditation Forum (IAF) and Pacific Accreditation Cooperation (PAC)





LIST OF ANNEXURES

Annexure No.	Description			
I	Copy of Letter of Intent (LOI)			
11	Copy of Applied Map			
III	Copy of 500m Map			
IV	Copy of Lease Demarcation Letter			
V	Copy of Jamabandi & Khasra Map			
VI	Land: Stage wise land use and reclamation area (Ha.)			

LIST OF PLATES

Sr. No.	Description			
1	Key Plan			
2	Location Map			
3	Surface Plan			
4	Surface Geological Plan & Sections			
5	Mine Layout Plan & Section			
6	Year Working Plan			
7	Environment Plan of Sursagar Pachewar Granite & Masonry Stone Mine			
8	Progressive Mine Closure Plan & Section			
9	Conceptual Plan			

FORM – I

(I) Basic Information

S.	I Hom	Details
S. No.	Item	Details
1.	Name of the Project's	Nayaki Granite & Masonary Stone Mine (M.L. No -104/2018)
2.	S. No. in the schedule	1(a) B2 Category
3.	Proposed capacity / area / length / tonnage to be handled / command area / lease area / number of well to be drilled.	Proposed Production –3,01,392 TPA (ROM) of Granite & Masonary Stone Mines Lease area –2.9945 hectare.
4.	New / Expansion / Modernization.	New
5.	Existing capacity/ Area etc.	2.9945 hectare Lease area
6.	Category of Project i.e. "A" or "B"	"B2"
7.	Does it attract the general condition? If yes, please specify.	No
8.	Does it attract the specific condition? If yes, please specify.	No
	Location	
	Plot/Survey/Khasra No.	1715/1287, 1716/1288 & 1290
	Near Village	Nayaki
9.	Tehsil	Kekri
	District	Ajmer
	State	Rajasthan
10.	Nearest Railway Station / Airport along with distance in Km (by Road).	Nearest Railway Station is Nasirabad at a distance of 54.0 km in NW direction from the Nayaki village. Airport – Kishangarh at a distance of 73.0 km in NW direction from the village Nayaki
	Nearest Town	Kekri
11.	City	Ajmer
	District Headquarter	Ajmer (Rajasthan).
12.	Village Panchayat / Zila parishad / Municipal Corporation / local body.	
13.	Name of the Applicant/Lessee	M/S Shree Mining Stone
14.	Registered Address	R/oB-24, Tulip Enclave, Central Spine, Vidhyadhar Nagar, Jaipur (Rajasthan).
	Address for Correspondence	
	Name	Sh. Mukesh Kumar Sheshma
15.	Designation(Owner/Partner/CEO)	POH
15.	Address:	R/o.–B-24, Tulip Enclave, Central Spine, Vidhyadhar Nagar, Jaipur (Rajasthan).

	Pin code	302039
	E mail	shreeminingstone@gmail.com
	Telephone No./ Mobile No.	7023855551
	Fax No.	Not Available
	Details of Alternative Sites	N.A. Lease area is site specific. Key
1/	examined, if any. Location of	Plan Enclosed (Plate No. 2).
16.	these sites should be shown on a	
	topo-sheet.	
17.	Interlinked Project	No
	Whether separate application of	No
18.	interlinked project has been	
	submitted.	
19.	If yes, date of submission	N.A.
20.	If no reason	N.A.
	Whether the proposal involves	
	approval / clearance under :	
	a) The Forest (Conservation) Act,	No
21.	1980	
	b) The Wildlife (Protection)Act,	No
	1972	No
	c) The C.R.Z. Notification,1991	
22.	Forest land Involved(hectares)	No
	Whether there is any litigation	No
23.	pending against the project	
	and/or land in which.	

(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.)

	bodies, etc.)					
S. N o.	Information/Checklist confirmation				Yes / No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
1.	Permanent or temporary change in land use, land			Yes	1) The Lease Area comprises	
1	-	aphy inclu	-	rease in	. 00	Private Land.
'	intensity of land us					Titrate Lana.
	-	e (with resp	Ject to loca	ii iaiiu use		2) The tenegrouphy of the enection
	plan) Land u	use pattern	(Hects.)			2) The topography of the area is flat. The highest elevation of
	Land use Category	Pre Operation al Phase	Operation al Phase	Post Operationa		the lease area is 327mRL & lowest elevation is 327 mRL.
	Top Soil Dump			_==		3) The permanent change in
	Waste Dump (External)		0.0270			land use within the lease area due to mining. Detail of land
	Excavation (Voids Only)		2.1651	2.1651		use up to post-operational phase is given in tabular
	Road					form.
	Built Up Area		0.0090			
	Township Area					
	Afforestation		0.0650	0.8294		
	Reclamation (Backfilled)					
	Mineral Storage		0.0080			
	Processing (Crushing)					
	Undisturbed Area	2.9945	0.7204	0.0		
	Total	2.9945	2.9945	2.9945		
	*About 2.1651 hectare are					
2	. Clearance of existing land, vegetation and buildings?				The Lease area is Private Land (2.9945 hectare). Lease area is a part of hill and no buildings in the area. So no clearance will be required for existing land, vegetation, and building.	
3	Creation of new land uses?			Yes	In way of pitting & plantations. Details given in tabular form in above point 1.1.	
	Pre-construction invetesting?	estigations	e.g. bore h	ouses, soil	No	

1. 5	Construction works?	No	
1.	Demolition works?	No	
	housing of construction workers? nearby villages will be provide		The laborers deployed are from nearby villages only. Rest shelter will be provided. As per the rule 62 & 63 of Mines Rules 1955.
8	Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations.	Yes	Mine excavation in the form of pits.
	Underground works including mining or tunneling?	No	
	Reclamation works?	Yes	At the Post-operational Phase Planta In the post operational tion phase, about 500 saplings will be planted near Private land, road side and forest land area.
1. 11	Dredging?	No	
1.	Offshore structures?	No	
	Production & manufacturing processes?	Yes	Granite & Masonary stone – 3,01,392 TPA (ROM). Open Cast Mechanized method, Benches of 1to 6 m height and width more than height. Drilling will be done by Jackhammer. Jackhammer drill and with the wedging the big block are separated and toppled by using jacks. Big size block is further divided into small blocks by drilling and Wedge method. The granite material will be used in Decorated Stone.
1. 14	Facilities for storage of goods or materials?	Yes	In the office / store at project site.
1.	Facilities for treatment or disposal of solid waste or liquid effluents?		Granite mineral will be used in buildings, bridges, paving, monuments, and many other exterior projects. Indoors, polished granite slabs and tiles are used in countertops, tile

			floors, stair treads and man other design elements, and other which is 30% waste used is construction work. Granite is prestige material, used if projects to produce impression of elegance and quality & There is a 0.5 to 1.0 meter top so observed in upper layer will be in 0.01 ha) in the area.
	Facilities for long term housing of operational workers?	No	The mine workers are from nearby villages so no long term housing facility is required.
17	New road, rail or sea traffic during construction or operation?	No	Tipper/dumpers are required for material transportation from project site to destination.
18	New road, rail, air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc?	No	The existing mode transportation will be used. No new facility is required.
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	
21	Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	No	
1. 22	Stream crossings?	No	
1.	Abstraction or transfers of water form ground or surface waters?	Yes	The water stream or lake as surface water source in the corzone & Buffer zone are a follows:-
			Water Bodies Dist. Dir. (Km)
			Dai or Dain 5 N River
			Mansagar
			Rani ji ka 12.0 SE Talav
			Requirement of water in the area is mostly from Water tanker.
	Changes in water bodies or the land surface affecting drainage or run-off?	No	No change in water bodie drainage or runoff is anticipated
1.	Transport of personnel or materials for construction,	Yes	Road transportation for

25	operation or decommissioning?		personnel will be arranged by lessee vehicles and material will be transported by Tippers/dumpers.
	Long-term dismantling or decommissioning or restoration works?	No	
	Ongoing activity during decommissioning which could have an impact on the environment?	No	
	Influx of people to an area in either temporarily or permanently?	Yes	About 40 people were employed. Most of the people are employed from nearby villages.
1. 29	Introduction of alien species	No	
1. 30	Loss of native species or genetic diversity?	No	No loss of native species or genetic diversity.
1. 31	Any other actions	No	

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):

1116	aterials or energy, especially any resol	ii cez milicii	are non-renewable or in short si	uppiy):
S. No.	Information/checklist confirmation	Yes/ No	Details thereof (with appro quantities/rates, wherever pos- source of information d	sible) with
2.1	Land especially undeveloped or agricultural land(ha).	Yes	Private land is used for mining	J.
2.2	Water (expected source & competing users) unit : KLD	Yes	Water tanker and no compet Detail of water requirements as given below: 1. Dust Suppression 2. Drinking& Sanitation 3. Green belt	3.00 1.00 1.00
2.3	Minerals(MT)	Yes	Total – Granite & Masonary Stone TPA (ROM)	5.00 e–3,01,392
2.4	Construction Material-Stone, aggregates and /soil(expected source-MT)	No		
2.5	Forest and timber(Source-MT)	No		
2.6	Energy including electricity and fuels (source. Competing users) Unit : fuel(MT), energy(MW)		Electricity is required. D.G available at mine site. Fuel (be obtained from authorized station & about 0.5 KLD H.S. used.	HSD) will public fuel
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.

	or porcorrou risks to riuman nountin		
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	Drill hole will be filled with slurry explosive for column charge & booster and blasting with excel. Explosive will be handled and used by persons certified under MMR 1961.
3.2	Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)	No	
3.3	Affect the welfare of people e.g. by changing living conditions?	Yes	Mine management look after the undeveloped area to improve the socio-economic level and enhance the skill of the local people. About 40 persons got employed. Village Sursagar Pachewar is adopted for social development. Total fund is about Rs. 0.75 Lac /Annum.
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	No	

4.0 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	Soil, overburden or mine wastes	Yes	Total mineral will be used in the Building & road, construction etc. If soil encountered, soil will be stacked at separate site, and it will be simultaneously used for plantation. Waste will be used in the backfilled in the mined out area.
4.2	Municipal waste (domestic and or commercial wastes)	No	Domestic and office effluent will be treated in individual septic tanks.
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	No	Toilet waste will be attached to soak
	effluent treatment		pit, when removed used as fertilizer
			in plantation.
4.7	Construction or demolition wastes	No	
4.8	Redundant machinery or equipment	No	Not, till closer of mining operation.
			Machinery will be used at the other
			site.
4.9	Contaminated soils or other	No	
	materials		
4.1	Agricultural wastes	No	
0			
4.1	Other solid wastes	No	
1			

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	HSD (0.5 KLD) will be used in machineries during mining. Mostly mobile equipment's 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	Dust emission from handling of mineral and transport, which will be very less and cause very less impact.
5.4	Emissions from construction activities including plant and equipment	No	
5.5	Dust or odors from handling of materials including construction materials, sewage and waste	No	Only dust emission from handling of mineral, which will very less and not cause any negative impact. No odor will develop.
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	

6.0 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 & dumper / tippers.
6.2	From industrial or similar processes	No	
6.3	From construction or demolition	No	
6.4	From blasting or piling	Yes	If Blasting is required then Blasting in small scale will be done so noise will be momentary. There will be vibrations from blasting but no long term impact on nearby area will be anticipated.
6.5	From construction or operational traffic	Yes	During operational stage running of dumpers/tippers will produce very less noise, which will not cause any impact.
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:

	of file severs, surface waters, groundwater, coastar waters of 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	Explosives will be procured / supplied by license contractor on the day of working and will be handled and used by persons certified under MMR 1961.		
7.2	From discharge of sewage or other effluents to water or the land (expected mode and place of discharge)	No	Only waste water discharged to land will be from septic tanks.		
7.3	By deposition of pollutants emitted to air into the land or into water	No	Dust settling on land is expected to be very low and will be non-toxic.		
7.4	From any other sources	No			
7.5	Is there a risk of long term buildup of pollutants in the environment from these sources?				

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	Hazardous substance will be only explosive for which there are separate laws which will be strictly followed.
8.2	From any other causes	Yes	The risks of accidents are envisaged due to the operation of equipment's, failure of mine pit etc. Pits slope will be kept at 45°. No loose stone or debris will be allowed to remain near the edges of excavation and along the sites of haul road. However, good safety practices are adopted at the site. All precautionary measures are adopted and uses of protective equipment's are mandatory. However, to meet the minor incidences and accidents first aid measures at site will be provided.
8.3	Could the project be affected by natural disasters causing environmental damage (e.g. Floods, earthquakes, landslides, cloudburst etc)?	No	Low probability of earthquake as the area falls in seismic zone II. No landslides or cloud burst have been observed in recent years.

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 / Check list confirmation	Yes / No	Details thereof (with approx. quantities /rates, wherever possible) with source of information data
	Lead to development of supporting. facilities, ancillary development or development stimulated by the project which could have impact on the environment e.g.: • Supporting infrastructure (roads, power supply, waste or waste water treatment, etc.) • housing development • extractive industries • supply industries • other	Yes	Proposed project will result in further growth of the surrounding area by increasing direct and indirect employment opportunities in the region. All supporting temporary infrastructure is developed. Temporary Office, rest shelters, are constructed & first aid is provided.
9.2	Lead to after-use of the site, which could have an impact on the environment	Yes	The top mined out benches will be converted and used as water storage, it will be recharge the ground water table.
9.3	Set a precedent for later developments	Yes	Mined out area will ultimately be fenced properly all around its periphery to prevent any entry into the area.
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects	Yes	A number of small mines in surrounding area have either restarted or increases combined environmental impacts, particularly due to increased road traffic for minerals transport / dispatch. Mitigation measures to control environment pollution in mine are carried out to minimize the impact.

(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	-		
2	Areas which are important or	Yes	Available water bodies and rivers fa	alls	
	sensitive for ecological reasons – Wetlands, watercourses or other		within 15 Km radius Buffer zone	zone as	
	water bodies, coastal zone,		follows:		
	biospheres, mountains, forests		Water Distance Direc	ctio	
			bodies/River n		
			Dia or Dain 5.0 Km Nort	th	
			river		
			Mansagar 13.0 Km NW	V	
			talav		
			Rani Ji Ka 12.0Km SE]	
			Talav		
3	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration	No	-		
4	Inland, coastal, marine or underground waters	No	-		
5	State, National boundaries	No.	-		
6	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas.	Yes	About 1.0 km in E direction from lease area.		
7	Defense installations	None			
8	Densely populated or built-up area	Nayaki	About 1.9 km from applied area in South East direction.		
9	Areas occupied by sensitive man- made land uses (hospitals, schools, places of worship, community facilities)	Nayaki	About 1.9 km from applied area in SE direction.		

10	Areas containing important, high quality or scarce resources (ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals)	Yes	Water:-No Surface water body is there in the M.L. area. Ground water is the major source of water in this region. Water table is observed at depth of 80m and 100m below the surface during premonsoon and post-monsoon period respectively. Proposed ultimate working level (35m) will be above the water table. Hence, water table will not be intersected. Agricultural:-Agriculture is one of the major occupations in this region. As the ML area is a Private land and mining is confined only in the ML area so no impact on the vegetation.
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 extreme or adverse climatic conditions)	None	

(IV). Proposed Environment Management Plan & Social Development:

(A) Suggested by the Applicant

- 1. Proper plantation of saplings, suitable for the region will be carried out within the applied area & along lease boundary, in consultation with forest department.
- 2. Regular maintenance of machineries, vehicles etc and use of PPE.
- 3. Regular water sprinkling to suppress dust.
- 4. Garland drain will be made all around working pit.
- 5. Development activities like hand pump for drinking water, maintenance of road etc. will be taken up.
- 6. Education, Washroom for girls in school, safety & health campaigns will be carried out in surrounding villages.
- 7. Measures of socio economic influence to the local community.
- 8. Detailed environmental management plan.
- 9. Proposed EMP fund Rs. 1.00 Lac.
- 10. Proposed Social development fund Rs. 0.75 Lac.

(B) Suggested by the Expert Appraisal Committee:

UNDERTAKING

"I hereby gives an 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".

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Place:

Mukesh Kumar Sheshma, (POH) R/o.-B-24, Tulip Enclave,Central Spine, Vidhyanagar, District Jaipur Rajasthan