



OFFICE OF THE TAHASILDAR, CHIKITI (GANJAM)

Letter No. 5635/.....

Date 20.12.2021

To

The Chairman
State Environment Impact Assessment Authority
5RF-2/1, Acharya Vihar, Unit – IX,
OPTCL Colony, Anand Bazar, Bhoi Nagar,
Bhubaneswar, Odisha 751022.

Sub: - Online application of sairat sources under Chikiti Tahasil in Ganjam District.

Sir,

In inviting a kind reference to the letters on the subject cited above I would like to bring kind attention that, application have been submitted earlier for grant of EC in respect of the following minor mineral sources in off line mode for grant of EC but in the mean time massage has been received from your office for online application in respect of these sources for grant of EC, as all the supporting documents has been enclosed with the application, I am herewith submitting the documents online for grant of EC for the following sources.

LAND SCHEDULE

Name of the source	Mouza	Khata no.	Plot no.	Area in hect.
Kotlingi Stone Quarry	Kotlingi	1515	5125	0.823
Siripur Sand Quarry	Siripur	115	130/830, 134/831	5.00
Totagam Morrum Quarry	Totagam	115	447	2.053
Gobindanagar Stone Quarry	Gobindanagar	651	810, 660, 659 & 655	4.329

So, I am to request you for issue of Environment clearance at your end.

Yours faithfully,


Tahasildar, Chikiti
Tahasildar
Chikiti, (Gm.)

Memo no. 5636 **/Dated** 20-12-2021

Copy Submitted to the ADM (Revenue), Chatrapur for information and necessary action.


Tahasildar, Chikiti
Tahasildar
Chikiti, (Gm.)

Annexure- A

MODIFIED CHECK LIST FOR MINOR MINERAL MINING PROJECT

1.	Online date of application & File No.	:	
2.	Scrutiny fees challan details	:	Not, required
3.	Name & address of the Applicant (with postal pin code, mobile / landline no., Email ID.)	:	Tahasildar Chikiti At-Tahasil Office, Chikiti Dist. Ganjam , State Odisha, Email ID. <u>tah_chikiti@yahoo.in</u> Landline. 0680-2497022
4.	Category of Project(B1/B2)	:	B2
5.	Type of proposal (New / Existing / Expansion/ Extension / Amendment)	:	New
6.	Name of the Minor Mineral projects	:	Stone
7.	Whether the present proposal is shown as an identified source of the particular minor mineral in the approved DSR report of the District (Yes / No.) If yes, the page no. / para no / map location in DSR report.	:	Stone, Kotilingi Stone Quarry Yes Shown in DSR Report In Para no.239 Page no.104
8.	Lease period, letter of lease and lease execution documents granted by the concerned authority.	:	5 Years (Proposed Lessee)
9.	Area of the lease (ha)	:	0.823 Ha.
	a) Forest Land (ha.)	:	No, it is a non forest Land.
	i) If Forest land; status of forest clearance	:	
	b) Non-forest / Govt. land (ha.)	:	0.823 Ha.
	c) Non-forest Private land (ha.)	:	Nil
10.	For Minor Mineral other than Sand (i.e. Stone / Murrum / Laterite / Decorative Stone / Brick Earth etc.), the concerned DFO to verify the DLC report of the District, and inform, if the proposed lease area plots are listed therein as forest land. Whether the said Certificate from DFO is attached (Yes / No)	:	Yes, Certificate from concern authority is attached
11.	For Brick Earth Minor Mineral cases on Agricultural land Please specify following:	:	No, it is a Stone Quarry
	(i) Upland / medium land / low land	:	not applicable
	(ii) Rain fed / irrigated	:	not applicable
	(iii) Cropping pattern involved	:	not applicable
	(iv) Distance of site from nearest Thermal Power Plant	:	not applicable
12.	Whether any vegetation exists in the lease area? If so, specify the type and quantity (number/area)	:	No, vegetation exists in the lease area
13.	Location of mine (Detailed land schedule, etc.) with landmark.	:	Kotilingi Stone Quarry
	i) District	:	Ganjam
	ii) Tahasil	:	Chikiti
	iii) Name of the River, in case of Sand	:	No, it is a Stone Quarry

	Bed	:	Village - Kotilingi		
	iv) Village /Mouza	:	1515		
	v) Khata No.	:	Sl. No.	Plot No.	Kisam
	vi) Plot No.	:	01	5125	Parbat
	vii) Kisam (Classification)	:			
	viii) Co-ordinates of the site (Latitude and Longitude)	:	Latitude-19°08'27.96"N to 19°08'30.18"N Longitude- 84°36'51.14"E to 84°36'55.46"E		
14.	Longitude and Latitude of nearest mine with boundary to boundary distance.	:	Girisola Stone Quarry Latitude -19°10'33.42"N to 19°10'41.13"N Longitude -84°42'51.49"E to 84°43'01.44"E boundary to boundary distance 11.25 Km		
15.	Whether mine area shown clearly in topo map and village sheet (in colour marking)(Yes / No.)	:	Yes, mine area shown clearly in topo map and village sheet		
16.	Environmental Sensitivity (should be mentioned clearly in Kilometers)				
Sl. No.	Area		Distance in Kilometer from the boundary of the lease area with Geo-coordinate i.e. longitude and latitude		
i.	Distance from the following infrastructural facilities				
	Nearest Railway line (with name)	:	Nearest Railway line is at Ichhapuram railway station at a distance of 7.80 Km in SE. Latitude - 19° 6'41.35"N Longitude - 84°40'50.48"E		
	Nearest National Highway (with name)	:	Nearest National Highway is NH-5 at a distance of 8.60 KM in SE. Latitude - 19° 5'8.00"N Longitude - 84°40'13.15"E		
	Nearest State Highway (with name)	:	Nearest state highway is SH-22 at a distance of 2.50 km in NW. Latitude - 19° 9'50.85"N Longitude - 84°36'27.37"E		
	Nearest Major District Road (with name)	:	Nearest Major District Road is Kotigan Rd road at a distance of 1.50 KM in SW Latitude - 19° 7'40.36"N Longitude - 84°36'47.10"E		
	Nearest Any Other Road (with name)	:	Nearest any other Road is village road. at a distance of 0.25 Km. in SW. Latitude - 19° 8'20.26"N Longitude - 84°36'49.00"E		
	Nearest Railway bridge / road bridge	:	Nearest Road Bridge is near Badakhatadi Bridge over Bahuda River at a distance of 1.80 KM in NW. Latitude - 19° 9'1.35"N Longitude - 84°36'0.51"E		
	Nearest Electric transmission line pole or tower	:	Nearest Electric transmission line is 1.50Km from the Lease area Latitude - 19° 8'21.57"N Longitude - 84°37'47.21"E		
	Nearest Canal or check dam or reservoirs or lake or ponds	:	Nearest dam is Baghalati Dam at a distance of 23.30 Km in NW. Latitude - 19° 8'3.46"N Longitude - 84°23'31.90"E		
	Nearest in-take point with name for drinking water / industrial use	:	Nearest in-take point is for Drinking water tube well at Kotling village at a distance of 1.50 km.in SE Latitude - 19° 8'21.57"N Longitude - 84°37'47.21"E		

	Nearest intake for irrigation	:	Nearest intake for irrigation is from Baghalati Dam at a distance of 23.30 Km in NW. Latitude - 19° 8'3.46"N Longitude - 84°23'31.90"E
	Nearest River Embankment	:	Nearest river embankment is near Badakhatadi Bridge Bahuda River at a distance of 1.80 KM in NW. Latitude - 19° 9'1.35"N Longitude - 84°36'0.51"E
	Nearest point of intersection of the road used for transporting the minerals from the lease area with the NH/SH/Major district road/any other road.	:	Nearest point of intersection of the road is near Kotilingi at 1.50 KM. Latitude - 19° 8'20.96"N Longitude - 84°37'41.26"E
	Distance of the haulage road (If to be constructed separately) from the embankment. If so, length and width of the haulage road and meeting point of haulage road with any other main road and also distance between the village road and the haulage road.	:	No, existing road is sufficient for transpiration
	Villages and name of those villages and their roads that will be used for transportation of minerals.	:	Kotilingi and its road is Village Road Latitude - 19° 8'20.96"N Longitude - 84°37'41.26"E Chikiti and its road is Village Road Latitude - 19°12'8.85"N Longitude - 84°36'52.11"E
	Number and type of vehicle to be engaged for the purpose of transportation and their frequency of plying.	:	1 tractor/ Day will be used for transportation Frequency of plying - 2 times per Day
	Time and duration during which the loaded and empty vehicles for minerals will be used. Total distances of such village(s) road.	:	Time - 8.00 AM per Day Duration - 2 Hours (every Load) Total Distance - 3-7 KM
ii.	Nearest Sanctuary / National Park/Eco-Sensitive Zone / Elephant Corridor/ Conservation Reserve and its distance from boundary of lease. (along with name of the Sanctuary / National Park) etc.	:	Nearest Sanctuary is Lakhari valley Wildlife Sanctuary at a distance of 30.00 km in NE Latitude - 19°18'53.07"N Longitude - 84°25'19.78"E
iii.	Nearest reserve forest (with name) with distance.	:	Nearest reserve forest is Mahulia Reserve Forest is at a distance of 90.40 Km in NE. Latitude - 19°52'42.78"N Longitude - 84°58'56.77"E
iv.	Nearest Archaeological site (along with the name of the Archaeological Site) with distance.	:	Nearest Archeological site is Ashokan Edict Jaugada, Pandia a distance of 48.0 Km in NE. Latitude - 19°31'21.69"N Longitude - 84°49'51.42"E
v.	Nearest State boundaries with distance.	:	Nearest State Boundary is Andhra Pradesh at a distance of 2.50 Km in SW Latitude - 19° 7'17.35"N Longitude - 84°36'16.42"E
vi.	Nearest Defense installations with distance.	:	Nearest Defense installations is Golabandha Air Defense at a distance of 30.0KM in NE. Latitude - 19°15'30.93"N

Tahasildar

		Longitude - 84°52'16.28"E		
vii.	Nearest Densely populated / built-up area / human habitation with distance from boundary of lease. (Name of the nearest habitation)	Chikiti -6.75 Km NW Latitude - 19°12'8.85"N Longitude - 84°36'52.11"E		
viii.	High tide line of sea and river, Nala, canal, estuaries as per CRZ act on upstream and its distance from boundary of lease.	High tide line is at Bay of bengal near Gopalpur at a distance of 29.60 Km in NE Latitude - 19°14'34.05"N Longitude -84°53'34.36"E		
ix.	Nearest areas occupied by sensitive man-made land uses with distance. (hospitals, educational institutions, places of worship, community facilities, viz bus stoppage, park etc)	Nearest Medical is Govt. Hospital Patrapur at a distance of 3.35 Km in SW. Latitude - 19° 7'51.30"N Longitude - 84°34'30.39"E Nearest College is Sapta Shree Junior Science College, Chikiti at a distance of 6.50 Km in NW. Latitude - 19°11'55.90"N Longitude - 84°36'24.76"E Nearest High school is Sri Radhakanta Nodal High School, Kotiling at a distance of 1.30 km.in NE. Latitude - 19° 8'28.68"N Longitude - 84°37'35.89"E Nearest Temple is Maa Balakumari Temple in Koligam at a distance of 1.30 km.in SE. Latitude - 19° 7'47.85"N Longitude - 84°36'56.44"E		
17	Details of other mine(s) located within 500 meter from the periphery of the lease area			
Sl. No.	Name and address of the mine	Name of mineral	Lease area	EC status
(i) (ii) (iii) (iv)	There is no other mine located within 500 meter from the periphery of the lease area.	Not applicable	Not applicable	Not applicable
18	Certificate of the Tahasildar that there is no other minor mineral lease or proposed lease area located within 500 m from the periphery of the proposed mine lease area as per approved DSR report in the area. Whether Certificate from Tahasildar attached (Yes/No)	Yes, Certificate from the Tahasildar is attached.		
19	Other Proposals of the Same Lessee/proponent submitted for EC			
Sl. No.	Name and address of the mine	Name of mineral	Lease area	EC status
(i) (ii) (iii)	Nil	Not applicable	Not applicable	Not applicable
20.	Whether the mining plan is approved? (Yes/No) If so, period of plan and name of the competent approving authority	Yes, for (5 Year) from Sri S.P Nanda, DDG & Authorized officer at O/O Joint Director Geology South Zone Berhampur, Odisha		
21	Mining method (Manual/Semi mechanized/Mechanized)	Mining method is Semi mechanized method		
22	Whether drilling and blasting is	Yes, it is a Proposed Quarry		

	required(Yes / No.) If yes, explosive storage license status:	
23.	If any other minor mineral rich or proposed lease area is located within 500 mtrs from the periphery of the proposed mine lease area exist, the corresponding names with exact distances along with Geo-coordinates i.e. longitude and latitude is be indicated	No, other minor mineral rich or proposed lease area is located within 500 mtrs from the periphery of the proposed mine lease area exist
24.	Plan for year wise plantation with species at the river embankment and along side of haulage road/village road for sand mining be indicated.	Yes, show in the approved mining plan
25.	Top and Bottom R.L. of the stone quarry	Top RL 20 Bottom RL15
26.	Whether any complaint or court case exists against lease (Yes / No)	No
27.	Whether any EC granted earlier by SEIAA / DEIAA (Yes / No)	No

Counter signed and recommended for
Environmental Clearance

Signature with seal of Tahasildar
TAHASILDAR
CHIKITI (GANJAM)

Mining Officer (For Specified Minor
Mineral)

Certified that the information furnished above
are true to the best of my knowledge

Signature of Applicant

Encl: The following documents are mandatory to submit alongwith filled-in checklist to receipt the proposal for consideration of Environmental Clearance:

1. Form-I duly filled.
2. Pre-feasibility Report (PFR) properly binding.
3. Environment Management Plan (EMP) properly binding.
4. Approved District Survey Report for minor mineral as per the amended Notification S.O. No. 3977(E) dated 14.08.2018 issued by MoEF&CC, Govt. of India.
5. Certificate from the concerned DFO about involvement of DLC land in the lease area, whether it is forest or non-forest land (in case minor mineral other than sand).
6. Certificate from Tahasildar that there is no other mines located within 500m from the periphery of the proposed mine lease area as per DSR report in the area.
7. Certificate from Tahasildar indicating distance of boundary of mining lease from River Bridge, Railway Bridge, river embankment and Electric High Transmission Line (in case of sand mining).
8. Location map/Trace map from Tahasildar of all leases (existing & operating) around 1 km area of the project site.
9. Full scape toposheet (1:50,000 scale) showing all features and depicting lease site

- (colour marking).
10. Full scape village sheet showing location of the project and other mines within 500 meter (colour marking).
 11. Full scape Toposheet showing areas within 10 Km radius from the lease area including Sanctuary/National Park, if Any (colour marking).
 12. Lease permission /sanction order of Competent Authority(Tahasildar/ any other).
 13. Scrutiny fee payment details
 14. Approved mining plan along with approval letter.
 15. Category of land and conversion document, if required
 16. Copy of Environmental Clearance, if granted by DEIAA/SEIAA earlier and compliance to the Environmental Clearance conditions if granted.
 17. Distance from the nearest Eco-sensitive Zone in map.
 18. Google map showing the present lease hold area with all sairat source within 500 meter boundary of the lease hold area.

500 mtr Certificate

It is to certify that there is no other mine located within 500 meter from the periphery of the lease area of Kotilingi Stone Quarry over an area of 2.036 acres or 0.823 Ha having Khata No. 1515, Plot No. 5125 in the village Kotilingi, Tahasil Chikiti in district Ganjam, State Odisha.

Tahasildar, Chikiti

TAHASILDAR
CHIKITI (GANJAM)

Certificate of Non Forest Land

With the help of land record present in our Tahasil it is found that of the following source is a revenue land. It is not coming under DLC and it is a Non forest Land as the Kissam is Sandi Parbata.

Kotilingi Stone Quarry over an area of 2.036 acres or 0.823 Ha having Khata No. 1515, Plot No. 5125 in the village Kotilingi, Tahasil Chikiti in district Ganjam, State Odisha. of Tahasildar, Chikiti (Proposed Lessee)


Tahasildar, Chikiti
TAHASILDAR
CHIKITI (GANJAM)

APPENDIX I
(See paragraph – 6)
FORM 1

(I) Basic Information

Sl. No.	Item	Details
1.	Name of the project/s	Kotilingi Stone Quarry
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	Production of 1485Cum / Year from lease area 0.823 Ha
4.	New/Expansion/Modernization	New
5.	Existing capacity/area etc.,	Not applicable
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
.39.	Location	Toposheet No. E45A12 Latitude- 19°08'27.96"N to 19°08'30.18"N Longitude- 84°36'51.14"E to 84°36'55.46"E
	Plot/Survey/Khasra No.	Khata No. 1515 Plot No-5125
	Village	Kotilingi
	Tehsil	Chikiti
	District	Ganjam
	State	Odisha
10.	Nearest railway station/airport along with distance in Kms	Nearest Railway line is at Ichhapuram railway station at a distance of 7.80 Km in SE.
11.	Nearest Town, city, District Headquarters along with distance in Kms	District headquarters: Chatrapur at a distance of 46.50 Km in NE.
12.	Village Panchayats, Zilla Parishad, Municipal Corporation, Local body (complete postal addresses with telephone nos. to be given)	Vill - Kotilingi Tahasil- Chikiti
13.	Name of the applicant	Tahasildar Chikiti
14.	Registered Address	Tahasildar Chikiti Dist-Ganjam,Odisha.

15	Address for correspondence:	Tahasildar Chikiti Dist- Ganjam, Odisha.
	Name	Tahasildar Chikiti
	Designation (Owner/Partner/CEO)	Owner
	Address	Tahasildar Chikiti Dist – Ganjam,Odisha.
	Pin Code	
	E-Mail	
	Telephone No.	
	Fax No.	
16	Details of Alternative Sites examined, if any. Location of these sites should be shown on a topo sheet	It is a site specific project
17	Interlinked Projects	NIL
18	Whether separate application of interlinked projects 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. (a) The Forest (Conservation) Act, 1980 ? (b) The Wildlife (Protection) Act, 1972 ? (c) The C.R.Z Notification, 1991 ?	Not Applicable
22	Whether there is any Government Order/Policy relevant/relating to the site?	Not Applicable
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.	Not Applicable

Expected Project Cost:

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	The Topography of the core zone will be changed due to the mining operation in the form of mine pits, surface dumps, haulage roads, infrastructural facilities, etc.
1.2	Clearance of existing land, vegetation and buildings?	No	The ML area comes under non forest land category. The small scrubs existing within mining zone and dumping site will be cleaned for the mining activity.
1.3	Creation of new land uses?	Yes	It will be used in mining and related activities.
1.4	Pre-construction investigations e.g. bore houses, soil testing?	Yes	Pre mining investigation has been done with bore holes
1.5	Construction works?	yes	Temporary site services have been constructed as per Mines Act and Mines Rule.
1.6	Demolition works?	No	No demolition works are involved.
1.7	Temporary sites used for construction works or housing of construction workers?	No	Temporary site for temporary Office/rest shelter etc only. Local labour from nearby area will be employed. No housing will be required.
1.8	Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations	Yes	Site office and rest shelter.
1.9	Underground works including mining or tunneling?	no	Not Applicable. As this is Mining project by opencast Semi mechanized method.
1.10	Reclamation works?	yes	Backfilling and afforestation
1.11	Dredging?	No	Not Applicable
1.12	Offshore structures?	No	Not Applicable
1.13	Production and manufacturing processes?	Yes	Open cast semi mechanized method.

1.14	Facilities for storage of goods or materials?	Yes	Road metal quarry will be mined and transported. Temporary stack yards are provided within quarry lease area.
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	No	Not Applicable
1.16	Facilities for long term housing of operational workers?	No	Most of the workers will be employed from nearby villages. Hence long term housing facilities are not involved
1.17	New road, rail or sea traffic during construction or operation?	No	No new road, rail or sea traffic is required. Existing facilities for transportation of minerals will be utilized. Only temporary approach roads will be made which connects to existing tar road..
1.18	New road, rail, air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc?	No	Existing Facilities are sufficient.
1.19	Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?	No	The project does not involve any closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements.
1.20	New or diverted transmission lines or pipelines?	No	The project does not involve any new or diversion of transmission lines or pipeline.
1.21	Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	Yes	Not Applicable
1.22	Stream crossings?	No	Existing Facilities are sufficient.
1.23	Abstraction or transfers of water form ground or surface waters?	Yes	Accumulated water is proposed to be utilized for plantation & water sprinkling.
1.24	Changes in water bodies or the land surface affecting drainage or run-off?	No	During mining no alteration or changes in the passage/route of river
1.25	Transport of personnel or materials for construction, operation or decommissioning?	No	Ordinary Road metal will be transported through trucks by road to crusher. Workers will come from nearby villages On their convenience.
1.26	Long-term dismantling or decommissioning or restoration works?	No	No dismantling work will be carried in this project.
1.27	Ongoing activity during decommissioning	No	No decommissioning activity is proposed.

	which could have an impact on the environment?		
1.28	Influx of people to an area in either temporarily or permanently?	yes	For employment and for business opportunities
1.29	Introduction of alien species?	No	Not Applicable
1.30	Loss of native species or genetic diversity?	No	Not Any
1.31	Any other actions?	No	Not Applicable

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)	Yes	Non Forest Govt. land will be converted to mining process.
2.2	Water (expected source & competing users) unit: KLD	No	Water requirement will be 5KLD. Water will be supplied from nearby areas.
2.3	Minerals (MT)		Ordinary Road metal 1485cu. m annual production
2.4	Construction material – Stone, aggregates, Stone soil (expected source – MT)	No	No construction activity is proposed. Only temporary office/rest shelter etc. will be provided.
2.5	Forests and timber (source – MT)	No	No forest and timber products will be used in the proposed project.
2.6	Energy including electricity and fuels (source, competing users) Unit: fuel (MT), energy (MW)	yes	Transportation will be done through dumpers or trucks operating on diesel. No storage for diesel is proposed.
2.7	Any other natural resources (use appropriate standard units)	No	No other natural resources will be used.

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 Applicable
3.2	Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)	No	If proper hygiene is not maintained insect and water borne diseases may occur.
3.3	Affect the welfare of people e.g. by changing living conditions?	No	Socio-economic condition will improve and will have positive impact due to increase earning sources of nearby peoples.
3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.,	No	No Vulnerable groups of people will be affected by the project.
3.5	Any other causes	No	All precautions will be taken to prevent generation of dust by water sprinkling at its source. The mine worker will also be medically examined as per statutory provisions.

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		During plan period 165 Cu,M per year waste will be generated.
4.2	Municipal waste (domestic and or commercial wastes)	yes	Meager quantity
4.3	Hazardous wastes (as per Hazardous Waste Management Rules)	No	No Hazardous waste (as per Hazardous Waste Management Rules) will be generated.
4.4	Other industrial process wastes	No	There will be no industrial process waste involved in the project.
4.5	Surplus product	No	No surplus product will generate.
4.6	Sewage sludge or other sludge from effluent treatment	No	Domestic effluent will be discharged in septic tank / soak pit
4.7	Construction or demolition wastes	No	No construction or demolition waste is involved.
4.8	Redundant machinery or equipment	No	There is no redundant machinery or equipment
4.9	Contaminated soils or other materials	No	No contamination of soil as there is no top soil.
4.10	Agricultural wastes	No	No agricultural waste will be generated.

4.11	Other solid wastes	No	No other solid waste generated.
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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	There will be emission of gases from combustion of fuel used in the transportation vehicles (trucks, tractors, etc.) for mineral. The emissions are of temporary type. However proper mitigation measures will be taken to reduce impacts from such emissions. The vehicles moving to and fro for transportation will have valid PUC certificate.
5.2	Emissions from production processes	Yes	Due to the open cast Semi-mechanized traditional method of mining process there will be the emission of fugitive dust and particulate matter from the mining quarry, loading, unloading, transportation, dumping and blasting sites etc.
5.3	Emissions from materials handling including storage or transport	Yes	<ul style="list-style-type: none"> Fugitive emissions are envisaged from material handling and transportation

			<p>areas.</p> <ul style="list-style-type: none"> • Emissions of SO₂, NO_x and CO are envisaged due to vehicular movements. <p>Dust emission will be controlled by spraying of water.</p>
5.4	Emissions from construction activities including plant and equipment	No	No construction activity is proposed.
5.5	Dust or odors from handling of materials including construction materials, sewage and waste	No	<p>The mining activities may cause increase in PM levels locally. The impact will be reversible, marginal and temporary in nature.</p> <p>Dust suppression will be done by sprinkling of water. However, there will be no odor generation substances.</p>
5.6	Emissions from incineration of waste	No	Not Applicable
5.7	Emissions from burning of waste in open air (e.g. slash materials, construction debris)	No	Not Applicable
5.8	Emissions from any other sources	No	Nil

5. 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 movement of mining machineries transport vehicles.

6.2	From industrial or similar processes	yes	There will be noise generation from the mining operation, crushing and screening operations.
6.3	From construction or demolition	No	Not Applicable
6.4	From blasting or piling	Yes	There will be generation of noise during drilling and blasting which will be restricted to a particular period of time.
6.5	From construction or operational traffic	yes	<ul style="list-style-type: none"> Limited moment of vehicle for carrying ores to destination and waste to dumping sites will generate dust which will be suppressed by water sprinkling and plantation. Measures shall be taken to control noise with proper preventive maintenance and lubrications.
6.6	From lighting or cooling systems	No	The proposed mining is opencast thus emission of light and heat will be negligible. All the mining operation will be done in day only. No cooling system is required.

6.7	From any other sources	No	Not Applicable
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7. Risks of contamination of land or water from releases of pollutants into the ground or into sewers, surface waters, groundwater, coastal waters or the sea:

S.No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
7.1	From handling, storage, use or spillage of hazardous materials	No	No hazardous materials Will be handled.
7.2	From discharge of sewage or other effluents to water or the land (expected mode and place of discharge)	Yes	The domestic waste water will be disposed to septic tank followed by soak pit
7.3	By deposition of pollutants emitted to air into the land or into water	Yes	The air pollution is only because of dust and particulate matter. There is the possibility of water pollution from surface runoff from the mines during rainy season
7.4	From any other sources	No	Nil
7.5	Is there a risk of long term build up of pollutants in the environment from these sources?	No	No dump proposal at mine site.

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	The handling of hazardous material like explosive may create problem. All preventive as well incidental measures are being followed as per Mines Rules and Regulations. OMDC is strictly observing Personnel & Safety Rules and Fire Safety Rules from the very inception of mining in operational phases
8.2	From any other causes	Yes	Vehicle movement
8.3	Could the project be affected by natural disasters causing environmental damage (e.g. floods, earthquakes, landslides, cloudburst etc)?	No	The area is not prone to flood and earthquake. No such incident is reported in this area comes in seismic Zone-II.

9. Factors which should be considered (such as consequential development) which could lead to environmental effects or the potential for cumulative impacts with other existing or planned activities in the locality

S. No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
9.1	<p>Lead to development of supporting, lities, ancillary development or development stimulated by the project which could have impact on the environment e.g.:</p> <ul style="list-style-type: none"> • Supporting infrastructure (roads, power supply, waste or waste water treatment, etc.) • housing development • extractive industries • supply industries • other 	Yes	<p>1) The lessee has provided financial aid to the local community as well as health centre as well as in other Community Development Activities in the region.</p> <p>2) Infrastructure facilities will be improved</p> <p>3) Educational facilities will be improved</p> <p>4) Medical facilities will be improved</p> <p>5) Socio-economic upliftment will be one of the major contribution to the society</p> <p>6) Other business opportunities like garages/ workshops, shops, etc has developed for the local people.</p>
9.2	Lead to after-use of the site, which could have an impact on the environment	yes	The mined out area will back filled and plantation will be done over the back filled area. Green belt will be developed along the

			lease boundary to make the area green.
9.3	Set a precedent for later developments	Yes	Development of good landscape, greenbelt development etc. Employment Opportunity 2. Socio-economic Development 3. Ancillary industry
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects	no	There are one other mine in the nearby area. All of them are presently un-operational.

(II) 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	Non	Not applicable
2	Areas which are important or sensitive for ecological reasons - Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests	Forest Water Bodies	
3	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration	No	Nil
4	Inland, coastal, marine or underground waters	No	Nil

5	State, National boundaries	Yes	Nearest State boundaries is Andrapradesh at a distance of 2.50 Km in SW.
6	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	No	The site is well connected by fair weather road. Haul roads inside mine lease area also exists.
7	Defence installations	Yes	Nearest Defense installations is Army Air Defense Collage, Golabandha at a distance of 30 KM in NE.
8	Densely populated or built-up area	Yes	Chikiti – 6.30 KM in NW..
9	Areas occupied by sensitive man-made land uses (<i>hospitals, schools, places of worship, community facilities</i>)	Hospital Collage School Temple	Nearest Medical is Govt. Hospital Patrapur at a distance of 4.30 Km in SW. Nearest College is Sapta Shree Juniar Science College, Chikiti at a distance of 6.50 Km in NW. Nearest High school is Sri Radhakanta Nodal High School, Kotiling at a distance of 1.30 km.in NE. Nearest Temple is Maa Balakumari Temple in Koligam at a distance of 1.30 km.in SE.
10	Areas containing important, high quality or scarce resources	No	None
11	Areas already subjected to pollution or environmental damage. (<i>those where existing legal environmental standards are exceeded</i>)	No	Not applicable
12	Areas susceptible to natural hazard which could cause the project to present environmental problems (<i>earthquakes, subsidence, landslides, erosion, flooding or extreme or adverse climatic conditions</i>)	No	As per the 2002 Bureau of Indian Standards (BIS) map, Odisha also falls in MSK VII

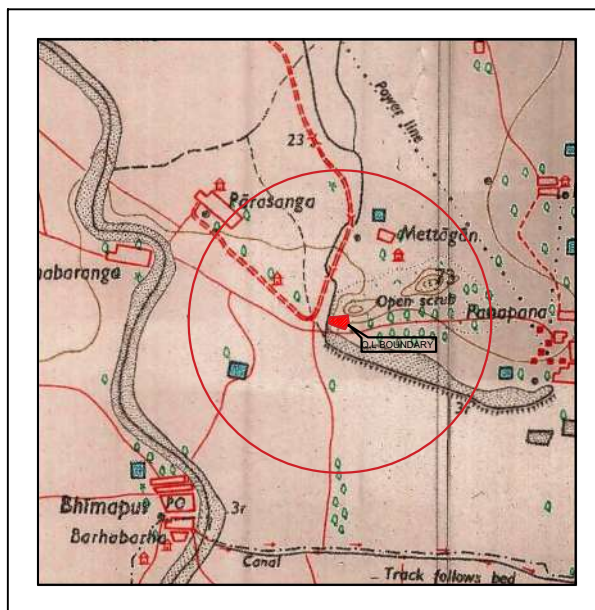
(IV). Proposed Terms of Reference for EIA studies

“I hereby given undertaking that the data and information given in the application and enclosures and true to the best of my knowledge and belief and I am aware that if any part of the data and information submitted is found to be false or misleading at any stage, the project will be rejected and clearance give, if any to the project will be revoked at our risk and cost.

Date: _____
Place: _____

A handwritten signature in blue ink, consisting of stylized letters and a long horizontal stroke.

**Signature of the applicant
With Name and Full Address,
(Project Proponent/Authorized Signatory)**



Ref. Toposheet no.- 74A/12

1 K.M LOCATION MAP

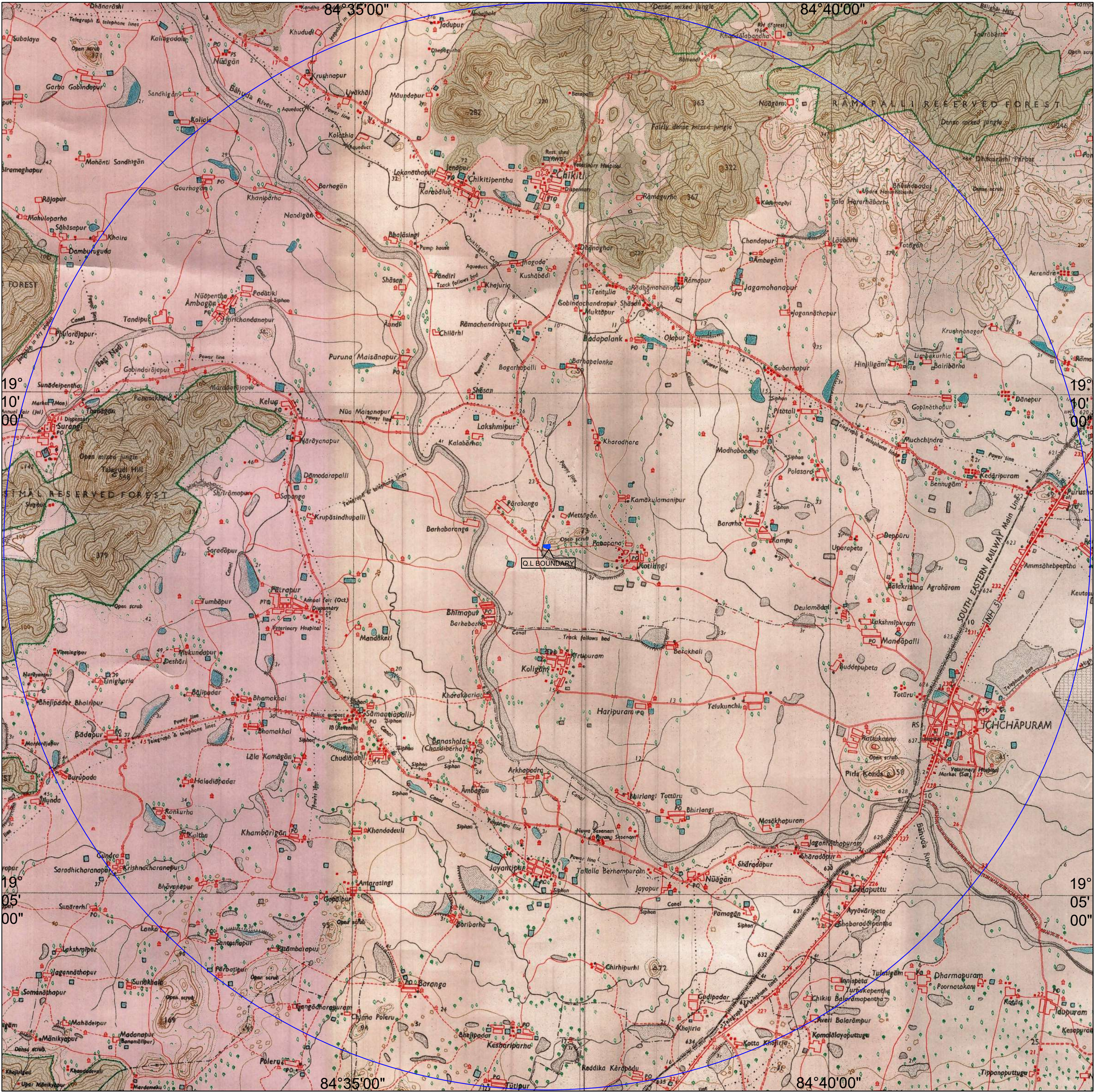
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KOTILINGI STONE QUARRY

OVER AN AREA OF 2.036 ACRES OR 0.823 HECTARES, KHATA NO. 1515 PLOT NO. 5125 UNDER CHIKITI TAHASIL OF KOTILLING VILLAGE IN GANJAM DISTRICT, ODISHA

OF

TAHASILDAR CHIKITI



INDEX

- Q.L BOUNDARY
- 10km. RADIUS

Ref. Toposheet no.- 74A/12

10 K.M BUFFER MAP
R.F.-1:50,000

KOTILINGI STONE QUARRY

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OF
TAHASILDAR CHIKITI

29.0KM SANCTUARY MAP

Kotling Stone Quarry

Legend

- Measure
- Polygon Measure

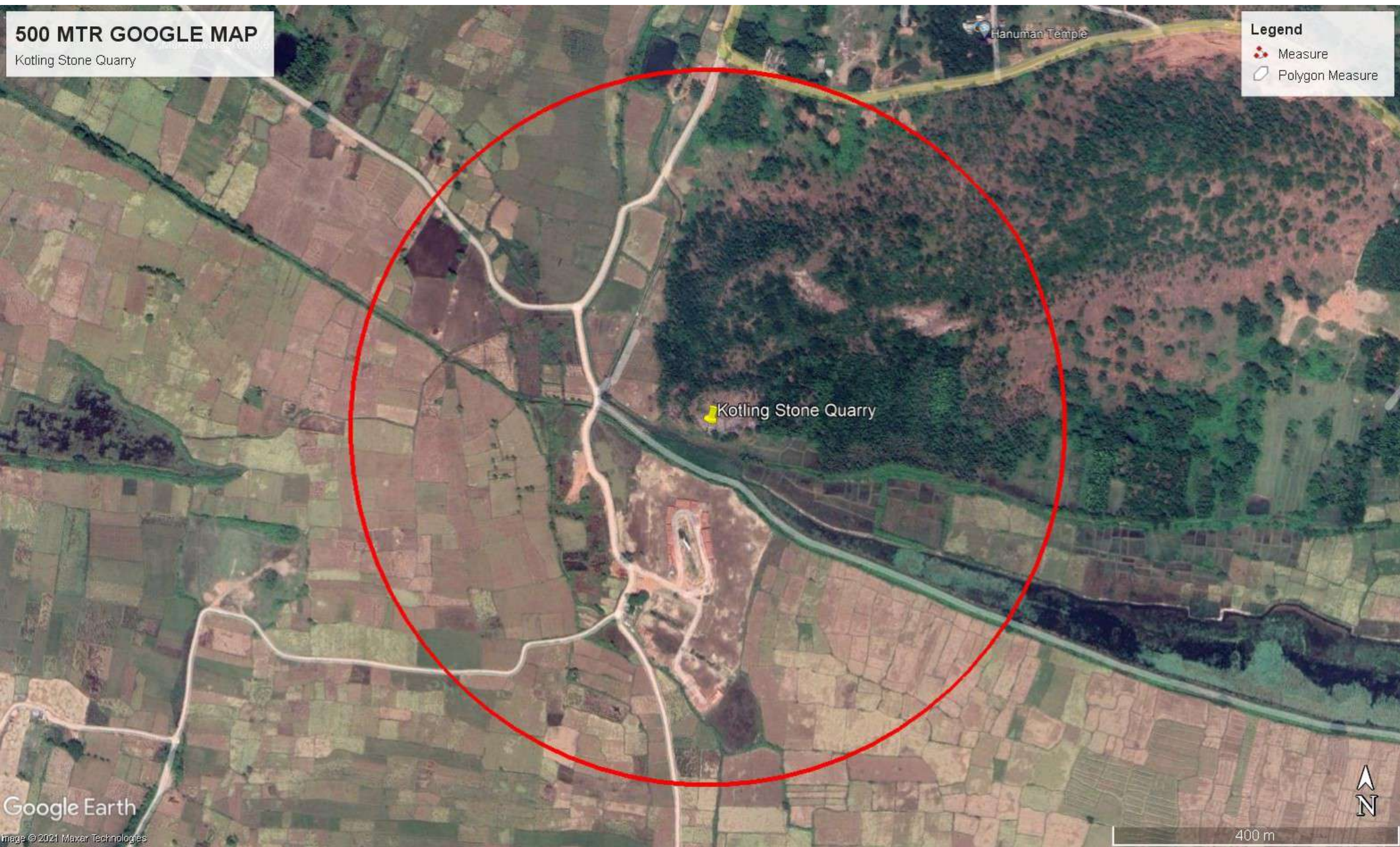


500 MTR GOOGLE MAP

Kotling Stone Quarry

Legend

- Measure
- Polygon Measure



Google Earth

Image © 2021 Maxar Technologies



400 m