



**OFFICE OF THE TAHASILDAR, HARABHANGA, CHARICHHAK (BOUDH)**

Letter No. 3805-2/.....

Date - 19.12.2021

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 Harabhanga Tahasil in Boudh District.

Sir,

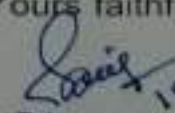
In inviting a kind reference to the letters on the subject cited above I would like to bring kind attention that, application have been submitted earlier for grant of EC in respect of the following minor mineral sources in off line mode for grant of EC but in the mean time message has been received from 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 fallowing sources.

**LAND SCHEDULE**

Sl no.	Name of the source	Khata no.	Plot no.	Area in hect.
01	Kharabhuin - I Stone Quarry	194	275/A	2.833
02	Kharabhuin - II Stone Quarry	193	1463/A	2.833
03	Kharabhuni Jangale-II Stone Quarry	02	01/A	2.023
04	Kharabhuni Jangale-III Stone Quarry	02	01/B, 02/B	2.833
05	Uania Sand Quarry	81	221/A, 224/A	5.00
06	Dianghat Sand Quarry	92	76/A	5.00
07	Kharasankulai Sand Quarry	107	100/A, 118/A	5.00

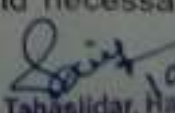
So, I am to request you for issue of Environment clearance at your end.

Yours faithfully,

  
Tahasildar, Harabhanga  
(Charichhak)

Memo no. 3805-2 /Dated 19.12.2021

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

  
Tahasildar, Harabhanga  
(Charichhak)

## 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 Harabhanga At- Charichhak, Dist. Boudh, , State Odisha,
4.	Category of Project(B1/B2)	:	B2
5.	Type of proposal (New / Existing / Expansion/ Extension / Amendment)	:	Existing
6.	Name of the Minor Mineral projects	:	Sand
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.	:	Yes, Shown in the DSR Report In Para no. 1 Page no. 28
8.	Lease period, letter of lease and lease execution documents granted by the concerned authority.	:	5 years (Propose lessee)
9.	Area of the lease (ha)	:	5.00
	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.)	:	5.00
	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)	:	No, it is a Sand Quarry
11.	For Brick Earth Minor Mineral cases on Agricultural land Please specify following:	:	No, it is a Sand 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.	:	Kharasankulai Sand Quarry
	i) District	:	Boudh
	ii) Tahasil	:	Harabhanga
	iii) Name of the River, in case of Sand Bed	:	Mahanadi River

L No:- 444 Dat: 19.2.2021

*[Signature]*  
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	iv) Village /Mouza	:	Village - Kharasankulal
	v) Khata No.	:	107
	vi) Plot No.	:	Sl. No. Plot No. Kisam
	vii) Kisam (Classification)	:	01 100/A, 118/A Nadi
	viii) Co-ordinates of the site (Latitude and Longitude)	:	Latitude-20° 41'45.72"N to 20° 41'54.47"N Longitude-84°30'52.19"E to 84°31'2.71"E
14.	Longitude and Latitude of nearest mine with boundary to boundary distance.	:	Sakusinga Sand Quarry Latitude-20° 42'16.58"N to 19° 42'22.41"N Longitude-84°30'14.41"E to 84°30'24.81"E boundary to boundary distance – 1.50 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
17.	Distance from the following infrastructural facilities		
	Nearest Railway line (with name)	:	Nearest Railway line is at Handapa railway station at a distance of 32.60 Km in NE. Latitude- 20°56'33.12"N Longitude- 84°41'10.39"E
	Nearest National Highway (with name)	:	Nearest National Highway is at NH-57 at a distance of 11.45 KM in SW. Latitude- 20°39'43.77"N Longitude- 84°24'38.59"E
	Nearest State Highway (with name)	:	Nearest state highway is at SH-14 at a distance of 11.70 KM in SW. Latitude-20°38'44.66"N Longitude-84°24'57.39"E
	Nearest Major District Road (with name)	:	Nearest Major District Road is Dhalapur RD Road at a distance of 2.70 KM. in NW. Latitude- 20°42'20.14"N Longitude- 84°29'25.36"E
	Nearest Any Other Road (with name)	:	Nearest any other Road is at Paramanadapur village road. at a distance of 0.45 Km. in SE. Latitude- 20°41'35.29"N Longitude-84°30'43.77"E
	Nearest Railway bridge / road bridge	:	Nearest Road Bridge is near Sagadia over Nala at a distance of 2.10 KM in NW. Latitude- 20°42'9.55"N Longitude- 84°29'43.65"E
	Nearest Electric transmission line pole or tower	:	Nearest Electric Transmission Line Pole is 0.70 KM in SW from the lease area. Latitude- 20°41'26.81"N Longitude- 84°30'42.78"E
	Nearest Canal or check dam or reservoirs or lake or ponds	:	Nearest Dam is at Manjore Dam at a distance of 17.30Km in NW. Latitude- 20°49'56.59"N Longitude- 84°26'8.80"E
	Nearest in-take point with name for drinking water / industrial use	:	Drinking water tube well at Paramananda village at a distance of 0.70 Km. in SW. Latitude- 20°41'26.81"N Longitude- 84°30'42.78"E

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	Nearest intake for irrigation	: Nearest intake for irrigation is from Manjore Dam at a distance of 27.30 Km in NW. Latitude- 20°49'56.59"N Longitude- 84°26'8.80"E
	Nearest River Embankment	: Nearest river embankment is near Singari Munda Road Bridge Manjore River at a distance of 18.35 KM in NW. Latitude- 20°48'51.99"N Longitude- 84°23'27.07"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 Paramananda at a distance of 0.45 Km. in SW. Latitude- 20°41'35.29"N Longitude- 84°30'43.77"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 transportation
	Villages and name of those villages and their roads that will be used for transportation of minerals.	: Paramananda and its road is Village Road Latitude- 20°41'35.29"N Longitude- 84°30'43.77"E Purunakataka and its road is SH-14 Road Latitude- 20°37'41.08"N Longitude- 84°25'34.44"E Charichhak and its road is SH-14 Road Latitude - 20°35'2.03"N Longitude- 84°25'20.86"E
	Number and type of vehicle to be engaged for the purpose of transportation and their frequency of plying.	: 4 tractor/ Day will be used for transportation Frequency of plying - 3 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 - 1 Hours (every Load) Total Distance - 3-7 KM
i.	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 at Satkosia Gorge Sanctuary, Tikarapada at a distance of 37.0 km in SE. Latitude- 20°32'40.81"N Longitude- 84°49'51.38"E
ii.	Nearest reserve forest (with name) with distance.	: Nearest reserve forest is at Harabhanga Reserve Forest at a distance of 0.90 Km in SE. Latitude- 20°41'18.03"N Longitude- 84°31'3.64"E
iii.	Nearest Archaeological site (along with the name of the Archaeological Site) with distance.	: Nearest Archeological site is at Rameswar Temple (Boudhghar) is at a distance of 26.35 km in NW. Latitude- 20°50'39.01"N Longitude- 84°18'58.36"E
iv.	Nearest State boundaries with distance.	: Nearest State boundaries is at



			Chhattisgarh at a distance of 136.40 Km in NW. Latitude- 21°20'44.63"N Longitude- 83°24'0.96"E		
v.	Nearest Defense installations with distance.	:	Nearest Defense installations is at Army Air Defense Golabandha at a distance of 163.55 KM in SE. Latitude- 19°15'30.73"N Longitude- 84°52'16.23"E		
vi.	Nearest Densely populated / built-up area / human habitation with distance from boundary of lease. (Name of the nearest habitation)	:	Charichhak – 15.75 KM Latitude - 20°35'1.8"N Longitude- 84°25'20.86"E		
vii.	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 Bay of bangal is at Satapada at a distance of 153.40 Km in SE. Latitude- 19°38'50.33"N Longitude- 85°28'23.71"E		
viii.	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 at CHC Purunakataka at a distance of 11.90 Km in SW. Latitude- 20°37'41.41"N Longitude- 84°25'32.92"E Nearest school is at Dhlpur UP School at a distance of 3.20 km.in NW. Latitude- 20°42'6.76"N Longitude- 84°29'4.62"E Nearest College is at ITI College,Purunakatak at a distance of 11.60 Km in SW. Latitude- 20°38'7.50"N Longitude- 84°25'25.44"E Nearest Temple is at Dhabalpur Siva Temple at a distance of 2.66 km.in NW. Latitude- 20°42'44.00"N Longitude- 84°29'43.93"E		
18.	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.	Nil	Nil	Nil	
19.	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.		
20.	Other Proposals of the Same Lessee/proponent submitted for EC				
Sl.	Name and address of the	Name of mineral	Lease area	EC status	

No.	mine			
(i)	Nil	Not applicable	Not applicable	Not applicable
(ii)				
(iii)				
21.	Whether the mining plan is approved? (Yes/No) If so, period of plan and name of the competent approving authority	:	Yes., for 5 Years from Sri S.P. Nanda , DDG & Authorized officer at O/O Joint Director Geology SZ, Berhampur, Boudh , Odisha.	
22.	Mining method (Manual/Semi mechanized/Mechanized)	:	Mining method is <b>Manual</b> method	
23.	Whether drilling and blasting is required(Yes / No.) If yes, explosive storage license status:	:	No drilling and blasting is required as it is a sand Quarry.	
24.	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	
25.	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	
26.	Top and Bottom R.L. of the stone quarry	:	No, it is a Sand Quarry	
27.	Whether any complaint or court case exists against lease (Yes / No)	:	No	
28.	Whether any EC granted earlier by SEIAA / DEIAA (Yes / No)	:	Yes	

Counter signed and recommended for  
Environmental Clearance

Signature with seal of Tahasildar

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

Signature of Applicant

Mining Officer (For specified minor  
mineral)

**Encl:** The following documents are mandatory to submit along with 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

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- 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 scale toposheet (1:50,000 scale) showing all features and depicting lease site (colour marking).
  10. Full scale village sheet showing location of the project and other mines within 500 meter (colour marking).
  11. Full scale 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 METER CERTIFICATE**

It is to certify that there is no other mine located within 500 meter from the periphery of the lease area of Kharasankulai Sand Quarry over an area of 12.355 acres or 5.00 Ha bearing khata No. 107, Plot No. 100/A, 118/A in the village Kharasankulai, Tahasil Harabhanga, District Boudh, State Odisha

  
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## DISTANCE CERTIFICATE FROM TAHASILDAR

It is to certify that the distance of boundary of mining lease regarding Kharasankulai Sand Quarry over an area of 12.355 acres or 5.00 Ha bearing khata No. 107, Plot No. 100/A, 118/A in the village Kharasankulai, Tahasil Harabhanga, District Boudh, State Odisha from following structures are given as follows

Particular	Distance in Km
River Bridge	18.35 KM in NW.
Railway Bridge	34.60 KM in NE
river embankment	18.35 KM in NW.
Electric High Transmission Line	0.70 KM in SW

  
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**APPENDIX I**  
**(See paragraph – 6)**  
**FORM 1**

**(I) Basic Information**

<b>Sl. No.</b>	<b>Item</b>	<b>Details</b>
1.	Name of the project/s	<b>Kharasankulei Sand Quarry</b>
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	Proposed Production of <b>7000 Cum / Year</b> from lease area 12.355 Acre/5.00 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
9.	Location	Toposheet No. F45S10 <b>Latitude-20° 41'45.72"N to 20° 41'54.47"N</b> <b>Longitude-84°30'52.19"E to 84°31'2.71"E</b>
	Plot/Survey/Khasra No.	KHATA NO.107, PLOT NO – <b>100/A, 118/A</b>
	Village	Kharasankulei
	Tahasil	Harabhanga
	District	Boudh
	State	Odisha
10.	Nearest railway station/airport along with distance in Kms	Nearest Railway line is at Handapa railway station at a distance of 32.60 Km in NE.
11.	Nearest Town, city, District Headquarters along with distance in Kms	District headquarters: Boudh at a distance of 38.0 KM.
12.	Village Panchayats, Zilla Parishad, Municipal Corporation, Local body (complete postal addresses with telephone nos. to be given)	Panchayats- Dhalapur
13.	Name of the applicant	Tahasildar Harabhanga
14.	Registered Address	<b>Tahasildar Harabhanga</b> <b>Dist. Boudh, Odisha.</b>

15	Address for correspondence:	<b>Tahasildar Harabhanga Dist. Boudh, Odisha.</b>
	Name	<b>Tahasildar Harabhanga</b>
	Designation (Owner/Partner/CEO)	Owner(Proposed Lessee)
	Address	<b>Tahasildar Harabhanga Dist. Boudh, Odisha.</b>
	Pin Code	
	E-Mail	
	Telephone No.	
	Fax No.	Nil
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 ?	The proposal does not involve any approval/ clearance under the said act& notification
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.	No litigation pending against the project

**Expected Project Cost:7 Lakh**



## (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)	No	This is a river boulder, gravel & sand mining. Hence there will be no change in land use / topography of the area due to natural sediment replacement
1.2	Clearance of existing land, vegetation and buildings?	No	No clearance is required as the project is of river bed mining and there is no vegetation or building with in the river bed or in the nearby stretch.
1.3	Creation of new land uses?	No	New land will be created in form of scrapped river bed, which will be permanent; there will be continues deposition of new sand in the river beds, transported through the river water.
1.4	Pre-construction investigations e.g. bore houses, soil testing?	No	Not required. Sand will be direct sell to market.
1.5	Construction works?	No	No major construction activities are proposed during plan period. Only temporary office/rest shelter & retaining wall etc will be provided during plan.
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	No	Not applicable
1.9	Underground works including mining or tunneling?	no	Not Applicable. As this is a river bed mining project by open cast method.
1.10	Reclamation works?	No	Not applicable as this is a river bed mining, this is self-reclaimed continues deposition of sand transported through river, every year during rains.

1.11	Dredging?	No	Not Applicable
1.12	Offshore structures?	No	Not Applicable
1.13	Production and manufacturing processes?	No	5.0 Ha is used for mining and associated purposes. The mining will be done by manually method only
1.14	Facilities for storage of goods or materials?	No	Mineral excavated will be loaded directly into truck for transportation. hence no storage facility will be required.
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	No	There will be no OB cover and no waste will be generated. Liquid effluent portable toilets will be used hence no sewage/liquid effluent will be generated.
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?	No	No impoundment or damming is involved in the project. The ultimate depth of mining is up to 3m. the mining will be restricted above ground water table no ground water intersection is involve hence no change in

			anticipated in the hydrology of watercourse or aquifers by the mining operation.
1.22	Stream crossings?	Yes	Mining lease area itself lies on the river bed.
1.23	Abstraction or transfers of water form ground or surface waters?	No	Total water requirement is about 2 KLD Water requirement fulfill all nearby village
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	No construction is proposed. The staff and the workers involved in the project will use the local transport for communication to the project area.
1.26	Long-term dismantling or decommissioning or restoration works?	No	No long term dismantling work will be carried in this project.
1.27	Ongoing activity during decommissioning which could have an impact on the environment?	No	Not applicable.
1.28	Influx of people to an area in either temporarily or permanently?	No	Mostly local people will be deployed to carry mineral extraction. so no influx of people envisaged
1.29	Introduction of alien species?	No	Not Applicable
1.30	Loss of native species or genetic diversity?	No	Not applicable
1.31	Any other actions?	No	No other action will be involved for the excavation of the boulder, gravel& sand

**2. Use of Natural resources for construction or operation of the Project (such as land, water, materials or energy, especially any resources which are non-renewable or in short supply):**

S.No.	Information/checklist confirmation	Yes/No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
2.1	Land especially undeveloped or agricultural land (ha)	No	The mining activity is concentrated in the proposed lease area. It does not fall in the forest land and is devoid of any vegetation. The mining lease area falls under one block of area <b>5.0 Ha.</b>



2.2	Water (expected source & competing users) unit: KLD	No	Water requirement will be 1 KLD. Water will be supplied from nearby areas.
2.3	Minerals (MT)	Yes	Boulder, gravel& sand will be excavated from river bed with proposed production of 7000 per annum
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	No hazardous, toxic semi toxic substance or any other material will be used in the river bed mining project.
3.2	Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)	No	There will be no chance of water borne diseases.
3.3	Affect the welfare of people e.g. by changing living conditions?	Yes	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	There will be no effect due to other cause.

#### 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	No	No waste will be generated during the mining operation as there will be no OB & soil.
4.2	Municipal waste (domestic and or commercial wastes)	yes	Very significant quantity of domestic waste will be generated by the labors at site.
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	There is no effluent treatment plant in the proposed project.
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 or other material will be involved.
4.10	Agricultural wastes	No	No agricultural waste will be generated.
4.11	Other solid wastes	No	No other solid waste generated.

#### 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	There will be some dust emission from production process. however, mitigative measure such as water sprinkling and plantation would be done to control dust pollution
5.3	Emissions from materials handling including storage or transport	Yes	Some emission is expected as the loading and unloading will be done mechanically.
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	Dust will be generated mainly during material handling and transportation
5.6	Emissions from incineration of waste	No	No such waste will be generated, which need to be incinerated
5.7	Emissions from burning of waste in open air (e.g. slash materials, construction debris)	No	No waste of any kind will be burnt in the open air.
5.8	Emissions from any other sources	No	There is no other source of emission.

## 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	No	There will not be any industrial process involve.
6.3	From construction or demolition	No	No construction or demolition involves.
6.4	From blasting or piling	no	Drilling and blasting is not required for the excavation of the boulder, gravel and sand from the river bed.
6.5	From construction or operational traffic	yes	During the operation phase (transportation of mineral)noise will be generated from the transportation vehicle which will be within prescribed limit
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	No other source generates Noise and vibration, Heat etc.

**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
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			<b>possible) with source of information data</b>
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)	No	No risk of contamination of due to discharge of any effluent because only waste water discharges to land from septic tank.
7.3	By deposition of pollutants emitted to air into the land or into water	No	Dust generated during the mining process. loading and transportation may cause impact on the air but the measure followed will control the air pollution
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	There is no risk of long term buildup of pollutants in the environment from the proposed project operation as frequent dust suppression would be done in mining area and surrounding roads.



**8. Risk of accidents during construction or operation of the Project, which could affect human health or the environment**

<b>S.No.</b>	<b>Information/Checklist confirmation</b>	<b>Yes/No</b>	<b>Details thereof (with approximate quantities/rates, wherever possible) with source of information data</b>
8.1	From explosions, spillages, fires etc from storage, handling, use or production of hazardous substances	No	Not envisaged
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**

<b>S. No.</b>	<b>Information/Checklist confirmation</b>	<b>Yes/No</b>	<b>Details thereof (with approximate quantities/rates, wherever possible) with source of information data</b>
9.1	Lead to development of supporting. lities, ancillary development or development stimulated by the project which could have impact on the environment e.g.:  <ul style="list-style-type: none"> <li>• Supporting infrastructure (roads, power supply, waste or waste water treatment, etc.)</li> <li>• housing development</li> <li>• extractive industries</li> <li>• supply industries</li> <li>• other</li> </ul>	Yes	Proposed project will result in growth of surrounding area by increasing direct indirect employment opportunities in region.
9.2	Lead to after-use of the site, which could have an impact on the environment	No	not Envisaged
9.3	Set a precedent for later developments	Yes	The present deposits are good quality and can be used for building industries.
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects	No	There are no other mine in the nearby area.

**(III) Environmental Sensitivity**

<b>S.No.</b>	<b>Areas</b>	<b>Name/ Identity</b>	<b>Aerial distance (within 15 km.) Proposed project location boundary</b>
1	Areas protected under international conventions, national or local legislation for their ecological, landscape, cultural or other related value	Nil	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	Nearest reserve forest is at Harabhanga Reserve Forest at a distance of 0.90 Km in SE.

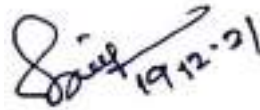
3	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration	No	Nil
4	Inland, coastal, marine or underground waters	Yes	The project is lies on Mahandi river
5	State, National boundaries	No	Nil
6	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	NH	Nearest National Highway is at NH-57 at a distance of 11.45 KM in SW.
7	Defense installations	No	Nil
8	Densely populated or built-up area	yes	Charichhak – 15.75 KM
9	Areas occupied by sensitive man-made land uses ( <i>hospitals, schools, places of worship, community facilities</i> )	Hospital  School  Collage  Temple	Nearest Medical is at CHC Purunakataka at a distance of 11.90 Km in SW. Nearest school is at Dhlpur UP School at a distance of 3.20 km.in NW. Nearest College is at ITI College,Purunakatak at a distance of 11.60 Km in SW. Nearest Temple is at Dhabalpur Siva Temple at a distance of 2.66 km.in NW.
10	Areas containing important, high quality or scarce resources	No	None
	( <i>ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals</i> )		
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:** \_\_\_\_\_



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

**Tahasildar, Harabhanga  
Charichhak**





## 1 K.M LOCATION MAP

R.F.-1:50,000

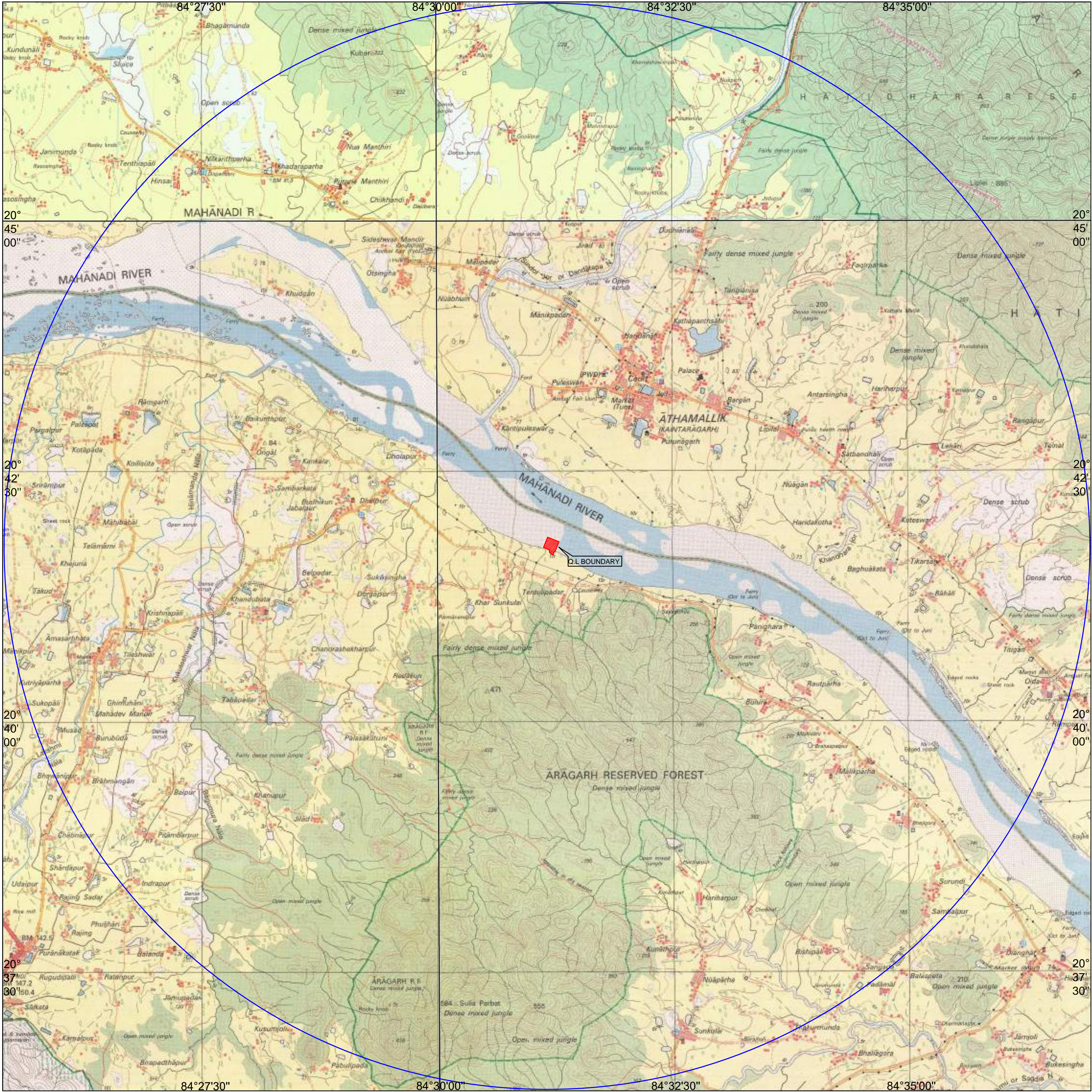
### KHARASANKULAI SAND QUARRY

OVER AN AREA OF 12.355 ACRES OR 5.00 HECTARES, KHATA NO.- 107, PLOT NO.- 100/A  
&118/A IN KHARASANKULAI VILLAGE IN HARABHANGA TAHASIL OF BOUDH DISTRICT, ODISHA.

OF

TAHASILDAR HARABHANGA





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- Q.L BOUNDARY
- 10km. RADIUS

Ref. Toposheet no.- F45S6, F45S10, F45S7 & F45S11

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

KHARASANKULAI SAND QUARRY  
OVER AN AREA OF 12.355 ACRES OR 5.00 HECTARES, KHATA NO.- 107, PLOT NO.- 100/A & 118/A  
IN KHARASANKULAI VILLAGE IN HARABHANGA TAHASIL OF BOUDH DISTRICT, ODISHA.

OF  
TAHASILDAR HARABHANGA





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ଫାଉଣ୍ଡେସନ୍ ନଂ ୧୫

ଫାଉଣ୍ଡେସନ୍ ନଂ ୧୫

KHARASANKULAI, SHEET No.1

Thana Haradham No.15

ଖାରା ସଂକୁଳାଇ

ଫାଉଣ୍ଡେସନ୍ ନଂ ୧୫

ଫାଉଣ୍ଡେସନ୍ ନଂ ୧୫

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Derived that this map has been drawn from  
one's copy of it has been finally published according  
with the 18 inch scale with the 10" scale,  
open on the right hand side.

Settlement officer

ଖାରା ସଂକୁଳାଇ

500 MTR GOOGLE MAP

Kharasankulai Sand Quarry

Legend

- Measure
- Polygon Measure





**37.00 KM SATAKOSIA GORGE SANCTUARY**

Kharasankulai Sand Quarry

**Legend**

- Measure
- Polygon Measure

