

Minutes of 142nd Meeting of SEIAA, Odisha Held on 13.11.2023, 14.11.2023 & 15.11.2023



AGENDA NO.142.19

Proposal No.	SIA/OR/MIN/424396/2023
Date of application	25.04.2022
File No.	424396/917-MINB2/04-2023
Project Type	Proposal for EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for grant of EC for Subendangar Stone Quarry-I over an area of 9.00 Acres or 3.642 Hectares in village Subendangar under Kesinga tahasil of Kalahandi district.
Name of the company/Organization	Sri CHIRANJEEB GURU
Location of Project	village Subendangar under Kesinga tahasil of Kalahandi district.
ToR Date	N/A
Name of the Consultant	N/A

Proposal in brief:

1. The highlights of the proposal as ascertained from the application and as revealed from proceedings/discussion held during the meeting of SEAC/SEIAA, are given as under.
 - (ii) This is a proposal for mining of Stone from Subendangar Stone Quarry-I over an area of 9.00 Acres or 3.642 Hectares in village Subendangar under Kesinga tahasil of Kalahandi district.
 - (iii) The mining area is a part of Survey of India Toposheet No. F44X4, and the lease area bounded by Latitude: 20°01'49.69" N to 20°01'43.50" N and Longitude: 83°07'57.39" E to 83°08'03.76" E.
 - (iv) The mining lease is an identified sairat source in the DSR. The Subendangar Stone Quarry-I sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Kesinga to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
 - (v) Documents submitted: -Form-1, D.L.C, PFR, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, topo map etc.
 - (vi) Whether submitted KML file of the lease area-Yes
 - (vii) Whether submitted scrutiny fee-Yes of Rs. 1000/- vide e-Challan Ref. No. 33752432FD dt. 08.10.2022.
 - (viii) Distance from nearest sanctuary/ESZ- Kotgarh WLS-54.4.0 Km
 - (ix) Whether the lease area coming in DLC report-No, as certified by Tahasildar, Kesinga vide letter no. Nil dated 09.09.2022
 - (x) Whether the lease area reflecting in DSR-Yes
 - (xi) Method of mining-Semi-mechanized and blasting will be involved.
 - (xii) Distance from nearest road bridge-4.4 km, village road -0.7 km, Canal-0.2 Km
 - (xiii) Whether it is part of cluster -No
 - (xiv) Whether EC obtained earlier-Yes, and submitted earlier EC compliance but not satisfactory.
 - (xv) Date of approval of mining plan- the Joint Director of Geology, Zonal Survey, Balangir on 05.08.2022.
 - (xvi) Production capacity per annum-15030 cum/annum (max.), total production in 5 years period-75150 cum, Geological reserve-628326 cum and Mineable reserve-534897 cum.



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- (xvii) Whether the DSR has been prepared as per the MoEF & CC, Govt. of India Notification S.O. 3611(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020- No
- (xviii) EMP budget provision of Rs.1.45 Lakh (Capital cost) and Rs. 0.49 Lakh/annum (Recurring cost).
- (xix) Any deficiencies/omission have been noticed in the above documents-Nearest Karlapat WLS is located within 10km radius from proposed quarry that may be clarify from concerned DFO as final ESZ is not declared by MoEF & CC.

2. **Whether SEAC recommended the proposal** – The proposal was placed in the SEAC meeting held on 28th 30th June 2023 and the SEAC recommended to grant EC valid from the date of EC accorded up to the lease period with following additional conditions.
- a) The Tahasildar, Kesinga had certified vide letter no. 609 dated 21.03.23, that Subendangar Stone Quarries - III & IV recommended for deletion from DSR on 27.12.2021. Accordingly, the sairat sources, Subendangar Stone Quarries - I & II are not in cluster, and in near future Subendangar Stone Quarries - III & IV shall not be operated.
- b) Consent / NoC shall be obtained from the concerned authority if village road is to be used for transportation. The said road shall also be maintained by the lessee.
- c) In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured
- d) Plantation programme to be completed within first two years and to be maintained in remaining years.
- e) Depth of Mining as proposed should not be beyond 6m from the ground level.
- f) Mitigation measures for flying Rock for safety be put in place.
- g) Stone quarry project proponent need to maintain periodic health check-up records of their employees and ensure use of face mask by workers in crushing and handling sections of the stone quarry for ensuring that working personnel are not affected by silicosis.
- h) The boundary area of the deposit as per the revised / updated DSR to be defined by geo coordinates based on DGPS survey superimposed on the cadastral map.
- i) Construction of garland drains retaining wall and settling tank should be ensured to prevent erosion during rainfall and to collect silt generated during the mining activity.
3. The proposal was placed 127th SEIAA meeting held on 12.07.2023, 13.07.2023 and 14.07.2023 and after detailed deliberation the Authority decided to seek clarification from DFO, Kalahandi North and Kalahandi South Division that whether the proposed land is coming in Eco-sensitive Zone of Karlapat Wildlife Sanctuary as well as in DLC or any other forest land. Accordingly, EDS letter was issued by SEIAA dt. 01.08.2023.
4. Now, the PP has submitted reply of our letter vide letter no. 3112 dt. 07.11.2023 and the Tahasildar has mentioned that the proposed lease area neither coming in DLC land not coming within ESZ of Karlapat WLS.

Decision Of Authority: Approved

The Authority peruse the submission made by Tahasildar, Kesinga vide letter no. 3112 dt. 07.11.2023 stating that the Karlapat Wildlife Sanctuary is located 41km from proposed stone quarry and proposed quarry is not coming ESZ of Karlapat WLS as per record. It has further been certified that Subendangar Stone Quarry-I & II quarry is not coming under DLC report. After detailed deliberations, the Authority decided to **grant Environmental Clearance** with usual stipulated conditions as applicable for stone quarry.


- Maximum depth of mining 6.0 meter and maximum quantity of extraction shall be limited to **15030 cum** in 1st year and **15030 cum** in 2nd year.
- The validity of EC is for 1st year and 2nd year or validity of DSR or validity of lease period whichever is earlier.

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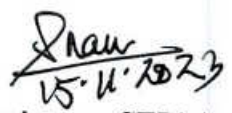


- The Grant of EC for further period will be considered after submission of approved DSR by SEIAA as per the MoEF& CC, Govt. of India Notification S.O. 3611(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020 and also as per the Hon'ble Supreme Court order vide its order dated 10.11.2021 in Civil Appeal Nos. 3661-3662 of 2020 (State of Bihar Vrs. Pawan Kumar and Others).
- The Project Proponent (lease holder) shall deposit Rs.2,00,000/-, with the respective District Environment Society for raising 400 plants (minimum @100 trees per Ha) of native species within 2 years in a suitable location adjoining to quarry.
- The PP will implement the EMP with a budgetary allocation Rs.1.45 Lakh (Capital cost) and Rs. 0.49 Lakh/annum (Recurring cost).

APPROVED BY


Member Secretary, SEIAA


Member, SEIAA


Chairman, SEIAA



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15.11.2023**

AGENDA NO.142.20	
Proposal No.	SIA/OR/MIN/424901/2023
Date of application	05.04.2023
File no.	424901/324-MINB1/04-2023
Project Type	Proposal for EC
Category	B1
Project/Activity including Schedule No.	1(a) Mining of Minerals
Name of the Project	Proposal for EC of Turkaniguda Sand Bed over an area of 5.058 Ha / 12.50 Acre located at Village-Turkaniguda, Tahasil- Gunupur, District - Rayagada
Name of the company/Organization	Tahasildar, Gunupur
Location of Project	Village-Turkaniguda, Tahasil-Gunupur, District - Rayagada
ToR Date	27.12.2021
Name of the Consultant	M/s. P & M Solution

Proposal in brief:

The highlights of the proposal as ascertained from the application and as revealed from proceedings/discussion held during the meeting of SEAC/SEIAA, are given as under.

- a) This is a proposal for mining of sand from Turkaniguda Sand Bed over an area of 5.058 Ha / 12.50 Acre located at Village-Turkaniguda, Tahasil- Gunupur, District - Rayagada.
- b) The mining area is a part of Survey of India Toposheet No. E44F16 and is bounded between the Latitude - 19° 03' 24.76" N to 19° 03' 34.79" N and Longitude – 83° 47' 10.28" E to 83° 47' 16.68".
- c) The mining lease is an identified sairat source in the DSR. The Turkaniguda Sand Bed sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Gunupur to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- d) Documents submitted: -Form-1, PFR, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, topo map etc.
- e) Whether submitted KML file of the lease area-Yes
- f) Whether submitted scrutiny fee-No as Thasildar is the applicant
- g) Distance from nearest sanctuary/ESZ- Karlapat WLS-105.0 Km
- h) Whether the lease area coming in DLC report-No, N/A
- i) Whether the lease area reflecting in DSR-No
- j) Method of mining-Manual
- k) River-Bansadhara, Depth of Sand deposition-1.0 meter
- l) Distance from nearest road bridge-2.86 km, village road -0.40 km
- m) Whether it is part of cluster –No
- n) Whether EC obtained earlier-No.
- o) Date of approval of mining plan- the Joint Director Geology, Zonal Survey, Koraput vide letter no. 2401 dt. 03.09.2020.
- p) Production capacity per annum-25100 cum/annum (max.), total production in 5 years period-125500 cum, Geological reserve-50580 cum and Mineable reserve-44040 cum and proposed depth of mining-1.0 m
- q) Whether the DSR has been prepared as per the MoEF& CC, Govt. of India Notification S.O. 3611(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020- **No**
- r) **TOR details:** TOR letter has been Issued vide letter no. 3665/SEIAA dated 27.12.2021.



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- Public hearing details:** Public hearing was successfully executed on date 14.09.2022 in the Town Hall, Gunupur under Gunupur Municipality in Rayagada District as per the guidelines given in EIA Notification 14th September' 2006 and its subsequent amendment. Issues raised during public hearing plantation, road development, peripheral development, environmental protection, dust suppression measure, sand transportation and sand mining from river bed. Budget for Corporate Environmental Responsibility (CER) is Rs 1,20,000.
- t) **Location and connectivity:** The mine lease area is in Village – Turkaniguda, Tehsil – Gunupur, District – Rayagada, is on Khata no- 68, Plot no- 339/A of Bansadhara river covered in the Survey of India Topo Sheet No – E44F16 and is bounded between the Latitude - 19° 03' 24.76" N to 19° 03' 34.79" N and Longitude – 83° 47' 10.28" E to 83° 47' 16.68". Nearest Railway Station is Gunupur Railway Station, approx 2.8 km towards NE direction. Nearest Airport is Bhubaneswar Airport, approx 255 km towards ENE direction. Nearest Highway: is SH-4, approx 2.8 km in NE direction.
- u) **Replenishment study:** For the said project replenishment study has been done by UAV/Drone survey (volumetric survey) method. Pre-monsoon Survey was carried out on 10.05.2022 and Post- monsoon Survey was carried out on 25.11.2022. The volume of sand available after post monsoon is around 25821.8 m³, which can be treated as safe extractable within the framework of the study after arrival of river level as it was in pre-monsoon. Further volume of sand also computed which can be extracted as on date (Pre-monsoon survey date) is 38540 m³. As it is a new mine no excavation has done in this year. So, total minable reserve available for mining is 44040 + 25821.8 = 69861.8 m³ whereas, approved production capacity for the year is 25,100 m³.
- v) **Greenbelt:** The management will provide free saplings of fruit and other trees, etc. to local during rain for plantation. This will increase the consciousness in workers and nearby villagers for greenery. Fruit trees can contribute towards their financial gains. About 506 number of trees will be planted along approach road & in village during the first year. Plantation will be done with suitable local species like Teak, Mango, Neem, Jammun, Jhaun etc after consultation with the local authorities.
- w) **Manpower requirement:** A total of 21 nos. of manpower are to be employed in the lease area for mining 25,100 cum/year of sand. Indirect employment through creation of shops/stalls, hired vehicles, etc. also can be generated to full fill the day to day requirements of the mining personnel's.
- x) **Project cost:** The estimated cost of project is around Rs. 60 Lakhs. Budget for Corporate Environmental Responsibility (CER) is Rs 1,20,000 and, budget for Occupational Health is Rs.2,21,000. Budget allotted for the Environmental Management Plan includes capital cost of Rs.1,26,200 and recurring cost of Rs.3,32,400.
- y) **Environment Consultant:** The Environment consultant **M/s P & M Solution, Noida** along with the proponent made a presentation on the proposal before the Committee on 07.07.2023.
- z) The SEAC in its meeting held on dated **03-05-2023** decided to take the decision on the proposal after receipt of the following from the proponent. The proponent has furnished the compliance and the SEAC verified the same as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of SEAC
i)	In the public hearing, most of the public opposed the proposed mining activity. Revised action plan as there are no commitments taken up in	Action plan has been attached for your reference as Annexure -1 .	Copy submitted



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	action plan according to the public hearing demands.		
ii)	KML file shows lease area surrounded by water. Transportation route from proposed quarry to public road along with layout map with permission/NOC from the concerned authority for the same to be submitted.	Transportation route map certified the Tahasildar, Gunupur has attached for your reference as Annexure 2 . Permission copy from Gram Panchayata per using the road has attached for your reference as Annexure 3 .	Copies submitted
iii)	Cluster certificate from concerned Tahasildar.	Cluster certificate from Tahasildar, Gunupur.	Copy submitted

- aa) Considering the information furnished and the presentation made by the consultant, **M/s P & M Solution, Noida** along with the project proponent, the SEAC recommended for grant of Environmental Clearance upto lease period with stipulated conditions as per **Annexure – A and following additional conditions;**
- bb) Any deficiencies/omission have been noticed in the above documents-The lease area is not reflected in the DSR and most of the lease area coming within water channel.

2. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on **23.08.2023** and the SEAC The SEAC recommended for grant of Environmental Clearance upto lease period with stipulated conditions.
 3. **Mining Plan has been approved for extraction of sand for quantity of 25100 cum/annum. However, Replenishment Study Report reveals that 25821.8 cum/annum sand can be extracted. Hence, EC may be recommended for extraction of 25100 m³/annum of sand based on capacity approved in mining plan as replenishment sand capacity is more than approved capacity.**
 4. Amended EIA Notification dated 25th July, 2018, Guidelines for sustainable sand mining, 2016 and Enforcement and Monitoring Guidelines for Sand Mining, January 2020 of MoEF&CC, Govt. of India shall be adhered to in execution of Mining as per **Annexure – D**.
 5. Sand extraction shall be limited to quantity and depth as per replenishment study report. Regular replenishment study as per guidelines to be conducted and report to be submitted.
 6. Provision of Bio-toilet shall be made at the site.
 7. Avenue plantation and plantation on both sides of the haulage road in consultation with/ on the advice of concerned Forest Department, Government of Odisha & W.R. Department Government of Odisha as well.
 8. Stone patching with plantation in between along the stretch of the bank associated with sand mining and necessary ramp construction shall be made.
 9. The KML file (as per Nov 22) shows the lease area is surrounded by water. So, EC may be approved with a condition that mining & transportation of the sand may be start after the water flow ceases naturally on north side of the lease area.
1. The proposal was placed 139th meeting held on 16.10.2023, 17.10.2023 & 19.10.2023 and the Authority observed that the DSR uploaded is neither signed nor approved by the competent authority. Again, the CER budget as proposed by PP is grossly inadequate to address the issues raised in the public hearing After detailed deliberation on the matter, the following decision were taken:
 - a) The PP is required to upload the DSR approved by the competent authority indicating the sairat source applied for EC.
 - b) The CER budget of Rs.1,20,000/- proposed by PP is grossly inadequate to address the issues raised in the public hearing. The Authority feels that a budget of Rs..5.00Lakhs will be required

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to address the issues. The PP is required to revised the CER indicating item wise cost. Accordingly, EDS letter was issued to PP vide letter no. 03.11.2023

2. Now, the PP has submitted reply of our EDS letter vide letter no. Nil dt. Nil

Decision Of Authority: Approved


The Authority peruse the submission made by Tahasildar, Gunupur uploaded in Parivesh Portal on 08.11.2023.

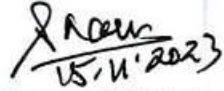
After detailed deliberations, the Authority decided to **grant Environmental Clearance** with usual stipulated conditions as applicable for sand quarry.

- Maximum depth of mining 1.0 meter and maximum quantity of extraction shall be limited to **25821 cum** in 1st year and **25821 cum** in 2nd year.
- The validity of EC is for 1st year and 2nd year or validity of DSR or validity of lease period whichever is earlier.
- The Grant of EC for further period will be considered after submission of approved DSR by SEIAA as per the MoEF& CC, Govt. of India Notification S.O. 3611(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020 and also as per the Hon'ble Supreme Court order vide its order dated 10.11.2021 in Civil Appeal Nos. 3661-3662 of 2020 (State of Bihar Vrs. Pawan Kumar and Others).
- The Project Proponent (lease holder) shall deposit Rs.3,00,000/-, with the respective District Environment Society for raising 600 plants (minimum @100 trees per Ha) of native species within 2 years in a suitable location adjoining to quarry.
- The PP will implement the EMP with a budgetary allocation for capital cost of Rs.1,26,200 and recurring cost of Rs.3,32,400 and CER Cost of Rs. 4.50 Lakh/annum

APPROVED BY


Member Secretary, SEIAA


Member, SEIAA


Chairman, SEIAA

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AGENDA NO.142.21

Proposal No.	SIA/OR/MIN/421786/2023
Date of application	25..03.2023
File No.	421786/804-MINB1/03-2023
Project Type	Proposal for EC
Category	B1
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for grant of EC for Mangarajpur Mahanadi Sand Quarry over an area of 14.00 Acres or 5.66 Ha having Khata No.641(A.A.A), Plot No. 3720/3749 in village Mangarajpur under Baramba Tahasil of Cuttack District, Odisha
Name of the company/Organization	Sri Hara Senapati
Location of Project	village Mangarajpur under Baramba Tahasil of Cuttack District, Odisha
ToR Date	24.05.2021
Name of the Consultant	M/s EHS360 Labs Pvt Ltd (EHS), Chennai - 68

Proposal in brief:

1. The highlights of the proposal as ascertained from the application and as revealed from proceedings/discussion held during the meeting of SEAC/SEIAA, are given as under.
 - i) This proposal is for Environmental Clearance of Mangarajpur Mahanadi Sand Quarry over an area of 14.00 Acres or 5.66 Ha having Khata No.641(A.A.A), Plot No. 3720/3749 in village Mangarajpur under Baramba Tahasil of Cuttack District of Sri Hara Senapati.
 - ii) **Category:** The proposed project as per EIA Notification dated 14th September 2006 and subsequent amendments, falls under Category "B", Project or Activity 1(a) Mining of Minerals.
 - iii) **TOR Details:** Terms of Reference (TOR) was granted by SEIAA, Odisha vide letter no 1346/SEIAA dated: 24.05.2021.
 - iv) Earlier EC was granted by SEIAA, Odisha vide letter no 4404 dated 17.08.2015.
 - v) Mining plan was approved by Deputy Director of Geology, Bhubaneswar. Vide letter no – 7431 DG, on dated 12.11.2020.
 - vi) This is a new project and the lease has been granted to successful bidder Sri Hara Prasad Senapati by the Tahasildar, Baramba vide letter no- 05, dated 01.01.2021.
 - vii) The said lease is an identified sairat source in District Survey Report, Cuttack in Pg – 54, Sl.no. - 90 prepared by Collector, Cuttack.
 - viii) **Public hearing details:** Public hearing was conducted on 14.09.2022 at Village -Mangarajpur under Tahasil Baramba of Cuttack district. Issues raised during public hearing were dust pollution, noise pollution, fixed time limit for movement of sand transportation vehicles, sand should be lifted from exact location, sand transportation vehicles shouldn't move through social forest area and near school area and a particular road should be used for sand transportation. Budget earmarked for action plan of public hearing is Rs. 5 Lakhs.
 - ix) **Location and connectivity:** Mangarajpur Mahanadi Sand Quarry is located in village Mangarajpur under Baramba Tahasil of Cuttack district, Odisha consisting over an area of 14.00 Acres/5.66 Hectares. The proposed lease area is featured in Survey of India toposheet no. 73H/7 and bounded between the Latitudes of N20°22'26.9" to N20°22'35.5" and Longitudes of E85°18'39.6" to E85°18'47.7" bearing Khata No.641, Plot

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No.3720/3749. The proposed lease area is located at a distance of 60 Km from the district headquarters Cuttack. The nearest railway station is Begunia Railway Station which is about 24.5 km from the mine lease area. The nearest airport is Biju Pattnaik International Airport, Bhubaneswar at about 55 km from the mining site. Nearest river embankment, electric transmission pole and road bridge is 2.4 kms, 700 m and 12km respectively. As per Seismicity Map of India, the project location/study area falls in Zone II

- x) **Topography and drainage:** The general topography of the area around the mine site is general plan agricultural land along the river. The area constitutes almost alluvial plain without any conspicuous topographical features and forms a part of the vast Indo-Gangetic plain. The proposed area is undulating. The flow rate of the river varies with the quantity of precipitation in the catchment area. The lease area surrounded mostly with agricultural lands. There is no major impact of mining on the topography of the area. The mining lease area in riverbed will be replenished with sediments after monsoon and the area which in agriculture field will be reclaimed after mining.
- xi) **Replenishment study:** The present date survey by using UAV/Drone indicates the mineable sand deposit is around 26504cum. As per Sustainable Sand management guidelines potential sand deposits may be identified and Replenishment study may be done in regular intervals. Besides 60% of the above computed mineable reserve as above has been taken as available mineable reserve over the area as per MoEF Notification dated 25.07.2018. Maximum of 26504Cu.m of sand per annum may be allowed for mining activities. 60% of the mineable reserve is 15902cum. The maximum extraction limit as per sustainable sand mining Rule of MoEF Guideline is 15902cum.
- xii) **Reserves and total production:** As estimated geological reserve and mineable reserve of the proposed project is 28931 and 24679 cum. Annual production of the proposed project is 3000 cum/annum.

Year	Production (m3)
1st Year	3,000
2nd Year	3,000
3rd Year	3,000
4th Year	3,000
5th Year	3,000
Total	15,000

- xiii) **Method of mining:** The project is a new mine and lies on the bed of Mahanadi. The project for production of Sand (minor minerals) from Mangrajpur Sand Quarry which has been proposed for a total production of 15,000 Cu.m during the plan period. The open cast manual method and transportation through dumpers and tractors. No mining activity will be undertaken during the monsoon season. So, the material will be replenished during the monsoon season every year. The benching pattern is not required for sand mining. The maximum depth of mining will be of 1m or up to water table which is less. No drilling & blasting will be performed for production requirement.
- xiv) **Green Belt:** It is proposed to have plantation on both sides of the roads as greenbelt to provide cover against dust dissemination. Riverbanks will be strengthened by way of plantation on the banks. Plantation will also be carried out as social forestry programme in village, school and the areas allocated by the Panchayat/State authorities. Native plants and other local species will be planted. A suitable combination of trees that can grow fast and have good leaf cover shall be adopted to develop the greenbelt. It is proposed to plant 250 Numbers of native species will be
- a) planted during the 5-year plan period.

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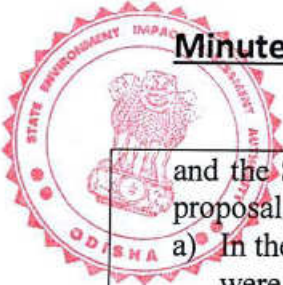
S. No.	Saplings to be planted	Species	Place of Plantation
i)	50	Neem, Mango, Peepal, Shisham, Sirish, Babool, Chakunda	Along the roads, in schools and public building and other social forestry programme
ii)	50		
iii)	50		
iv)	50		
v)	50		
Total	250		

- xv) **Manpower requirement:** In the mine for total production of 3,000 cum/annum of River Sand and 6 nos. of person are to be employed daily. The indirect employment opportunities for hired vehicles, etc. also can be generated to full fill the day-to-day requirements of the mining personals.
- xvi) **Project Cost:** The project proponent will incur a total cost of Rs. 290.00 Lakhs sand may vary from place to place and with magnitude of the sand mining. EMP cost includes a capital cost of Rs. 14,50,000 and recurring cost of Rs. 5,80,000.

Particulars	Capital Cost	Recurring Cost
Environmental Monitoring	3,00,000	1,00,000
Plantation	2,00,000	20,000
Dust Suppression	5,00,000	4,50,000
Others (Pollution Control	4,50,000	10,000
Total	14,50,000	5,80,000

- xvii) The Environment consultant M/s EHS360 Labs Pvt Ltd (EHSL), Chennai - 68 along with the proponent made a presentation on the proposal before the Committee.
- xviii) The SEAC in its meeting held on dated 19.06.2023, the committee recommended the following:
- The revised replenishment study report submitted by the proponent is not acceptable for the reasons as pointed out at para 22 above.
 - The proposal to be considered after receipt of fresh replenishment study report incorporating the comments of the members at para 22 above.
- xix) Any deficiencies/omission have been noticed in the above documents-as above

2. **Whether SEAC recommended the proposal** –The proposal was placed in SEAC meeting held on 31.07.2023 and The Committee observed and recommended the following:
- In the replenishment study report submitted by PP there was net loss of sand and clarifications were sought. Compliance furnished by the lessee is not satisfactory. Fresh replenishment study was asked which is not submitted. Two different methods are used for pre and post monsoon study which are not comparable. Figures are changed arbitrarily in each of the communication without any supporting documents or data. In the first study it was net loss of sand but was made deposition in the subsequent communication with so many gaps (as pointed out) now some more changed figures are submitted. This whole thing makes it difficult to accept. Hence, replenishment study report is rejected.
 - In view of net loss of sand in replenishment study report and unsatisfactory compliance it is recommended to return the proposal to SEIAA to take further action.
3. The proposal is placed 135th meeting of SEIAA, Odisha held on 11.09.2023 & 12.09.2023 and the Authority observed that the SEAC have not accepted the replenishment study report submitted by PP



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and the SEAC have returned the proposal of EC to SEIAA citing the following deficiency in the proposal:

- a) In the replenishment study report submitted by PP there was net loss of sand and clarifications were sought. Compliance furnished by the lessee is not satisfactory. Fresh replenishment study was asked which is not submitted. Two different methods are used for pre and post monsoon study which are not comparable. Figures are changed arbitrarily in each of the communication without any supporting documents or data. In the first study it was net loss of sand but was made deposition in the subsequent communication with so many gaps (as pointed out) now some more changed figures are submitted. This whole thing makes it difficult to accept. Hence, replenishment study report is rejected.
 - b) In view of net loss of sand in replenishment study report and unsatisfactory compliance, the SEAC have recommended to return the proposal to SEIAA to take further action. After detailed deliberations in the matter, the Authority agreed with the recommendation of SEAC and decided that the PP is required to explain why the proposal of EC **shall not be rejected** for the above deficiency. Accordingly, EDS letter was issued to PP on dt. 04.10.2023
4. Now, the PP has submitted reply of SEIAA, Odisha EDS letter vide Nil dt. 18.10.2023

Decision Of Authority: Referred Back

The Authority perused the ARRS report submitted by the PP and decided to refer back the same to SEAC for re-examination and their views and recommendation.

APPROVED BY

Member Secretary, SEIAA

Member, SEIAA

Chairman, SEIAA

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AGENDA NO.142.22

Proposal No.	SIA/OR/MIN/415872/2023
Date of application	25.01.2023
File No.	415872/786-MINB1/01-2023
Project Type	Proposal for EC
Category	B1
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for grant of EC for Turkel Sand Quarry-1 & 2 (Under Cluster Approach) over an area of 24.70 Acres or 10.00 Ha having Khata No.221, Plot No. 270 in village Turkel under Kalahandi Tahasil of Kalahandi District of Tahasildar Kalahandi
Name of the company/Organization	Tahasildar Kalahandi
Location of Project	village Turkel under Kalahandi Tahasil of Kalahandi District of Tahasildar Kalahandi
ToR Date	11/11/2022
Name of the Consultant	M/s Green Circle Inc.

1. Proposal in brief:

- (ii) The highlights of the proposal as ascertained from the application and as revealed from proceedings/discussion held during the meeting of SEAC/SEIAA, are given as under.
- (iii) This is a proposal for mining of sand from Turkel Sand Quarry-1 & 2 (Under Cluster Approach) over an area of 24.70 Acres or 10.00 Ha having Khata No.221, Plot No. 270 in village Turkel under Kalahandi Tahasil of Kalahandi District of Tahasildar Kalahandi.
- (iv) The mining area is a part of Survey of India Toposheet No. 64P/4, and the lease area bounded by Latitude: N20° 08' 30.9" to N20° 08'39.8" and Longitude E83° 05' 18.6" to E83° 05' 40.9.
- (v) The mining lease is an identified sairat source in the DSR. The Turkel Sand Quarry-1 & 2 (Under Cluster Approach) sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Kalahandi to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- (vi) Documents submitted: -Form-1, PFR, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, topo map etc.
- (vii) Whether submitted KML file of the lease area-Yes
- (viii) Whether submitted scrutiny fee-No as Tahasildar is the applicant
- (ix) Distance from nearest sanctuary/ESZ- Karlapat WLS-53.0 Km
- (x) Whether the lease area coming in DLC report-No,
- (xi) Whether the lease area reflecting in DSR-Yes
- (xii) Method of mining-Manual
- (xiii) River-Tel, Depth of sand deposition-2.0
- (xiv) Distance from nearest road bridge-0.15 km, village road -0.50 km,
- (xv) Whether it is part of cluster –Yes, the total lease area under cluster is 10. Ha
- (xvi) Whether EC obtained earlier-Yes, the earlier EC was obtained from DEIAA, Kalahandi vide letter no. 36 dated 24.04.2017 with annual production capacity 4000 cum/annum and the PP has submitted EC compliance but not mentioned the production for last 5 years.
- (xvii) Date of approval of mining plan- Geologist, O/o Joint Director Geology Zonal Survey, Balangir, Odisha vide letter no. Memo no.-850 dated 01/09/2021

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(xviii) Production capacity per annum-16120 cum/annum (max.), total production in 5 years period-100600 cum, Geological reserve-200000 cum and Mineable reserve-108260 cum and proposed depth of mining-1.8 m

Name Of The Lease Cluster	Year	Surface Area m ²	Thicknes s m	Production (m ³)
Turkel sand Quarry-1	1 st Year	2000	2	4000
	2 nd Year	2000	2	4000
	3 rd Year	2000	2	4000
	4 th Year	2000	2	4000
	5 th Year	2000	2	4000
Total				20,000
Turkel sand Quarry2	1 st Year	8060	2	16120
	2 nd Year	8060	2	16120
	3 rd Year	8060	2	16120
	4 th Year	8060	2	16120
	5 th Year	8060	2	16120
Total				80,600
Turkel Cluster				100600

- (xix) Whether the DSR has been prepared as per the MoEF& CC, Govt. of India Notification S.O. 3611(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020- **No**
- (xx) **TOR details:** Terms of Reference was granted by SEIAA vide File No. SIA/OR/MIN/68237/2022 on dated 22/02/2022 & SIA/OR/MIN/80758/2022 on dated 11/11/2022.
- (xxi) **Public hearing details:** Public hearing was held on dated 14.09.2022 at 10.00 AM near Chahagaon Gram Panchyat Office under Kalahandi block of Kalahandi District. During Public Hearing, about 80 local people participated and 33 suggestions/opinions were received by local citizens. Issues raised were regarding transportation of sand, transportation route, sand mining from river bed, control of vehicular emission during transportation, dust suppression measures, road development, provision of drainage facility in the village to avoid water logging problem, plantation, utilization of DMF fund for peripheral development of the village, road development and protection of environment. The amount incurred for action plan of public hearing is Rs. 50,000
- (xxii) **Replenishment Study Report** – For Replenishment study, the survey was done by using UAV/Drone which indicates the mineable sand deposit is around 33525 cum. 60% of the above



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computed mineable reserve has been taken as available mineable reserve over the area as per MoEF Notification dated 25.07.2018. Maximum of 33525 cum of sand per annum may be allowed for mining activities. 60% of the mineable reserve is **20115 cum**. The maximum extraction limit as per sustainable sand mining Rule of MoEF Guideline is 20115cum.

- (xxiii) **Project cost:** Total project cost is Rs. 50 lakhs. Capital cost for EMP is Rs. 2,90,000. Recurring cost of EMP is Rs. 1,50,000 per annum.
- (xxiv) Any deficiencies/omission have been noticed in the above documents-Not submitted last five years production.

2. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 11.07.2023 and the SEAC **recommended** the proposal for EC with observation:-

- Amended EIA Notification dated 25th July, 2018, Guidelines for sustainable sand mining, 2016 and Enforcement and Monitoring Guidelines for Sand Mining, January 2020 of MoEF&CC, Govt. of India shall be adhered to in execution of Mining as per **Annexure – D**.
- Regular replenishment study as per guidelines to be conducted and report to be submitted.
- Provision of Bio-toilet shall be made at the site.
- Avenue plantation and plantation on both sides of the haulage road in consultation with/ on the advice of concerned Forest Department, Government of Odisha & W.R. Department Government of Odisha as well.
- Stone patching with plantation in between along the stretch of the bank associated with sand mining and necessary ramp construction shall be made.
- Bridge is of 1km length and about 200meter from the lease area. As per Enforcement and Monitoring Guidelines for Sand Mining 2020 “Sand and gravel shall not be extracted up to a distance of 1 kilometer from major bridges and highways on both sides, or 5X of the length of the bridge on the upstream side and 10X on downstream side”. Taking these criteria, sand extraction shall be permitted leaving the Non-Mining zone as Safety zone from the bridge.

3. The proposal was placed 130th meeting of SEIAA, Odisha held on 01.08.2023, 02.08.2023 & 03.08.2023 and the Authority observed that in the google earth map of KML file shows there is a bridge along Bhawanipatna- Raipur highway within an approx. distance of 165meters from the proposed lease area. The MoEF & CC,GoI, Enforcement & Monitoring Guideline for sand mining-2020 stipulated in the para 4.3 (h) of MoEF & CC Enforcement & Monitoring Guidelines for Sand Mining 2020, state that the Sand and gravel shall not be extracted up to a distance of 1 kilometre (1 km) from major bridges and highways on both sides, or five times (5x) of the span (x) of a bridge/public civil structure (including water intake points) on up-stream side and ten times (10x) the span of such bridge on down-stream side, subjected to a minimum of 250 meters on the upstream side and 500 meters on the downstream side.

After detailed deliberation in the matter, the Authority decided to seek clarification on the following:

- (i)The Tahasildar, Kalahandi is required to submit a NOC from the Concerned Authority, who is the owner of the bridge, for sand mining in the lease area. Accordingly, EDS letter was issued on 25.08.2023 for clarification from PP.

4. Now, the PP submitted their reply vide letter no. 5813 dt. 10.10.2023

Decision Of Authority: Approved


The Authority peruse the letter dt. 09.10.2023 of Superintending Engineer, Kalahandi (R & B) Division, Bhawanipatna stating that they have no objection if mining will operate after 500 meter radius left from major Turkel Bridge.


After detailed discussion, the Authority approved EIA & EMP with following specific conditions:

- The PP shall apply individual application for EC with required documents.
- The Tahasildar, Kalahandi shall demarcate the lease area with minimum 500 meter distance from the major Turkel Bridge by posting RCC pillar jointly with Superintending Engineer, Kalahandi (R & B) Division, Bhawanipatna and Mining Officer, Kalahandi.
- The cost of RCC pillar posting shall be borne by PP/lessee.

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15.11.2023**

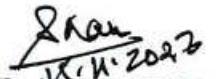
- d) The Tahasildar shall ensure that no mining takes place within 500 meter from the Major Turkela Bridge.




Member Secretary, SEIAA

APPROVED BY


Member, SEIAA


Chairman, SEIAA



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15.11.2023**

AGENDA NO.142.23	
Proposal No.	SIA/OR/MIN/404049/2022
Date of application	22.02.2023
File no.	404049/886-MINB2/03-2023
Project Type	Fresh EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for EC of Baddohel Sand Quarry over an area 12.30Acre or 4.977Ha in village Baddohel under Khariar tahasil of Nuapada district Odisha
Name of the company/Organization	Khariar Tahasil
Location of Project	village Baddohel under Khariar tahasil of Nuapada district Odisha
ToR Date	N/A
Name of the Consultant	N/A

Proposal in brief:

1. The highlights of the proposal as ascertained from the application and as revealed from proceedings/discussion held during the meeting of SEAC/SEIAA, are given as under.
 - (i) This is a proposal for mining of sand from fresh Baddohel Sand Quarry over an area 12.30Acre or 4.977Ha in village Baddohel under Khariar tahasil of Nuapada district Odisha.
 - (ii) The mining area is a part of Survey of India Toposheet No. F44W15. and the lease area bounded by Latitude: 20°15'12.35"N to 20°15'18.96"N and Longitude: 82°47'30.86"E to 82°47'48.61"E.
 - (iii) The mining lease is an identified sairat source in the DSR. The Baddohel Sand Quarry sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Khariar to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
 - (iv) Documents submitted: -Form-1, PFR, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, topo map etc.
 - (v) Whether submitted KML file of the lease area-Yes
 - (vi) Whether submitted scrutiny fee-No, tahasildar is the applicant
 - (vii) Distance from nearest sanctuary/ESZ- Sunabeda WLS-25.0 Km
 - (viii) Whether the lease area coming in DLC report-No, N/A
 - (ix) Whether the lease area reflecting in DSR-Yes
 - (x) Method of mining-manual
 - (xi) River- Sundar, Depth of sand deposition-1.2 m
 - (xii) Distance from nearest road bridge-3.9 km, village road-0.9 km
 - (xiii) Whether it is part of cluster -No
 - (xiv) Whether EC obtained earlier-Yes and submitted EC compliance.
 - (xv) Date of approval of mining plan- the Joint Director of Geology, Zonal Survey, balangir on 28.07.2022.
 - (xvi) As per approved mining plan the Geological reserve of the quarry is 54191.5 cum, Mineable reserve is 44499.5 cum, annual production will be 3000/annum with total production in 5 years is 15000 cum.
 - (xvii) Whether the DSR has been prepared as per the MoEF& CC, Govt. of India Notification S.O. 3611(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020- No
 - (xviii) Budget for EMP- Rs. 1.20/ - Lakh per annum

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(xix) Any deficiencies/omission have been noticed in the above documents- Nil

1. **Whether SEAC recommended the proposal** – The proposal was placed in SEAC meeting held on 2nd, 7th, 8th & 11th Sept, 2023 and after detailed discussion, the SEAC observations the following-


The SEAC observed that the major water flow channel is crossing the lease area dividing the land mass as seen in kml file. Moreover, major part of the lease area is having clay deposit. The proposed mine development plan shows year wise mining area. Whereas the replenished deposit area has been ignored. Hence, the SEAC decided to reject the proposal.


Decision Of Authority: Referred Back

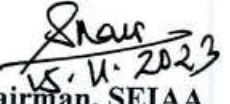
The Authority observed that there are three sand quarry proposal in the river-Sunder within stretch of 10 Km in the river channel. The Bichhanapalli sand quarry-I which is located in the centre (i.e. Baddohel Sand Quarry and Bichhanapali-2 Sand Quarry) and has been granted EC on 24.11.2022 vide proposal no. SIA/Or/MIN/284097/2022. The Other two proposal i.e. Baddohel Sand Quarry vide proposal no. SIA/OR/MIN/404049/2022 and Bichhanapali-2 Sand Quarry vide proposal no. SIA/OR/MIN/404088/2022 are rejected by SEAC.

In view of this, all three cases i.e. proposal no. SIA/Or/MIN/284097/2022, SIA/OR/MIN/404049/2022 & SIA/OR/MIN/404088/2022 are referred back to SEAC for re-examination and considered view/recommendation

APPROVED BY


Member Secretary, SEIAA


Member, SEIAA


Chairman, SEIAA



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AGENDA NO.142.24

Proposal No.	SIA/OR/MIN/404088/2022
Date of application	21.02.2023
File no.	404088/880-MINB2/03-2023
Project Type	Fresh EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for EC of Bichhanapali-2 Sand Quarry over an area 12.30Ac or 4.977Ha in village Bichhanapali under Khariar tahasil of Nuapada district Odisha
Name of the company/Organization	Khariar Tahasil
Location of Project	village Bichhanapali under Khariar tahasil of Nuapada district Odisha
ToR Date	N/A
Name of the Consultant	N/A

Proposal in brief:

1. The highlights of the proposal as ascertained from the application and as revealed from proceedings/discussion held during the meeting of SEAC/SEIAA, are given as under.
 - (i) This is a proposal for mining of sand from fresh Bichhanapali-2 Sand Quarry over an area 12.30Ac or 4.977Ha in village Bichhanapali under Khariar tahasil of Nuapada district Odisha.
 - (ii) The mining area is a part of Survey of India Toposheet No. F44W16. and the lease area bounded by Latitude: 20°14'46.43"N to 20°15'03.10"N and Longitude: 82°46'02.15"E to 82°46'18.03"E.
 - (iii) The mining lease is an identified sairat source in the DSR. The Bichhanapali-2 Sand Quarry sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Khariar to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
 - (iv) Documents submitted: -Form-1, PFR, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, topo map etc.
 - (v) Whether submitted KML file of the lease area-Yes
 - (vi) Whether submitted scrutiny fee-No, Tahasildar is the applicant
 - (vii) Distance from nearest sanctuary/ESZ- Sunabeda WLS-23.0 Km
 - (viii) Whether the lease area coming in DLC report-No, N/A
 - (ix) Whether the lease area reflecting in DSR-Yes
 - (x) Method of mining-manual
 - (xi) River- Sundar, Depth of sand deposition-1.2 m
 - (xii) Distance from nearest road bridge-1.2 km, village road-0.8 km
 - (xiii) Whether it is part of cluster -No
 - (xiv) Whether EC obtained earlier-Yes and submitted EC compliance.
 - (xv) Date of approval of mining plan- the Joint Director of Geology, Zonal Survey, balangir on 28.07.2022.
 - (xvi) As per approved mining plan the Geological reserve of the quarry is 51990 cum, Mineable reserve is 41636.4 cum, annual production will be 3000/annum with total production in 5 years is 15000 cum.
 - (xvii) Whether the DSR has been prepared as per the MoEF& CC, Govt. of India Notification S.O. 3611(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020- **No**

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- (xviii) Budget for EMP- Rs. 1.20/- Lakh per annum
(xix) Any deficiencies/omission have been noticed in the above documents- Nil

2- Whether SEAC recommended the proposal – The proposal was placed in SEAC meeting held on 2nd, 7th, 8th & 11th Sept, 2023 and after detailed discussion, the SEAC observations the following-


The SEAC observed that the major water flow channel is crossing the lease area dividing the land mass as seen in kml file. Moreover, major part of the lease area is having clayey deposit. The proposed mine development plan shows year wise mining area. Whereas the replenished deposit area has been ignored. Hence, the SEAC decided to reject the proposal.

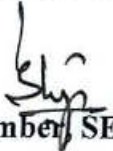
Decision Of Authority: Referred Back

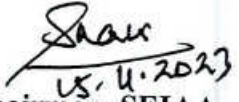
The Authority observed that there are three sand quarry proposal in the river-Sunder within stretch of 10 Km in the river channel. The Bichhanapalli sand quarry-I which is located in the centre (i.e. Baddohel Sand Quarry and Bichhanapali-2 Sand Quarry) and has been granted EC on 24.11.2022 vide proposal no. SIA/Or/MIN/284097/2022. The Other two proposal i.e. Baddohel Sand Quarry vide proposal no. SIA/OR/MIN/404049/2022 and Bichhanapali-2 Sand Quarry vide proposal no. SIA/OR/MIN/404088/2022 are rejected by SEAC.

In view of this, all three cases i.e. proposal no. SIA/Or/MIN/284097/2022, SIA/OR/MIN/404049/2022 & SIA/OR/MIN/404088/2022 are referred back to SEAC for re-examination and considered view/recommendation

APPROVED BY


Member Secretary, SEIAA


Member, SEIAA


15.11.2023
Chairman, SEIAA