

**Minutes of 130th Meeting of SEIAA, Odisha Held on 01.08.2023, 02.08.2023 &
03.08.2023**



AGENDA NO.130.01

Proposal No.	SIA/OR/MIN/405229/2022
Date of Application	20.07.2023
File No.	405229/72-MINB1/07-2023
Project Type	EC
Category	B1
Project/Activity including Schedule No.	1(a)-Mining of Minerals
Name of the Project	Proposal for EC for Enhancement in Production of Iron Ore from 3,00,300 (0.3 million) TPA to 7,00,005 (0.7 million) TPA ROM with total excavation of 1.024 million TPA (ROM of 0.7 million TPA + 0.324 million TPA waste). Setting up two mobile Crushing of 150 TPH capacity each and two mobile Screening units of 250 TPH capacity each in Adaghat Iron Ore Mines over an area of 15.074 ha. of M/s National Enterprises in Village-Adaghat under Block & Tehsil: Koida, Subdivision- Bonai in District: Sundargarh
Name of the company/Organization	Applicant: M/s National Enterprises Sri. Charanjit Singh Grewal; Proprietor
Location of Project	In Village- Adaghat under Block & Tehsil: Koida, Subdivision- Bonai in District: Sundargarh
Name of the Consultant	M/s Centre for Envotech and Management Consultancy Pvt. Ltd., Bhubaneswar

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.

- (i) This proposal is for environmental clearance for enhancement in production of Iron ore from 3,00,300 (0.3 million) TPA to 7,00,005 (0.7 million) TPA ROM with total excavation of 1.024 million TPA (ROM of 0.7 million TPA + 0.324 million TPA waste), setting up two mobile crushing of 150 TPH capacity each and two mobile screening units of 250 TPH capacity each in Adaghat Iron ore mines over an area of 15.074 Ha. of M/s National Enterprises in village- Adaghat under Block & Tahasil: Koida, Subdivision- Bonai in District: Sundargarh of Sri Charanjit Singh Grewal.
- (ii) Mining lease for iron ore was granted in favour of M/s National Enterprises for 20 years vide letter no. 12730/SM dated 20.10.2000 of Dept. of Steel & Mines, Govt. of Odisha. Later as per MMDR Amendment Act, 2015, the lease deed was executed for entire lease area over 15.074 ha. on 11.01.2017 for a period of 50years from the date of execution.
- (iii) Modified mining plan was approved by Regional Controller of Mines, Indian Bureau of Mines vide letter no- MPM/OTF-MECH/14-ORI/BHU/2010-11, dated 27-09-2010.
- (iv) The Review of Mining Plan along with Progressive Mine Closure Plan has been approved for the period 2021-22 to 2025-26 by the same authority vide letter no- RMP/A/22- ORI/BHU/2020-21, dated 09-11-2020.
- (v) The entire Mining Lease area of 15.074 ha. is in D.I.C forest land. Stage -II clearance for the forest land involved in the lease area has been issued by the Eastern Regional Office, Bhubaneswar of

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the MoEF & CC vide letter no. S-ORC256/2015-BHU, dt. 05.08.2019 for 15.074 ha. forest land, including safety zone of 1.40 ha.

- (vi) Certificate under Forest Right Act has been issued by the Collector, Sundargarh for the forest land of 15.074 ha. in two phases.
- (vii) As per the report of the DFO, Bonai Forest Division, there is no violation under FC Act, 1980.
- (viii) Due to presence of Indian Elephant & Sloth Bear (Schedule- I species), Site Specific Conservation Plan has been prepared with a budgetary provision of Rs 290.40 lakhs; which has been approved by the PCCF (Wildlife) vide Memo no. 4763/1WL(C)SSP-348/2012, dt 12th May, 2014.
- (ix) Adaghat Iron Ore Mines has Environmental Clearance from SEIAA, Odisha vide letter no. 7695/SEIAA, dated 24.12.2019 for production of 3,00,300 (0.3 million) TPA of iron ore.
- (x) Consent to Operate has been issued by SPCB, Odisha for the same quantity vide letter no. no. 4943/IND-I-CON-6689, dated 29.03.2022, valid upto 31.03.2023.
- (xi) Certified report on previous EC conditions was obtained from MoEF&CC, IRO, Bhubaneswar vide file no. 1083/22/EPE, dt 07.10.2022.
- (xii) The present lessee has started the mining operation within the lease area for production of iron ore with effect from 04.01.2020. Now, the lessee has planned to enhance the produce of iron ore to maximum ROM of 7,00,005 (0.7 million) TPA (5,47,830 TPA of +55% grade iron ore and 1,52,175 TPA of +45 to +55% grade iron ore) with total excavation of 10,24,625 (1.024 million) TPA (ROM of 7,00,005 TPA + 3,24,620 TPA of waste) and setting up two mobile Crushers of 150 TPH capacity each & two mobile Screening Plants of 250 TPH Capacity each within the lease area.
- (xiii) **Location and connectivity:** The project is coming under village Adaghat of Bonai Sub-division in Sundargarh District and is at a distance of 8km from Koida town. The ML area is covered under the SOI toposheet No. 73 G/5 and the geo coordinates are Latitude- 21° 55' 25.22002" N to 21° 55' 43.04502" N and Longitude - 85° 19' 07.43920" E to 85° 19' 48.30132" E. The project site is at a distance of 290km from Bhubaneswar; 28 km from Barbil railway station, 36km from Barsuan railway siding and 11km from Jaroli railway station & siding on Daitari-Bansapani line. Nearest airport is Veer Surendra Sai Airport, Jharsuguda at 180km away.
- (xiv) Drainage system of the area is dendrite type. The Suna Nadi is a tributary of Baitarani River which controls the drainages system of the area and flows due north in the region and then east to meet the Bay of Bengal. Apart from Suna /Kundra river, other major river /nala are Teherai nala (in South direction, 3km away), Kakarpani nala (in East direction, 4km away) and Karo river (in NW direction, 7.8km away).
- (xv) There is no human settlement within the ML area. The area does not have any monuments of historical or archeological importance, pilgrimage, any place of tourist interest, national park, bird or wild life sanctuary.
- (xvi) The Geological Reserve within the lease area is re-estimated to be 4.188 million tons whereas the Mineable Reserve is 3.949 million tons and production of mines as per given table:

Production Year	Total Excavation in MT	ROM in MT	Saleable Ore in MT	Mineral Rejects in MT	Intercalated Waste in cum
1 st Year (2021-22)	4,39,603	3,00,323	2,35,035	65,288	69,640 (1,39,280 MT)
2 nd Year (2022-23)	4,59,298	3,13,778	2,45,565	68,216	72,760 (1,45,520 MT)
3 rd Year (2023-24)	6,12,060	4,18,140	3,27,240	90,900	96,960 (1,93,920 MT)
4 th Year (2024-25)	7,87,840	5,38,200	4,21,200	1,17,000	1,24,800 (2,49,640 MT)
5 th Year (2024-25)	10,24,645	7,00,005	5,47,830	1,52,175	1,62,320 (3,24,640 MT)

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- (xvii) Mining Process: Open cast mechanized method of mining on single shift basis is proposed to excavate iron ore to gradually achieve the production target. Drilling and blasting will be adopted for loosening of hard rock mass by rock drill. Ore to waste ratio is 1: 1.5 (both in cum).
- (xviii) Topography: Applied mining lease area is mainly dominated by the hill slopes and belongs to a part of a NW-SE trending hill. North-eastern part of applied area is comparatively flat than south-western part. The altitude of the highest part of the area is 635m RL, while that of the lowest part is 560m RL. The elevation difference is 75m. Forest growth is observed to be sparse in the places of in-situ iron ore exposures and dense on the float ores. A part of the area around float quarry and mine road is free from forest growth.
- (xix) Green belt: During the conceptual period, 18280 nos. of plants will be planted on the backfilled area of 11.424 ha., which includes 2240 plantation as bench plantation over exhausted benches of 1.4 ha. Apart from it, 1.4 ha. of the conceptual dump area will be terraced & plantation will be developed on each terrace; 0.25 ha. of mineral separation area will also be covered under plantation.
- (xx) Water requirement: The maximum water requirement in the project will be 30 KLD; which will be drawn from Suna River with required permission. Out of the 30 KLD water, 2 KLD will be used for drinking and washing purposes, 25 KLD for dust suppression in haul road, screening & crushing area and 3 KLD will be consumed by plantation.
- (xxi) Power requirement: The supply of electrical energy for the mine site shall be received from CESCO. The approximate maximum power requirement for the mining complex (including office) shall be 500KVA.
- (xxii) Public Consultation: Public Hearing for Enhancement in Production from Adaghat Iron Ore Mines was conducted on 21.12.2021 at 11.00 A.M. in the open ground, near Hanuman Temple in Adaghat village in accordance with the MoEF, Govt. of India, EIA Notification No.SO-155 3(E) dt.14.09.2006. As per the demands, the project proponent has committed to take dust control measures, undertake plantation, give priority to local employment, to make concrete village road, provide bore well for drinking water, electrification of village road, etc. Rs 16 lakhs will be spent under CER for various socio-economic activities, whereas Rs 5 lakhs will be spent annually towards regular maintenance & recurring activities.
- (xxiii) Baseline study of the study area was conducted during Summer season (March 2021 to May 2021). Following results were obtained:
- Ambient Air Quality Monitoring made in 8 locations & results shows the values of PM_{10} – 60.8 $\mu\text{g}/\text{m}^3$ - 81.3 $\mu\text{g}/\text{m}^3$, $PM_{2.5}$ – 31.9 $\mu\text{g}/\text{m}^3$ – 42.5 $\mu\text{g}/\text{m}^3$, SO_2 – 5.8 $\mu\text{g}/\text{m}^3$ – 12.9 $\mu\text{g}/\text{m}^3$, NO_x – 10.4 $\mu\text{g}/\text{m}^3$ -18.8 $\mu\text{g}/\text{m}^3$.
 - Noise Quality ranges from 40.2 dB(A) – 71.5 dB(A) during day time and 35.6 dB(A) – 42.3 dB(A) during night time.
 - Surface water quality monitored in 5 locations and pH range from 7.21 to 7.94., total dissolved solids – 144.8mg/L to 171.6 mg/L, Iron content ranges from 0.32 mg/L to 0.42 mg/L, Chloride content ranges from 31.9 mg/L to 34.9 mg/L, sulphate content ranges from 6.4 mg/L to 8.6 mg/L, BOD content ranges from 2.8 mg/L to <2.0 mg/L, Fluoride content ranges from 0.12 mg/L to 0.21 mg/L, Nitrate content ranges from 2.9 mg/L to 5.2 mg/L. Total coliforms ranges from 270 MPN/100ML to 1600 MPN/100ML. All other parameters were also found to be within the permissible limits.
 - Ground water quality monitored in 5 locations and pH ranges from 6.72 to 7.22., total dissolved solids ranges from 248mg/L to 294 mg/L, total Hardness as $CaCO_3$ ranges from 130 mg/L to 152 mg/L, total alkalinity ranges from 106 mg/L to 132 mg/L. Iron content ranges from 0.23mg/L to 0.26 mg/L, Chloride content ranges from 31 mg/L to 41 mg/L, sulphate content ranges from 21.7 mg/L to 29.1 mg/L, Fluoride content ranges from 0.11 mg/L to 0.27 mg/L, Nitrate content ranges from 2.1 mg/L to 4.1 mg/L, Magnesium content ranges from 10.21 mg/L to 13.12 mg/L. All other parameters were also found to be within the permissible limits.

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- Soil quality measured in 5 locations and color of soil found to be reddish brown, texture of soil is sandy loamy, moisture content ranges from 5.4% to 8.2%, pH ranges from 5.84 to 6.31, Available Organic carbon (%) – 1.11 to 1.62 etc.

(xxiv) Land Use/ Land cover – The land utilization plan as per the table:

Type of land use	Existing Land use (in ha.)	At the end of Plan Period (in ha.)	At the end of Conceptual Period (in ha.)
Area under excavation	1,860	8,264	11,424
Overburden dump	0.100	1.30	1.40
Mineral storage	0.500	---	---
Infrastructure (office, canteen, rest shelter, weigh bridge, etc)	0.200	0.200	0.200
Road	0.200	0.200	0.400
Green belt in safety zone	0.400	1,000	1,400
Mineral Separation Plant	0.250	0.250	0.250
Sub-Total	3,510	11,214	15,074
Untouched area	11,564	3,860	---
Total	15,074	15,074	15,074

(xxv) Manpower: All total 59 persons will have direct employment in the mines after proposed enhancement in production, which includes managerial /supervisory staff.

(xxvi) Project Cost: The project cost is estimated to be Rs 9 crores and there is a budgetary provision of Rs 135 lakhs as capital cost & Rs 40 lakhs as annual recurring cost towards environmental protection measures; which includes air pollution control measures like Installation & maintenance more Automatic Sprinklers, Purchase & maintenance of one more water tanker & machineries for water sprinkling, etc; water pollution control measures like Construction & maintenance of boulder wall and garland drain, Modification of existing settling ponds & it's collecting drains, Desilting of pond & drains, etc . noise pollution control measures-training to employees, maintenance of vehicles, etc. Environment Monitoring and Management, Occupational Health and Green Belt Development and Maintenance.

(xxvii) The proponent along with the consultant M/s Centre for Envotech and Management Consultancy Pvt. Ltd., Bhubaneswar, made a detailed presentation before the SEAC on 12.12.2022.

(xxviii) The PP submitted ADS to SEAC and the proposal was considered for EC on 20.02.2023.

(xxix) The proposed site was visited by the sub-committee of SEAC on 18.01.2023. Following are the observations of the sub-committee:

- It was observed that the excavation is being carried out in two quarries. The stripping ration being very low, a small quantity of over burden (OB) has been generated, which is stored in the OB dump located in the North western part of the lease. As per mine management, the small amount of top soil generated is utilized in the plantation carried out in dumps and mine boundary.
- The runoff generated from the quarry areas goes to the deep most part of the quarries and percolates underground.
- Two settling ponds have been constructed in the North-West and North-East corners of the lease to store the runoff from areas. Drains have been provided to channelize the runoff to both the sumps. It was felt that the size of the settling ponds is small and may not be adequate to store the runoff generated during heavy rainfall in the monsoon season. Moreover, the settling pond in the North-west corner is very close to the OB dump, which may cause instability of the dump in future. It is advised that settling pond may be relocated to a convenient location away from the OB dump. Moreover, the sizes of settling ponds are required to be determined based on available past rainfall data.

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- The mine management was advised to carry out the slope stability study of the OB dumps, even though the OB dump is very small at the moment. With enhanced production, the size of the OB dump will increase, and thus it is desirable to implement the suggestions of the scientist study to ensure its stability against failure.
- The existing mobile screening units have been provided with water spraying arrangement to prevent the dust from getting air borne. The mine management was advised to explore the possibility of replacing the nozzles with the ones that will produce fine atomized spray instead of coarse water droplets.

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

Whether SEAC recommended the proposal – Yes, in its meeting held on 20.02.2023, the SEAC recommended for grant of Environmental Clearance with stipulated conditions and following specific conditions.

- (i) The proponent shall utilize different grades of iron ore (ROM) and waste generated according to IBM guidelines.
- (ii) The proponent shall carry out compensatory afforestation for the project site.
- (iii) The proponent shall adopt additional measures for dust suppression.
- (iv) Conversion of Gochar / Grazing land if involved in lease area shall be made before going for mining activity.
- (v) Rainwater harvesting structures shall be implemented.
- (vi) The lessee shall take adequate safeguard measures to ensure the free flow of the nearby tributaries/nallahs if any.
- (vii) The EC is limited to secondary crushing and screening operations (dry process) as per approved mining plan. Under no circumstances, the lessee shall carry out any beneficiation activity (wet process) of low grade ore.
- (viii) All the ores (45-55) and +55 grades shall be used and ores & rejects shall be transported as per approved mining plan for their use. Only temporary stacks shall be operated. The mine shall avoid segregation & generation of fines and flow of silt during rainy session.
- (ix) Green processes like controlled drilling, Environment friendly blasting, safe transportation and conveying, silt-management shall be followed as per guidelines.
- (x) The settling pond shall be relocated to a convenient location away from the OB dump. The sizes of settling ponds shall be determined based on available past rainfall data.
- (xi) The mine shall explore the possibility of replacing the nozzles with the ones that will produce fine atomized spray instead of coarse water droplets.

The mine shall carry out the slope stability study of the OB dumps for the enhanced production capacity.

2. The proposal was placed in the 116th meeting of SEIAA held on 26.04.2023 and 27.04.2023 and the Authority decided as follows:

The proposal was placed in the 113th meeting of SEIAA and the Authority observed that certified as per compliance report dated 07.10.2022 of IRO, Bhubaneswar, the PP has not complied with a number of stipulations in the original EC. The Authority decided to defer the proposal and issue show cause to PP why the EC shall not be revoked for non-compliance of earlier EC conditions.

Now the PP has submitted reply to the show cause notice dated 04.04.2023 of SEIAA, Odisha vide their letter dated 21.04.2023. The reply is not in compliance to the conditions of original EC, except an undertaking. The original EC dated 24.12.2019 contains 63 conditions. The certified compliance report furnished by MoEF & CC, IRO, Bhubaneswar vide their file no. 109-1083/22/EPE after inspecting the site on 06.05.2022 shows that out of 63 EC conditions, 13 no. are fully complied, 34 no. are partially complied, 11 no. are not complied and 5 no. are not applicable even after 03 years.

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Further, SEIAA, Odisha by email received a petition on 27.03.2023 from the villagers in the Malda G.P. mentioning that issued relating to FRA and development of the villages as per the agreement are yet to be complied with by the PP.

In view of this, the Authority **decided to reject the proposal** for enhancement in production of Iron ore from 0.3 MTPA to 0.7 MTPA.

Now the PP has submitted the fresh proposal for consideration

Decision of Authority: Approved

After detailed deliberation in the matter, the Authority decided to grant EC subjected to compliance of the following additional conditions:

- (i) The PP shall fully comply the general conditions no. 23 of EC letter as pointed out by IRO, Bhubaneswar i.e. plantation shall be raised in a 7.5m wide green belt in the safety zone around the mining lease, backfilled and reclaimed area, around water body, along the roads etc. by planting the native species in consultation with the local DFO/Agriculture Dept and as per CPCB guidelines. The density of the trees should be around 2500 plants per ha. Greenbelt shall be mandatorily developed all along the mine lease area in a phased manner and shall be completed within first years.
- (ii) The PP shall submit the date of financial closures and final approval of the project to IRO, Bhubaneswar.
- (iii) The PP shall carry out reclamation as per stipulated condition.
- (iv) The PP shall fully comply the general conditions no. 18 of EC letter as pointed out by IRO, Bhubaneswar i.e. implementation of rainwater harvesting measures on long term basis and implementation of conservation measures to augment ground water resource in the lease area in consultation with CGWB.
- (v) The PP shall open separate bank account for implementation of EMP and keep separate record on implementation of EMP year wise.

APPROVED BY


Member Secretary, SEIAA


Member, SEIAA


Chairman, SEIAA

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03.08.2023**



AGENDA NO.130.02

Proposal No.	SIA/OR/MIN/405240/2022
Date of application	02.05.2023
File No.	405240/813-MINB1/05-2023
Project Type	Proposal for ToR
Category	B1
Project/Activity including Schedule No.	I(a) Mining of minerals
Name of the Project	Proposal for grant of ToR for Nimapalli Stone Quarries Cluster (1,2,3,4,5 & 6) project, of Tahasildar Purushottampur is situated Near Village Nimapalli, Tahasil- Purushottampur District Ganjam, Odisha over an area of 72.971 acres or 29.528 hectares.
Name of the company/Organization	TAHASILDAR PURUSHOTTAMPUR
Location of Project	Village Nimapalli, Tahasil- Purushottampur District Ganjam
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 stone from Nimapalli Stone Quarries Cluster (1,2,3,4,5 & 6) project, of Tahasildar Purushottampur is situated Near Village Nimapalli, Tahasil- Purushottampur District Ganjam, Odisha over an area of 72.971 acres or 29.528 hectares.
 - (ii) The mining area is a part of Survey of India Toposheet No. 74A/15, and the lease area bounded by Latitude: 19°26'55.11" N to 19°27'80.58" N and Longitude: 84°53'35.24" E to 84°54'11.92" E.
 - (iii) The mining lease is an identified sairat source in the DSR. The Nimapalli Stone Quarries Cluster (1,2,3,4,5 & 6) sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Purushottampur to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
 - (iv) Documents submitted: -Form-1, DLC, 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. as Tahasildar is the applicant.
 - (vii) Distance from nearest sanctuary/ESZ- Lakahri Vally WLS-50.00 Km
 - (viii) Whether the lease area coming in DLC report-No, as certified by Tahasildar, Purushottampur vide letter no. nil dated 29.10.2022
 - (ix) Whether the lease area reflecting in DSR-Yes
 - (x) Method of mining-Semi-mechanized
 - (xi) Distance from nearest road bridge-6.50 km, RD road-0.60km, Village road-0.50 km
 - (xii) Whether it is part of cluster -Yes, 7 nos. of quarries coming under cluster and the details given below:

Sl. No.	Quarry Name	Khat a No.	Plot No.	Maximum produc	Geologic reserve	Mineabl e reserve	Area I Ha	Status of Quarry
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1.	Nimapalli-1 Stone Quarry	518	776	2700	61309	32572	1.0	Not mentioned
2.	Nimapalli-2 Stone Quarry		847	2295	98453	32720	1.012	Not mentioned
3.	Nimapalli-3 Stone Quarry		896	5031	712739	603715	4.046	Not mentioned
4.	Nimapalli-4 Stone Quarry		847	19584	1587508	1033868	5.665	Not mentioned
5.	Nimapalli-5 Stone Quarry		847	12717	2595732	2054148	5.665	Not mentioned
6.	Nimapalli-6 Stone Quarry		847	15300	2842049	2207131	5.665	Not mentioned
7.	Nimapalli-7 Stone Quarry		896	41580	2123764	1417200	6.475	Not mentioned
	Total			99207	1626445	1094103	29.52 8	

- (xiii) Date of approval of mining plan- the Joint Director of Geology, South Zone, Berhampur on 09.09.2022.
- (xiv) 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**
- (xv) Any deficiencies/omission have been noticed in the above documents-In the KML file it appears that habitation is located around 150 meter.

2. **Whether SEAC recommended the proposal** – The SEAC already recommend the specific ToR in its meeting held on 17.11.2020 and in this case the same decision will be applicable.

Decision Of Authority: Approved

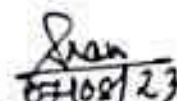
After detailed deliberation in the matter, the Authority decided to issue both standard and specific ToR applicable for stone quarry along with the following additional conditions:

- (i) The PP shall submit Certified Compliance Report of earlier EC conditions along with the Final EIA/EMP report.
- (ii) The PP shall submit DLC certified from DFO, Berhampur after verifying current status of the land whether it is coming under DLC/forest or not.


 Member Secretary, SEIAA

APPROVED BY

 Member, SEIAA


 Chairman, SEIAA

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AGENDA NO.130.03

Proposal No.	SIA/OR/MIN/416761/2023
Date of application	01.07.2023
File No.	416761/818-MINB1/07-2023
Project Type	Proposal for ToR
Category	B1
Project/Activity including Schedule No.	I(a) Mining of minerals
Name of the Project	Proposal for grant of ToR Rajgangpur Stone Quarry - I, III & IV (Cluster Approach) over an area of 7.546 ha. is located at Khata No. - 379, Plot No. 985/P, 1063/P, near Village - Rajgangpur, Tehsil - Rajgangpur, District - Sundargarh, Odisha
Name of the company/Organization	VISHESH KAPOOR
Location of Project	Village - Rajgangpur, Tehsil - Rajgangpur, District - Sundargarh, Odisha
ToR Date	N/A
Name of the Consultant	P & M Solution Pvt. Ltd.

Proposal in brief:

- I. 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 stone from Rajgangpur Stone Quarry - I, III & IV (Cluster Approach) over an area of 7.546 ha. is located at Khata No. - 379, Plot No. 985/P, 1063/P, near Village - Rajgangpur, Tehsil - Rajgangpur, District - Sundargarh, Odisha.
 - (ii) The mining area is a part of Survey of India Toposheet No. F45G12. and the lease area bounded by Latitude: 22°10'39.77" N to 22°10'38.80" N and Longitude: 84°35'22.87" E to 84°35'28.21" E.
 - (iii) The mining lease is an identified sairat source in the DSR. The Rajgangpur Stone Quarry - I, III & IV (Cluster Approach) sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Rajgangpur to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
 - (iv) Documents submitted: -Form-1, DLC, 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-Yes, of Rs. 1000/- vide e Challan Reference Id no. 3599246F3E dated 02.02.2023 and of Rs. 1000/- vide e Challan Reference Id no. 35B6DB1008 dated 01.07.2023
 - (vii) Distance from nearest sanctuary/ESZ- Lakahri Vally WLS-50.00 Km
 - (viii) Whether the lease area coming in DLC report-No, as certified by Tahasildar, Rajgangpur vide letter no. nil dated 29.10.2022
 - (ix) Whether the lease area reflecting in DSR-Yes
 - (x) Method of mining-Semi-mechanized
 - (xi) Distance from nearest road bridge-6.50 km, RD road-0.60km, Village road-0.50 km
 - (xii) Whether it is part of cluster -Yes, 7 nos. of quarries coming under cluster and the details given below:

Sl. No.	Quarry Name	Khat a No.	Plot No.	Maxim um produc	Geologic al reserve	Mineabl e reserve	Area I acres	Status of Quarry
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				tion/an num				
1.	Rajgangpur Stone Quarry - I	379	985/P	7290	1359455	868250	10.00	No bidder finalized
2.	Rajgangpur Stone Quarry - II	379	985/P				7.37	The source is extinct
3.	Rajgangpur Stone Quarry - III	379	985/P				4.00	Applied for ToR
4.	Rajgangpur Stone Quarry - IV	379	1063				4.65	Applied for ToR
	Total						26.02	

- (xiii) Date of approval of mining plan- the Deputy Director of Geology, Zonal Survey, Sambalpur on dated 28.08.2020
- (xiv) 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**
- (xv) Any deficiencies/omission have been noticed in the above documents-**Nil**

2. **Whether SEAC recommended the proposal – The SEAC already recommend the specific ToR in its meeting held on 17.11.2020 and in this case the same decision will be applicable.**

Decision Of Authority: Reject

The Authority observed that the google earth map for KML file reveals that there is Anganwadi School & Village within 100meters of the proposed lease boundary and the approved mining plan envisaged drilling and blasting which will be made in the mining lease area. After detailed deliberation in the matter, the Authority decided to reject the ToR application for not meeting the 'minimum distance criteria of 200meters' from quarry to habitation and building, road, river, canal, bridge etc. as per NGT Order in OA no.304 of 2019 & CPCB guidelines prescribed vide letter no. CPCB/IPC-II/NGT-OA 304 OF 2019/2020 in the matter.

APPROVED BY


Member Secretary, SEIAA


Member, SEIAA


Chairman, SEIAA

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03.08.2023**



AGENDA NO.130.04

Proposal No.	SLA/OR/MIN/432509/2023
Date of application	07.06.2023
File No.	432509/816-MINB1/06-2023
Project Type	New 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 Marjitapur Sand Quarry over an area of 12.50acres or 5.058 ha is located in village Marjitapur, Tahasil-Dharmasala in Jajpur district of Odisha.
Name of the company/Organization	Sri Jayanta Jena
Location of Project	Odisha
ToR Date	29.07.2022
Name of the Consultant	M/s Kalyani Laboratories PVT.LTD

Proposal in brief:

- (i) 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 sand from Marjitapur Sand Quarry over an area of 12.50acres or 5.058 ha is located in village Marjitapur, Tahasil- Dharmasala in Jajpur district of Odisha.
- (iii) The mining area is a part of Survey of India Toposheet No. F45U1, bounded by Latitude: 20°52'37.77"N to 20°52'45.21"N and longitudes: 86°02'58.22"E to 86°03'07.77"E.
- (iv) The mining lease is an identified sairat source in the DSR. The Marjitapur Sand Quarry sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Dharmasala to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- (v) Documents submitted: -Form-1, Form-2, PFR, EIA & EMP, checklist, and approval letter, 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. 2000/- submitted through e-Challan no. 335D2FC829 dt. 06.06.2022
- (viii) Distance from nearest sanctuary/ESZ- Kapilash WLS-22.00 km
- (ix) Whether the lease area coming in DLC report-N/A
- (x) Whether the lease area reflecting in DSR-Yes
- (xi) Method of mining-Manual
- (xii) River-Brahamani, Depth of Sand Deposition-1.0 meter
- (xiii) Distance from nearest **Railway bridge-0.33 km**, village road -0.75 km.
- (xiv) Whether it is part of cluster -No
- (xv) Whether EC obtained earlier-No
- (xvi) Date of approval of mining plan- the Deputy Director of Geology, Bhubaneswar on 25.04.2022.
- (xvii) Production capacity per annum-18974 cum/annum (max.), total production in 5 years period-94870 cum, Geological reserve-36065 cum and Mineable reserve-18974 cum.
- (xviii) As per mining plan the approved depth for mining-1.0 meter.
- (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 and 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)- No

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- (xx) The Terms of Reference (TOR) has been issued by SEIAA, Odisha vide Letter No. 4978/SEIAA on dated 29.07.2022.
- (xxi) **Public Hearing details:** The Public Hearing in respect of Environment Impact Assessment for Marjitapur Sand Quarry was conducted on 26.10.2022 at 11.00 A.M at Kalyana Mandap Marjitpur village in Jajpur District. The issues raised at the public hearing meeting are tree plantation along river bank, over exploitation of sand, erosion of the river bank and eventual flooding, road widening and repair, road safety and traffic, local employment, dust emission and sand pile up on the road due to transportation. In compliance to public hearing, the project proponent had submitted a time bound action plan and budget allocated is **4.55 Lakhs**.
- (xxii) The rail bridge is located at a distance of 330m from the lease boundary. As per sand guidelines 2020, the safety distance of mining lease area should be minimum 250m in the up stream and 500m in the down stream of the bridge/ public civil structure. In this regard, as the rail bridge is located at a distance of 330m from the lease area in the down stream, the Project proponent has suggested to carryout mining operation in the lease area leaving another 170m from P3& P4 boundary pillar.
- (xxiii) Replenishment Study Report - This is a new mines and the mining plan has been prepared based on the existing depth of sand reserve in the lease area. A proper replenishment study as per Sand guideline, 2020 has not been carried out. A survey for the sand quarry was conducted by volumetric survey method during month of May'2022 for pre-monsoon and during month of November'2022 as post-monsoon season. The reserve has been calculated based on volumetric method. While calculating the level of mine lease 100m up stream and 100m downstream level has been taken into consideration for finding initial level. The estimations were done with digging 4 numbers of trenches of 5m x 5m x 1m at the proposed zones of mining during pre monsoon season (as if the mining has happened for the last season) to see depth is filled up with sand after monsoon season, which was measured during last week of November. So it can be concluded the replenishment in the lease area is 100% with 1m of sand deposit.
- (xxiv) **Greenbelt/Plantation:** There is proposal for plantation along the river bank in both sides of lease area. The riverbank plantation will be carried out in the 1st year of mining operation. 500 nos. of saplings will be planted over an area of 250m from each side of the lease area with 3 m width.
- (xxv) **Manpower:** Total 31 Nos. (Out of which 1 no. is skilled, 2 nos. are semi-skilled and 27 nos are unskilled and 1 supervisor) of persons are required for the project.
- (xxvi) **Project cost:** Total cost of the project will be Rs. 15,00,000/- approximately.
- (xxvii) The proponent along with the consultant **M/s Kalyani Laboratories PVT.LTD,** Bhubaneswar, made a detailed presentation before the SEAC on 13.01.2023.
- (xxviii) Any deficiencies/omission have been noticed in the above documents- Nil
- a) **Whether SEAC recommended the proposal** – The proposal was placed in the SEAC meeting held on 27.03.2023 and the SEAC recommended the proposal for grant of EC with following specific conditions:
- b) 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. Therefore, keeping in view the span of railway bridge on upstream side of mining area, no mining shall be carried out upto 500 meters of the bridge.
- c) Regular replenishment study as per guidelines to be conducted and report to be submitted.
- d) Provision of Bio-toilet shall be made at the site.
- e) 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.

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- f) Stone patching with plantation in between along the stretch of the bank associated with sand mining and necessary ramp construction shall be made.
3. The proposal was placed 116th SEIAA meeting and the the Authority observed that the KML file of the lease area of Marjitapur Sand Quarry in Parivesh Portal shows more than 80% of the lease area within a distance of 500 meter from the nearby railway bridge.
- As per the para 4.3 (h) of MoEF & CC Enforcement & Monitoring Guidelines for Sand Mining 2020, 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.
 - No mining is possible within the no mining zone upto 500meters of the bridge (as per stipulated condition of SEAC).
 - After detailed deliberation in the matter, the Authority **decided to reject the proposal** as no mining is possible within the no mining zone upto 500meters of the bridge
4. Again the matter was placed in the 121st SEIAA meeting and the The Authority peruse the order dated 3005.2023 of the Hon'ble High Court of Orissa in W.P(C) No. 17614 of 2023 filed by the petitioner Sri Jayanta Kumar Jena vs sate of Odisha and others and with reference to refusal of EC for Marjitapur Sand Quarry over an area of 12.50acres or 5.058 ha is located in village Marjitapur, Tahasil-Dharmasala in Jajpur district of Odisha and Annexute-6 of the W.P(C). The Authority observed that since, the application has already been rejected in Parivesh Portal, the applicant/petitioner is required to file a fresh application form for any reconsideration. Accordingly, the PP applied fresh application for EC and the SEAC recommend the proposal with the same view as earlier.

Decision of Authority: Approved

The Authority observed that the mining lease area comes within 280 meters away from the nearest railway bridge. The MoEF & CC, Govt. 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 grant EC with usual stipulated conditions as applicable for sand quarry with specific condition as follows:

- The Tahasildar, Dharmasala shall obtain NOC from the Railway Authority before permitting sand mining.
- Maximum depth of mining 1.0 meter and maximum quantity of extraction shall be limited to **18974 cum** in 1st year and **4744 cum** in 2nd year. PP shall submit Annual rate of replenishment study (ARRS) report through ORSAC empanel agency by **March 2025**.
- 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 shall follow Enforcement & Monitoring Guideline for sand mining-2020 before and during operation of quarry.

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- (vi) The Project Proponent (lease holder) shall deposit Rs.2,50,000/-, with the respective District Environment Society for raising 500 plants (minimum @100 trees per Ha) of native species within 2 years in a suitable location adjoining to quarry.
- (vii) The PP will implement the EMP with a budgetary allocation of Rs. 3.00 Lakh/annum as proposed during the valid lease period of 5 years.
- (viii) The PP shall comply to the issues raised during public hearing. The PP will spend Rs. 4.55 Lakhs as proposed towards compliance of public hearing issues.

APPROVED BY


Member Secretary, SEIAA


Member, SEIAA


Chairman, SEIAA

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AGENDA No.130.05

Proposal No.	SIA/OR/MIN/406018/2022
Date of application	11.11.2022
File No.	406018/307-MINB1/11-2022
Project Type	Proposal for EC
Category	B1
Project/Activity including Schedule No.	I(a) Mining of minerals
Name of the Project	Proposal for grant of EC for Jakara Stone Quarry over an area of 33.591 acres or 13.594 Ha bearing Khata No. 28, 29, 30, 31, 32, 41, 42, 43, 44, 69 & 70 in the village Jakar, Tahasil-Polsara, Dist-Ganjam
Name of the company/Organization	Sri Sarathi Swain S/o-Govinda Swain At-nandighose Apartment, House no. 413, Goilundi, Berhampur, Dist-Ganjam
Location of Project	village Jakar, Tahasil-Polsara, Dist-Ganjam
ToR Date	27.12.2021
Name of the Consultant	M/s Atmos Sustainable Solutions Pvt. Ltd., Noida.

I. Proposal in brief:

- (i) 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 Jakara Stone Quarry over an area of 33.591 acres or 13.594 Ha bearing Khata No. 28, 29, 30, 31, 32, 41, 42, 43, 44, 69 & 70 in the village Jakar, Tahasil-Polsara, Dist-Ganjam.
- (iii) The mining area is a part of Survey of India Toposheet No. E45A9, E45A13, E45A10 & E45A14, and the lease area bounded by Latitude: 19°39'45.50"N to 19°39'53.70"N and 84°46'52.50"E to 84°47'19.20"E.
- (iv) The mining lease is an identified sairat source in the DSR. The Jakara Stone Quarry sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Polsara to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- (v) Documents submitted: -Form-1, DLC, 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
- (viii) Distance from nearest sanctuary/ESZ- Lakhari Valley WLS-60.0 Km
- (ix) Whether the lease area coming in DLC report-No, as certified by the Tahasildar, Polasara vide letter no. nil dated 04.10.2021
- (x) Whether the lease area reflecting in DSR-Yes
- (xi) Method of mining-Semi-mechanized
- (xii) Distance from nearest road bridge-2.30 km, village road -0.50 km, canal-0.03km, road-.010 km
- (xiii) Whether it is part of cluster -No
- (xiv) Whether EC obtained earlier-Yes, the PP Sri Kalu Charan Pradha has obtained EC from SEIAA vide letter no. 2147/SEIAA dated 28.10.2016 and due to some financial or personal problem the lease is not operated by earlier EC but now the lease is settle in favour of Sri Sarathi Swain through auction process.
- (xv) Date of approval of mining plan- Deputy Director of Geology, Directorate of Geology, Bhubaneswar on dated 20.11.2018

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- (xvi) Production capacity per annum-3240 cum/annum (max.), total production in 5 years period-14400 cum, Geological reserve-1660500 cum and Mineable reserve-1282500 cum and proposed depth of mining-1.5 m
- (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) **TOR details:** The Terms of Reference (TORs) was issued by SEIAA vide letter no.-3661/SEIAA dated 27.12.2021.
- (xix) **Public hearing details:** The public hearing has been conducted on 07.09.2022 at plot no 7020, khata no 1690, adjacent to gram panchayat office, Jakara Polasara tehsil of District Ganjam, Odisha under the supervision of Addl. District Magistrate, Ganjam. Issues raised are local employment, drilling, blasting & transportation should not be carried out during night hours, control blasting to avoid damages of nearby houses, dust emission, deployment of local vehicles in mine, development works in village, concurrent back filling of mined out area with over burden along with plantation. About **Rs. 1.0 lakh/annum** has been allocated as CER budget.
- (xx) EMP budget provision of Rs. 11,10,000/- (Capital Cost) and Rs. 4,70,000/- (Recurring cost). Budget for occupational health is 1,50,000 per year.
- (xxi) Any deficiencies/omission have been noticed in the above documents-Not submitted earlier EC copy and its compliance, RD road and canal are closed to the lease area.

- 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: -
- a) Haulage road shall be developed and maintained perennially and perpetually by the proponent in consultation with the concerned authority of the Govt.
- b) The project proponent shall maintain periodic health check-up records of their employees and ensure use of face mask by workers in crushing and handling sections of the decorative stone quarry for ensuring that working personnel are not affected by silicosis.

Decision Of Authority: ADS

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

- (i) The PP is required to submit certified compliance report of earlier EC conditions through Tahasildar, Polosara.

APPROVED BY


Member Secretary, SEIAA


Member, SEIAA


Chairman, SEIAA

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AGENDA NO.130.06

Proposal No.	SIA/OR/MIN/404298/2022
Date of application	10.01.2023
File No.	404298/99-MINBI/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 Jakara Decorative Stone Quarry over an area of 56.03 acres or 22.675 ha located at Village- Jakara, Tahasil-Rayagada, Dist- Gajapati, Odisha
Name of the company/Organization	TEJASWINI GRANITES M Jagdiswar Rao (MD) At/Po-Akusinghi, Rayagada Dist-Gajapati, Pin-765025
Location of Project	village Jakar, Tahasil-Polsara, Dist-Ganjam
ToR Date	15.03.2022
Name of the Consultant	M/s Centre for Envotech and Management Consultancy Pvt. Ltd, Bhubaneswar

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.

1. This proposal is for environmental clearance of Jakara decorative stone quarry project over an area of 22.675 ha. or 56.03 acre located at Village- Jakara, Tahasil- Rayagada, Dist- Gajapati, Odisha of Sri M Jagdiswar Rao.
2. **Category:** As per the EIA notification 2006 and its subsequent amendment, proposed project falls under category B of schedule- 1(a) Mining of minerals.
3. Prospecting License was granted vide proceedings no. MII(d)-132/07- 5690/DM, dated 08.07.2015, and Letter of Intent (LOI) was granted vide letter no.7610/SM, Bhubaneswar, dated 04.10.2019.
4. Modified Checklist of Minor Minerals is approved by Mining Officer on 06.12.2021 and Survey Report on Minor Minerals is submitted by Mining Officer to Collector, Gajapati vide letter no. 991/Mines, dated 17.11.2021.
5. District Survey Report on minor minerals submitted by Mining Officer to Collector, Gajapati vide letter no. 991/Mines, dated 17.11.2021
6. Mining Plan was approved by Directorate of Mines vide letter no. MXXII- (a)-3/2020-7826/DM., Dated. 09.11.2020.
7. As per the record of revenue the precise area applied for Decorative stone comes under Abada Ajogya Anabadi category and is of Parbat KISSAM. There is no forest land involved in the mine lease area.
8. **Terms of Reference:** Terms of Reference (TOR) has been prescribed by SEIAA vide letter no. 4222/SEIAA on dated 15.03.2022.
9. **Public hearing details:** Public hearing was conducted on 12.09.2022 at Gram Panchayat Office, Kerandi under Rayagada Panchayat Samiti in Gajapati district. The major issues raised during the public hearing are dust suppression measures, protection of environment, peripheral development of the village, road maintenance & development, plantation, employment, provision of ambulance facility, skill development training to local youth, insurance benefit to workers. As per the demands, the project proponent has committed to provide ambulance, insurance benefit to workers, skill development training to local youth, road maintenance & development, protect environment, etc. **Rs 13 lakhs will be spent under CER** for various socio-economic activities, in 4 years' time.
10. **Location:** Jakara Decorative Stone Deposit of M/s Tejeswini Granites, over an area of 56.03 Acres or 22.675 Hectares is located in village Jakara under Rayagada Tahasil of Gajapati District in Odisha.

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The proposed lease area is bounded by latitude N18° 51' 49.5" – N18° 52' 09.4" and longitude E84° 20' 00.0" – E84° 22' 25.5" & it is a part of the area covered in the Survey of India Toposheet No E45G5. Lease area comes under Abada Ajogya Anabadi category and of Parbat KISSAM.

- 11. Topography:** The lease area of Jakara Decorative Stone Deposit comes under a hill range. The maximum altitude is 190 mRL and the lowest altitude is 165 mRL. The overall slope of the hill is towards SE to NW side of the area. There is no forest land within the lease area. No ecologically sensitive area such as National Park/Wildlife Sanctuary/Biosphere Reserve/Tiger Reserve/Elephant Reserve etc. is found in the core and buffer zone of the proposed study area.
- 12. Drainage:** There is neither any seasonal nor any perennial nala flowing within the lease area. The drainage pattern of the area is dendritic. Surface run-off water of the area is drained through the natural slopes/ nearby Nala. There is no river / major nala within the 10 km radius study area. There are some reservoir, ponds and seasonal nala located within the study area. A seasonal nala is flowing near Gopalasahi at 1.47 Km in NE direction.
- 13.** This is a fresh mining project and decorative stone will be produced @ 7000 CuM / Annum.
- 14. Land use:** The study area covers around 31415ha., mainly comprises of forest (62.7 %), agriculture land (19.01%) and water bodies (0.02%). The balance 18.27 % of the total area covers residential area, mining, rocky and waste land etc.

Table: Land use

Sl. No	Pattern of Utilization	Area put on use at the start of the Plan period	Area required during the Plan Period	Net considered area for calculation
		(Area in Hectares)		
i)	Mining Including Haul Road	0.00053	1.886	1.886
ii)	Over Burden /Waste Dump	-	1.207	1.207
iii)	Mineral storage	-	0.04	0.04
iv)	Infrastructure (workshop, administrative, Building, etc.)	-	0.018	0.018
v)	Roads	0.01	0.05	0.06
vi)	Railways	-	-	-
vii)	Safety Zone/Greenbelt	-	1.458	1.458
viii)	Sub-Total	0.0105	4.659	4.669
ix)	Area Un-disturbed	22.664	18.016	18.006
Grand Total:		22.675	22.675	22.675

15. Reserves and life of mine: Total geological & mineable reserve are estimated as 26.69,186.20 m³ and 1854311 m³ respectively. The life of the mine will be about 260 years.

16. Mining method and annual production: Opencast semi-mechanized method will be adopted using machineries such as excavator, line offset, compressor, jack-hammer, wire ropes and drill rod etc. in single shift involving drilling and cutting without blasting. Ultimate pit slope at the time of closure of mine will be around 45°.

Year	Volume of Rock Zone	Volume of Recoverable Decorative Stone	Volume of Khanda	Volume of waste
	(m ³)	(m ³)	(m ³)	(m ³)
1 st Year	35000.00	7000.00	3500.00	24500.00
2 nd Year	35000.00	7000.00	3500.00	24500.00

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3 rd Year	35000.00	7000.00	3500.00	24500.00
4 th Year	35000.00	7000.00	3500.00	24500.00
5 th Year	35000.00	7000.00	3500.00	24500.00
Total	175000.00	35000.00	17500.00	122500.00

17. **Waste generation:** A total of 1,22,500 m³ of waste to be generated during plan period. The generated waste will be dumped with an average height of 5 m having five terraces. About 40% of the generated waste will be utilized for maintenance and construction of the haul road, approach and existing roads in the surrounding areas periodically. The waste generated during the conceptual period will be back filled over an area of 4.669 hectares up-to 168m RL. The wastes are proposed to be stacked maintaining the overall slope at less than 28° and to be sequentially graded, compacted and levelled. Retaining wall of 153 metre and garland drain of 160 metre will be erected around the dumping yard to arrest the washing off loose sediments.
18. **Water requirement:** About 1.1 KLD of water will be utilized for drinking, dust suppression and plantation purposes. This water will be met from nearby villages.
19. No mines water will be discharged into any seasonal /perennial nala near the leasehold. 153m long retaining walls will be built all around the waste dumps, which will have weep holes for passage of storm water to join garland drains. 160m long Garland drains shall be constructed as much as possible around waste dump (depending on contours) and it will be connected to 12m X 12m X 2m size settling pond. Sanitary sewage generated in office area shall be treated in septic tank & soak pit. Silt generated from cutting faces shall be collected in 10m X 12m X 1m size settling pond & supplied to brick makers, cement industries, etc.
20. **Power requirement:** No electrical power shall be required for operations in mine. 225 KVA DG set will be used for office and lighting purpose.
21. **Baseline study:** Study period is summer season (December 2021 to February 2022)-
22. **Greenbelt:** Green belt will be developed in the safety zone. In the plan period, 0.1386 ha. will be planted with 510 nos. of saplings. Besides these, roadside plantation will be done with adequate number of saplings.
23. **Manpower:** A total of 30 nos. of persons (managerial & supervisory personnel – 03, Skilled- 14, Semi-skilled- 06 & Unskilled- 07) will be engaged in the mines
24. **Project cost:** The estimated cost of the project is Rs.3 Crore. The cost earmarked for environmental control measures is 90,0000/- per annum.
25. **Environment Consultant:** The Environment consultant M/s Centre for Envotech and Management Consultancy Pvt. Ltd, Bhubaneswar along with the proponent made a presentation on the proposal before the Committee.
26. The SEAC in its meeting held on dated 14-02-2023 decided to take 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:
27. Any deficiencies/omission have been noticed in the above documents- This is a new source included in the DSR and still the DSR is not finalized.
3. **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:-
- Haulage road shall be developed and maintained perennially and perpetually by the proponent in consultation with the concerned authority of the Govt.
 - The project proponent shall maintain periodic health check-up records of their employees and ensure use of face mask by workers in crushing and handling sections of the decorative stone quarry for ensuring that working personnel are not affected by silicosis.

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- c) Since after lease is granted by the concerned Authority, the Project Proponent will get permission from office of the Concerned DFO for cutting of trees. Therefore, the permission letter from concerned DFO for tree cutting shall be submitted to SEIAA/SEAC before start of mining operation (as proposed).

Decision Of Authority: ADS

The Authority observed that in Known Your Approval (KYA) of the KML file under Parivesh shows that the lease area as forest land whereas in the application the same area is mentioned as non-forest land based on a letter dated 16.01.2009 of DFO, Paralakhemundi.

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

- (i) The PP is required to submit a certificate from DFO, Paralakhemundi stating that current status of the land is coming under DLC/forest or not.
(ii) The PP is also required to submit the approved DSR by Competent Authority.


Member Secretary, SEIAA

APPROVED BY


Member, SEIAA


07/08/23
Chairman, SEIAA

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AGENDA NO.130.07

Proposal No.	SIA/OR/MIN/415872/2023
Date of application	25.01.2023
File No.	415872/786-MINBI/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.

I. 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
- (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.

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Name Of The Lease Cluster	Year	Surface Area m ²	Thickness 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 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.

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- (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.

Decision Of Authority: ADS

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, Govt. 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.

APPROVED BY


Member Secretary, SEIAA


Member, SEIAA


03.08.23
Chairman, SEIAA

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AGENDA NO.130.08

Proposal No.	SIA/OR/MIN/82579/2022
Date of application	21.08.2022
File No.	82579/295-MINB1/08-2022
Project Type	Proposal for ToR
Category	B1
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for ToR for Chandania Stone Quarries Cluster over an area of 75.742 acres or 30.651 hectares in mouza Chandania Hill, Tahasil Kukudakhandi in District Kukudakhandi, State Odisha submitted under cluster approach with total cluster area 30.651 Hectares with consisting of 5 stone quarries
Name of the company/Organization	Tahasildar Kukudakhandi
Location of Project	Mouza Chandania Hill, Tahasil Kukudakhandi in District Kukudakhandi, State Odisha
ToR Date	N/A
Name of the Consultant	M/s P and M Solution, Noida

- 1. 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.
 - The proposal was considered by the committee to determine the "Terms of Reference (ToR)" for undertaking detailed EIA study for the purpose of obtaining environmental clearance in accordance with the provisions of the EIA Notification, 2006 and amendment thereafter.
 - 2. Category:** This proposal falls under Category "B1", 1(a) - Mining of Minerals as the Mining lease area is more than 5.0 Ha. as per the EIA notification 2006 and its subsequent amendments
 - Chandania Stone quarries cluster is mining of stone, over an area of 75.742acre or 30.651ha. in Mouza Chandania hill, Tahasil Kukudakhandi in district Ganjam, State Odisha of Tahasildar Kukudakhandi.
 - The Quarry leases will be granted to successful Bidders by the Tahasildar, Kukudakhandi after obtaining statutory clearances. Presently, Tahasildar, Kukudakhandi is the lessee for the Chandania Stone quarries cluster.
 - The total Cluster is consisting of 9 stone quarries but 4 stone quarries are in operational stage and their EC has not expired, hence the proposed cluster is confined to 5 Stone Quarries only as per the given table.

Sl no.	Quarry name
i)	Chandania Stone Quarry Plot no. 86, (4.245 Ha)
ii)	Chandania Stone Quarry Plot no. 83, (4.785 Ha)
iii)	Chandania Stone Quarry Plot no. 08,10,02,25 & 5/307, (12.516 Ha)
iv)	Chandania Stone Quarry Plot no. 22 &33, (4.654 Ha)
v)	Chandania Stone Quarry Plot no. 40.P, (4.451 Ha)
Total	

- Mining plans has been approved by the Deputy Directorate of Geology, O/o Joint Director of Geology, South Zone, Berhampur.

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7. Mining lease is an identified sairat source in the DSR - page no. 88, 89, sl.no. 150,151,153, 154, 156. These sairat sources are existing. There are no other mines within 500m of proposed Cluster. The sairat sources are not coming in DLC report as certified by Tahasildar, Kukudakhandi.
8. **Location:** The proposed Chandania Stone Quarries Cluster is located in Khata no. 117, Plot no. 86, 83, 08,10,02,25 & 5/307, 40/P & 22, 33 of kissam "Parbat, Pathrabani, Patita" in Mouza Chandania Hill, Tahasil- Kukudakhandi, District Ganjam, Odisha over an area of 75.742acre or 30.651ha. The geo coordinates are Latitude -19°19'15.24"N to 19°19'39.98"N and Longitude -84°43'55.21"E to 84°44'51.22"E. The area falls in Survey of India Topo sheet no. 74A/11(E45A11).
9. **Connectivity:** The quarry area is accessible by all weather & well-connected by road and rail. The nearest Railway line is at Berhampur Railway Station at a distance of 6.50km in SE. Nearest National Highway is NH-59 is at a distance of 2.70km in SE. Nearest State Highway is SH-17 at a distance of 1.90km in NE. Nearest river embankment is at Bodalundi. Road bridge on Ghodahada River at a distance of 15.00km in NW. Nearest Sanctuary is Lakhari valley wildlife sanctuary at a distance of 36.00km in NW. Nearest reserve forest is Ramagurha Reserve Forest is at a distance of 3.50km in NW. Nearest Archaeological site is Asoka rock Edict at Jaugada Pandia at a distance of 24.00km in NE.
10. No ecologically sensitive areas such as wildlife sanctuary, Bioreserve, etc. are coming under 10km radius of the proposed lease area.
11. **Reserves** - The total Geological reserve of cluster area is 5623207cum and Mineable reserve is 4099499cum.
12. **Mining method and production:** The method of mining is opencast semi-mechanized mining method. Around 8397cum per month will be dispatched from the mine. The total production annually is 75573cum of stone and 342340cum is the total production from the cluster during the plan period. The excavated stone will be directly sent to the nearest stone crusher for crushing.
13. **Waste generation and management** - During plan period 41985cum of waste will be generated from the total cluster area. Considering swell factor as 1.2 the total broken volume will be 50382cum. For dumping these waste materials a proposed dump has been suggested in the SE part of quarry area covering an area of 0.7Ha. Around 40% of waste will be utilized in the development mine haulage road. A retaining wall around the dump will be constructed to prevent the wash off of dumps. Around the retaining wall a garland drain and settling tank will be provided to prevent the possible transportation of mine dust or fines.
14. **Drainage** - The surface runoff water from the quarry will be discharged directly to the river channel. There is no possibility of ground water puncture during the plan period.
15. **Water requirement:** The total water requirement will be approx. 16KLD for the cluster for different purposes like Domestic(1.39KLD), Dust suppression(14.58KLD), plantation purposes(0.46KLD). Water will be resourced from the nearby village through tankers.
16. **Power requirement:** No electricity required at quarry site. Only diesel is used for operating mining equipment only. For which 4 KL of HSD will be used and sourced from local market.
17. **Manpower:** Around 139 nos. of person are to be employed. Indirect employment through creation of hired vehicles, etc also can be generated to full fill the day to day requirements of the mining personals.
18. **Green belt** shall be developed along the boundary of stone quarry area with the native tree species. Around 1150 saplings will be planted over an area of 0.550 ha in the safety zone. Species likely to be planted are Chakunda, neem etc. as per the availability. Spacing between the saplings will be kept 2.5 meters x 2.5 meters only.
19. **Project cost:** The approximate cost of the project comes around ` 2.0 Crores (cluster) and ` 4.0 lakhs for CER.
20. **Environment Consultancy:** The proponent along with the consultant M/s P & M Solution, Noida made a detailed presentation before the SEAC on 29.11.2022. The SEAC decided to take decision on the proposal after receipt of certain information / documents from the proponent.
21. The proponent has furnished the compliance and the SEAC verified the same as follows:

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Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of SEAC												
i)	There are total 9 quarries in cluster approach. Out of which 4 quarries with total lease area 4.785 ha. are in operation after obtaining EC from DEIAA, Ganjam. The DEIAA had the power to grant EC for total lease area of ≤ 5 ha. in cluster approach. Clarification shall be submitted how DEIAA has given EC for 4 quarries only when there are another 5 quarries of total lease area 30.651 ha. in cluster.	The cluster consisting of 9 quarries but the total 9 applications were not submitted in DEIAA at a time as a result the EC were granted in different Letter. The details is given below: <table border="1"> <tr> <td>Chandania S.Q (7.5 Acres)</td> <td>Cluster granted</td> <td>EC vide letter no. 421 Dated 04.07.2018</td> </tr> <tr> <td>Chandania S.Q (8.930 Acres)</td> <td></td> <td></td> </tr> <tr> <td>Chandania S.Q (7.40 Acres)</td> <td></td> <td></td> </tr> <tr> <td>Chandania S.Q (4.855 Acres)</td> <td>Individual granted</td> <td>EC vide letter no. 409 Dated 04.07.2018</td> </tr> </table>	Chandania S.Q (7.5 Acres)	Cluster granted	EC vide letter no. 421 Dated 04.07.2018	Chandania S.Q (8.930 Acres)			Chandania S.Q (7.40 Acres)			Chandania S.Q (4.855 Acres)	Individual granted	EC vide letter no. 409 Dated 04.07.2018	They have applied for EC for individual quarry just to avoid cluster approach. Hence, these 4 quarries should be part of the cluster for which EC has been applied. They need to include these 4 quarries in cluster approach and submit revised EMP in cluster approach for 9 quarries.
Chandania S.Q (7.5 Acres)	Cluster granted	EC vide letter no. 421 Dated 04.07.2018													
Chandania S.Q (8.930 Acres)															
Chandania S.Q (7.40 Acres)															
Chandania S.Q (4.855 Acres)	Individual granted	EC vide letter no. 409 Dated 04.07.2018													
ii)	Distance between each quarry for 9 stone quarries in cluster.	Distance certificate is attached as Annexure -I	The distance as mentioned in the Annexure is confusing. They need to submit a map indicating distance between 9 stone quarries in cluster.												
iii)	Detailed safety procedure for fly-rocks during blasting.	Attached as Annexure-II	-----												
iv)	Traffic study details of the area.	Attached as Annexure-III	-----												
v)	Re-submit the KML data file with boundary co-ordinations of each quarry and boundary demarcation of each quarry in yellow colour.	Google map submitted	-----												
vi)	Copy of Environmental Clearance of each individual quarry operating in a cluster of 4 quarries.	EC Copies of all 4 quarries are attached	-----												
vii)	Certified copy of compliance to conditions of EC, CTE and CTO of operational 4 stone quarries.	Full compliance report along the all 4 EC copy and CTO Copy is attached.	-----												

22. The SEAC in its meeting held on dated **20-02-2023** decided to take decision on the proposal after receipt of the following information / documents from the proponent. The proponent has furnished the compliance and the SEAC verified the same as follows:

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03.08.2023**

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of SEAC
1.	Environmental Clearance has applied to DEIAA, Ganjam for 4 stone quarries individually just to avoid cluster approach. Hence, these 4 quarries shall be part of the cluster for which EC has been applied. They shall include these 4 quarries in cluster approach and submit revised EMP in cluster approach for 9 quarries.	The revised EMP will be prepared in cluster approach for 9 quarries which will be submitted during submission of Draft Environmental Impact Assessment Report at OSPCB.	To be added as specific condition.
2.	The distance as mentioned in the Annexure-I is confusing. They shall submit google map with boundary co-ordinations of each quarry and boundary demarcation of each quarry in yellow colour for 9 stone quarries in cluster approach and also mentioning the distance between each quarry.	Google map indicating all 9 stone quarries and the distance criteria between each quarries is attached herewith. The boundary co-ordinates of each quarries are mentioned in the kml file, (prepared by the NABET accredited agency) which is e-mailed. (Prepared by the technical experts of the NABET accredited agency)	Submitted

Considering the information / documents furnished by the proponent and presentation made by the consultant **M/s P and M Solution, Noida**, the SEAC prescribed the following specific ToRs in addition to standard ToRs in cluster approach as per **Annexure – A** for conducting detailed EIA study.

- i. Installation of STP of adequate capacity and requisite design.
- ii. The revised EMP will be prepared in cluster approach for 9 quarries which will be submitted during submission of Final Environmental Impact Assessment Report at SEIAA.
- iii. Traffic study duly vetted by reputed institution.
- iv. Green belt in safety zone of each mine and all-round the clusters to be confirmed with details.
- v. Arrangement of pipeline sprinkling (permanent water line) to be explored and confirmed.
- vi. Silt management and SoP for the same to arrest /remedy of silt ingress to surrounding agricultural lands.
- vii. Kisam of land to be submitted.
- viii. Safety measures during blasting including provision of warning to be submitted.
- ix. Certificate from concerned, DFO that cluster is not within any notified forest area.
- x. Site photographs along with the consultant.
- xi. Access road for transportation of mined products from each of the 9 stone quarries, space for storing mined wasted products as well as mined mineral products along with drainage system of rainwater (surface run off) for each of the nine queries to be shown in a common layout map certified by the RQP as per the approved mining plan.
- xii. RL of water table in the mineral stone quarry zone comprising of all the nine quarries during summer and rainy season to be provided along with the RL of the surface post mining as per the approved mining plan.
- xiii. The stone quarries in the cluster for which District Environmental Impact Assessment Authority (DEIAA) has already granted EC earlier shall be included in the proposed cluster area for re-appraisal as per OM F. No. IA3-22/11/2023-IA.III (E-208230), dtd. 28.04.2023 of MoEF & CC, Govt. of India.

1. Any deficiencies/omission have been noticed in the above documents- Nil

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 ToR with the above conditions.

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Decision Of Authority: ADS

The Authority observed that the PP has submitted application on 21.08.2022 under old Parivesh Portal as a result the KML file is not accessible in the current Parivesh 2.0 portal. After detailed deliberation in the matter, the Authority decided to return the ToR application and ask the PP to submit ToR application under Parivesh 2.0 portal afresh along with KML file as per MoEF & CC guidelines.

APPROVED BY


Member Secretary, SEIAA


Member, SEIAA


Chairman, SEIAA

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AGENDA NO.130.09

Proposal No.	SIA/OR/MIN/405355/2022
Date of application	05.11.2022
File No.	405355/305-MINB1/11-2022
Project Type	Proposal for EC
Category	B1
Project/Activity including Schedule No.	I(a) Mining of minerals
Name of the Project	Proposal for grant of EC for Basulei sand Quarry is a sand mining project in Brahmani River over an area of 50.01 acre or 20.24ha. located in Village- Basulei, Tahasil - Parajang, Dist.- Dhenkanal in favour of the Tahasildar, Parajang.
Name of the company/Organization	TAHSILDAR PARJANG
Location of Project	Village- Basulei, Tahasil - Parajang, Dist.-Dhenkanal in favour of the Tahasildar, Parajang
ToR Date	28.09.2021
Name of the Consultant	M/S Right Source Industrial Pvt.Ltd

Proposal in brief:

- (i) 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 sand from Basulei sand Quarry is a sand mining project in Brahmani River over an area of 50.01 acre or 20.24ha. located in Village- Basulei, Tahasil - Parajang, Dist.- Dhenkanal.
- (iii) The mining area is a part of Survey of India Toposheet No. F45B4, and the lease area bounded by Latitude: 21°00'56.48" N to 21°01'17.17" N and Longitude: 85°13'28.90" E to 85°13'42.68" E.
- (iv) The mining lease is an identified sairat source in the DSR. The Basulei sand Quarry sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Parajang to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- (v) Documents submitted: -Form-1, 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-No, as Tahasildar is the applicant
- (viii) Distance from nearest sanctuary/ESZ- Kapilash WLS-69.0 Km
- (ix) Whether the lease area coming in DLC report-No,
- (x) Whether the lease area reflecting in DSR-Yes
- (xi) Method of mining-Manual
- (xii) River-Brahmani, Depth of sand deposition-3.0 meter
- (xiii) Distance from nearest road bridge-1.96 km, village road -0.63 km,
- (xiv) Whether it is part of cluster -No
- (xv) Whether EC obtained earlier-Yes, and submitted earlier EC compliance
- (xvi) Date of approval of mining plan- the Joint Director of Geology, South Zone, Dhenkanal on 28.04.2021.
- (xvii) Production capacity per annum-15000 cum/annum (max.), total production in 5 years period-75000 cum, Geological reserve-6,07,170 cum and Mineable reserve-56,587 cum and proposed depth of mining-1.5 m

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- (xviii) Whether the DSR has been prepared as per the MoEF& CC, Govt. of India Notification S.O. 3611(F) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020- **No**
- (xix) **Terms of Reference (TOR)** - The ToR application submitted to SEIAA, Odisha on 27 August, 2021 with proposal No. SIA/OR/MIN/66827/2021. ToR was issued by SEIAA with No.3013/SEIAA, SIA/OR/MIN/66827/2021, Dt. 28.09.2021 and F.No. 66827/147-MINB/08-2021, Dt. 13.11.2021.
- (xx) **Public hearing details:** Public Hearing was conducted on 05.08.2022 at 11.00 AM at Basulei Choupadhi Pala Mandapa, Mouza- Basulei (Khata No. 418, Plot No. 2149, Kissam-Gramya Rasta, Area Ac.0.11 in Dhenkanal District. News Paper advertisement was given about the sand mining at Basulei on The Times of India and Dharitri on 01.07.2022. Issues raised during public hearing were regarding dust suppression and water pollution control, afforestation programme, local employment opportunities, provision for repair and maintenance of village roads, strict adherence of Sand mining guidelines, supply of sand of the locals with reasonable price/free of cost and speed restriction during school timing etc. Budget allocated for public hearing issues is Rs. 6.9lakhs.
- (xxi) **Replenishment study Report** - As per the replenishment study, Movable area is 188625 Sq.m. Pre-Monsoon and Post-Monsoon Standard Elevation are 70.50 and 70.57 respectively. Difference in Elevation is 0.07. Estimated Annual replenishment Volume is 13204 m³ or 21126.4 Tones. However, the Movable Reserve as per approved Mining Plan is 565875 m³ at highest mRL. 69.0. The Annual proposed production is 15000 cubic meters. Since the mining is not done yet, if we will take the data during mining plan preparation and post- monsoon period data collection, there is a remarkable change of elevation is 1.57 meter. Estimated Replenishment reserve is **296141.25 m³**. Based on pre-monsoon and post-monsoon volumes found, the sand deposit will be 5,65,875 + 2,96,141 = 8,62,016 cum
- (xxii) The proposed site was visited by Sub-Committee of SEAC on dated 17.06.2023 and following observations as mentioned below:
- PP, Representative of Tahasildar, Parajang and Consultant were present along with other team members. The Mine is on Brahmani River bed and there are no ongoing mining activities.
 - The area was shown by the representative of Tahasildar. The area has plenty of sand and stretched along the river.
 - The mining area has two approach roads: One through Govt land and another through private land both on the same side. The Tahasildar representative opined to use Govt. land road. The road connects to the canal road and then the main road. Hardly any traffic observed. In case the PP wants to use private road, necessary legal document to be made before use (Condition)
 - There is a small patch of stagnant water near the government approach road and there is no channel or flow of water. However, at the other end of query there is flow of water which would not block mining activity.
 - The proponent needs to maintain the haulage road (Condition).
 - Transportation and mining of sand to be carried out without disturbing water body/channel. If required permission of irrigation department to be taken (Condition).
 - No bridge or high-tension line is nearby.
 - Replenishment study to be continued pre (after mining) and post monsoon to find the level of sand replenished (condition)
- (xxiii) EMP budget provision of 2.5lakhs and recurring cost is Rs. 6lakhs **and** Budget allocated for public hearing issues is Rs. 6.9lakhs.
- (xxiv) Any deficiencies/omission have been noticed in the above documents-Not submitted earlier EC copy and its compliance

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- 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**.
 - Sand extraction shall be limited to quantity (13204cum) and thickness as per Replenishment Study Report. 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.
 - The mining area has two approach roads: One through Govt land and another through private land both on the same side. The Tahasildar representative opined to use Govt. land road. The road connects to the canal road and then the main road. Hardly any traffic observed. In case the PP wants to use private road, necessary legal document to be made before use.
 - The proponent shall maintain the haulage road.
 - Transportation and mining of sand to be carried out without disturbing water body/channel. If required permission of irrigation department to be taken.
 - Replenishment study to be continued pre (after mining) and post monsoon to find the level of sand replenished.

Decision Of Authority: ADS

The Authority observed that the KML file in google earth map shows sand mining activities adjacent to the applied lease area.

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

- The Tahasildar,Parjang is required to submit a report on the incidence of sand mining adjoining to the applied area.
- The PP is required to submit certified compliance report on the conditions of the previous EC from Tahasildar,Parjang.

APPROVED BY


Member Secretary, SEIAA


Member, SEIAA


Chairmah, SEIAA