

**PROCEEDINGS OF THE MEETING OF STATE LEVEL EXPERT APPRAISAL
COMMITTEE, ODISHA HELD ON 06TH & 07TH MARCH, 2024**

The SEAC meetings held on 06th & 07th March, 2024 at 04:00PM through Video Conferencing (VC) in Google Meet under the Chairmanship of Sri Sashi Paul. The following members were present in the meeting.

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|-------------------------------|---|-----------------------|
| 1. Sri Sashi Paul | - | Chairman (through VC) |
| 2. Dr. K. Murugesan | - | Member Secretary |
| 3. Dr. Rabi Narayan Patra | - | Member (through VC) |
| 4. Dr. Chittaranjan Panda | - | Member (through VC) |
| 5. Prof. (Dr.) H.B. Sahu | - | Member (through VC) |
| 6. Prof. (Dr.) Abanti Sahoo | - | Member (through VC) |
| 7. Er. Fakir Mohan Panigrahi | - | Member (through VC) |
| 8. Prof. (Dr.) B.K. Satapathy | - | Member (through VC) |
| 9. Dr. K.C.S Panigrahi | - | Member (through VC) |
| 10. Shri Jayant Kumar Das | - | Member (through VC) |
| 11. Dr. Ashok Kumar Sahu | - | Member (through VC) |
| 12. Er. Kumud Ranjan Acharya | - | Member (through VC) |

Draft proceedings of the meeting was finalized by the members through e-mail and also final proceedings of the meeting was confirmed by the members through e-mail. The agenda-wise proceedings and recommendations of the committee are detailed below.

A. CONSIDERATION OF MINOR MINERAL PROPOSALS (NEW) – 12 Nos.

The committee verified 12 nos. of minor mineral proposals forwarded by the SEIAA, Odisha. The case-wise proceedings and observations of the committee are detailed in Table as per **Annexure – A**. The proposals of following categories are examined:

Total no. of proposals	Type of proposals	No. of proposal	Decisions of the committee
12	Stone Quarries and other (10)	02	Clarification to be sought from the concerned Tahasildar.
		06	The SEAC considered the proposals as B2 category and recommended for Environmental Clearance.
		02	SEAC recommended to reject EC for the proposal.
	River Sand (02)	02	SEAC recommended to reject EC for the proposal.

B. CONSIDERATION OF MINOR MINERAL PROPOSALS (COMPLIANCE RECEIVED)– 11 Nos.

The committee verified 11 nos. of minor mineral proposals (compliance received). The case-wise proceedings and observations of the committee are detailed in Table as per **Annexure – B**. The proposals of following categories are examined:

Total no. of proposals	Type of proposals	No. of proposal	Decisions of the committee
11	Stone Quarries and other (06)	06	The SEAC considered the proposals as B2 category and recommended for Environmental Clearance.
	River Sand (05)	04	The SEAC considered the proposals as B2 category and recommended for Environmental Clearance.
		01	SEAC recommended to reject EC for the proposal.

**C. CONSIDERATION OF MODIFICATION OF EC PROPOSALS (COMPLIANCE RECEIVED)
– 04 Nos.**

The recommendation of SEAC for modification of Environmental Clearance for 04 minor mineral proposals is as per Annexure - C.

D. CONSIDERATION OF NEW (COUNTRY LIQUOR) PROPOSAL RECEIVED – 01 Nos:

The recommendation of SEAC for Environmental Clearance for 08 country liquor proposal is given at Annexure- D.

**E. RE - CONSIDERATION OF CATEGORY B1 & B2 PROPOSALS RETURNED FROM SEIAA
– 03Nos.:**

ITEM NO. 01

SIA/OR/MIN/296522/2023

PROPOSAL FOR AMENDMENT ENVIRONMENTAL CLEARANCE OF SHIRSA RUGUDISAHI SAND BED OVER AN AREA OF 12.35 ACRES OR 5.00 HECTARES IN VILLAGE SHIRSA UNDER SARASKANA TAHASIL IN MAYURBHANJ DISTRICT OF SRI JAYPRAKASH KHANDELWAL – MOD EC

1. This proposal is for environmental clearance of Shirsa Rugudisahi Sand Bed over an area of 12.35 acres or 5.00 hectares in village Shirsa under Saraskana Tahasil in Mayurbhanj District of Sri Jayprakash Khandelwal – Mod EC.
2. **Category:** The project is categorized in Category-B2 of Schedule under item 1(a)-Mining of Minerals in the EIA notification, 2006 and its subsequent amendments.
3. The proposal was placed in SEAC meeting held on 27.03. 2023. After detailed discussion, the SEAC decided to recommend the extraction of sand equal to replenished volume as per study i.e., 1703.59cum/year subject to outcome of further replenishment studies.
4. The proposal was placed in 114th SEIAA meeting held on 21.04.2023 and after detailed deliberation; the Authority observed that the replenishment study shows negative replenishment or meagre replenishment of sand. In the past few such reports have been referred to ORSAC for their opinion. Pending receipt of comments/ opinion from ORSAC, the present proposal is deferred.
5. Then proposal was placed in 120th SEIAA meeting held on 24.05.2023 and after detailed deliberation the authority decided that the matter was discussed with ORSAC on 04.05.2023 and it was suggested that the volume of sand replenished should be computed by calculating

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the replenishment quantity per hectare of workable area and then arrived at the total replenishment quantity in the mineable area proportionately. The PP is required to revised the calculation method and submit the final replenished quantity as per ARRS study for further consideration.

6. Now, the PP submitted the ADS reply on 06.11.2023 with mentioned that quantity of sand replenished 1340.14 cum and proposed production is 1340.14 cum.
7. Again, the proposal was placed in 146th SEIAA meeting held on 11.12. 2023. The authority perused the revised ARRS report submitted by the PP and decided that a joint verification be carried out by the Department of Mining, Geology and Revenue with respect to permissible quantity as per ARSS for sustainable sand mining. Accordingly, ADS was by SEIAA on 16.12.2023 and now the Mining Officer, Baripada has submitted their reply vide letter no. 31 dt. 25.01.2024 and uploaded it in Parivesh portal on 02.02.2024 with attaching report of joint field verification with mentioned that 90,288 cum of sand available in the said sand bed and proposed production is 40,000 cum but the revised ARRS report submitted by the PP reveals that only 1340.14 cum sand replenished in the sand bed and proposed production is 6000 cum for next year. Whereas the SEAC recommended earlier that extraction of sand equal to replenished volume as per study i.e. 1703.59 cum/year subject to outcome of further replenishment studies.
8. After detailed deliberation in the matter, the Authority decided that the proposal may be referred back to SEAC for their considered views.
9. The SEAC has gone through the revised replenishment study report and have following details in the report:
 - i) Pre and post monsoon surveys have been carried out in June (08.06.2022) and November (20.11.2022) months respectively in the year 2022.
 - ii) Photogrammetry drone survey method has been used to arrive at the difference in elevations of the riverbed sand during the survey periods using Digital elevation model / Surface terrain model.
 - iii) The replenished volume of sand has been reported to be 1340.14cum.

The SEAC decided to recommend the proposal for 1340.14 cum sand as per actual replenishment quantity.

ITEM NO. 02

SIA/OR/MIN/296522/2023

PROPOSAL OF ENVIRONMENTAL CLEARANCE OF BAITARANI SAND BED MINE ON BAITARANI RIVER OVER AN AREA OF 5.058 HA/12.50 ACRE IN VILLAGE TAMPO, UNDER GHASIPURA TAHASIL OF KEONJHAR DISTRICT OF SRI HRUSHIKESH JENA - EC

1. This proposal is for environmental clearance of Baitarani Sand Bed Mine on Baitarani River over an area of 5.058 Ha/12.50 Acre in village Tampo, under Ghasipura Tahasil of Keonjhar District of Sri Hrushikesh Jena – EC.
2. **Category:** The project is categorized in Category-B1 of Schedule under item 1(a)-Mining of Minerals in the EIA notification, 2006 and its subsequent amendments.

3. The quarry lease has been granted by the Tahasildar, Ghasipura vide letter no.676 on dated 17.03.2020 to the applicant (successful bidder) for excavation of minor mineral (River Sand) for five years.
4. The Tahasildar of Ghasipura Tahasil vide letter no. 5740 issued on dated 28.12.2020 while submitting relevant documents of EC application to SEIAA, Odisha further communicated that Sri Hrushikesh Jena of Jena Minerals Pvt. Ltd., Saroi, Haridaspur of Jajpur Dist. is the successful bidder of the said sairat source.
5. The mining plan has been approved by the Deputy Director of Geology, Cuttack, Odisha vide memo no. 676 on dated 17.03.2020.
6. Terms of Reference (TOR) details: Terms of Reference (TOR) was issued by Ministry of Environment, Forest and Climate change vide file no: 59407/55-MINB1/12-2020 on dated 28.02.2021.
7. Public hearing Details: The Public Hearing in respect of Environment Impact Assessment for Baitarani Sand Bed Mine of M/s Jena Minerals Pvt. Ltd. on river Baitarani over an area of 5.058 ha. in village Tampo under the Ghasipur Tahasil of Keonjhar District, Odisha was conducted on 12.05.2022 at 11.00 A.M at Village Tampo (Near Tampo Baitarani Bridge) (Khata No.218 (Rakhita), Plot No.556, Kissam-Gochara, Area-Ac.32.15) in Keonjhar District. Issues raised are local employment, dust pollution, water sprinkling arrangements, tarpaulin cover on sand loaded vehicles, plantations, increase of traffic management & road transportation. Total expenses to be incurred for public hearing action plan is 6.60 lakhs.
8. Location and connectivity: The proposed river bed sand mining will be carried out on Baitarani River located at village: Tampo, under Tahasil: Ghasipura, DistKeonjhar, Odisha & the lease area is 5.058 ha. or 12.50 acre bearing Khata No.-221, Plot No.705, 706, Kisam: Nadi. The project is located in survey of India toposheet no. E45O4 & E45O8 between latitude of 21° 07'52.44"N to 21° 08'11.57"N and longitudes of 86° 10'56.05"E to 86° 11'21.81"E. The site is well connected to NH-215& SH-53 at a distance of 6.9 Km & 7 Km. Nearest airport is Bhubaneswar airport at a distance of 105 Km from the mining lease area. Nearest Railway station is Korai Railway Station at a distance of 16 Km from the project site. The nearest road is Batto road located at a distance of 0.6 Km.
9. Topography: The Baitarani sand bed deposit represents a gently sloping to almost flat terrain with the highest elevation is 29.5mRL & lowest elevation is 27 mRL in sand. The lease area belongs to recent quaternary riverbed deposits consisting of sand, silt, clay, gravel and alluvial deposits. The sand in the lease area is a weathering product of the nearby metamorphic rocks and has been transported by 1st and 2nd order nala which ultimately gets deposited in the main nala/river bed during the rainy season.
10. Drainage: The drainage of the district is mainly controlled by rivers like Baitarani, Kangira, Ardei, Khairibandhan, Kanjhari, Sita, Kusei, Salandi etc. During rainy season, the river water carries sand which is formed due to disintegration of rock bodies along with other suspensions.
11. Reserves: Total geological reserves and mineable reserves is 50588 Cum and 29844 Cum respectively.
12. Mining method and production details: In the applied bed lease area, the sand will be extracted by manual mining method. Handpicks, Spade, hand shovel will be used by manual

labourers for extracting & loading of sand. The sand will be loaded into tippers/tractors having capacity 4Cu.m/2.5 Cu.m for loading & dispatched as per requirement. The extraction of sand will be carried out up to the limit of maximum 1.5m depth or the water table whichever less is. The total excavated material is sellable as no waste will be generated from the mining process. There is no provision of dumping within the quarry. Only 20 trucks and tippers will be utilized for transportation of sand. At the proposed rate of annual production, total excavated sand would be maximum of 25545Cu.m during the proposed plan period. The project intend to excavate maximum sand of 5223 Cu.m per year and total 25545 Cu.m within 5 year plan period from the lease area. During plan period the mined-out land will be 2.578 ha. The safety zone to be maintained at 7.5 metre width all along the quarry which will be 0.401 ha. and water body, which will cover 2.079 ha.

Financial Year	Minerals	Surface Area in (Sq. m)	Thickness of sand (m)	Volume of sand in (Cu. m)
1 st Year	Sand	3422	1.5	5133
2 nd Year		3430	1.5	5145
3 rd Year		3344	1.5	5016
4 th Year		3352	1.5	5028
5 th Year		3482	1.5	5223
Total				25545

13. **Water requirement:** For drinking & domestic purpose, water requirement will be 2 KLD while water requirement for green belt development and dust suppression will be 1 KLD. So total water requirement for this proposed project is 3KLD.

14. **Fuel requirement:** Tipper & Dumper will be used for transportation. The approximate quantity of the fuel/Diesel used per day is 100Lit/day.

15. **Baseline study:**

PERIOD	October to December 2020	Applicable Standards
AAQ PARAMETERS AT 7 LOCATIONS	PM _{2.5} – 16.7 to 27.2 µg/cu.m	60 µg/cu.m
	PM ₁₀ – 17.1 to 41.7 µg/cu.m	100 µg/cu.m
	SO ₂ – 5.2 to 9.9 µg/cu.m	80 µg/cu.m
	Nox – 10.3 to 22.1 µg/cu.m	80 µg/cu.m
Ground water Quality at 6 Location	pH – 6.9 to 7.3	6.5 to 8.5
	Total Hardness – 52 – 192 mg/l	600 mg/l
	Chloride - 9.6 to 124.6 mg/l	250 mg/l
	Fluorides – 0.15 to 0.81 mg/l	1.5 mg/l
	TDS – 110 - 470 mg/l	1000 mg/l
	Heavy metals (Cd < 0.001, As < 0.001, Hg < 0.0005) mg/l	Heavy metals (Cd <0.003, As <0.01, Hg<0.001) mg/l
Surface water at 4	pH – 7.1 to 7.8	

PERIOD	October to December 2020	Applicable Standards
locations	Dissolved Oxygen – 5.5 to 6.0 mg/l	
	Biochemical Oxygen Demand – 2 to 5 mg/l	
	Chemical Oxygen demand – 12 to 25 mg/l	
Noise at 8 locations	Day (dBA Leq) 32.4 to 45.6	55
	Night (dBA Leq) - 25.6 to 35.6	45
Soil Quality at 3 locations	pH – 5.20 to 7.4, Potassium – 202.9 to 1828 Kg/ Ha, Phosphorous – 166 to 603 Kg/ Ha, Nitrogen – 188 – 276 Kg/Ha, Electrical Conductivity- 117 to 1050 ms/Cm	

16. **Greenbelt:** There is proposal for plantation along the riverbank to protect the riverbank erosion in consultation with the forest department. Approximately 250 saplings is proposed to be planted during the 1st year of mining operation.
17. **Employment generation:** Due to the proposed sand mining, there will be generation of employment for 14 persons out of which, 04 skilled, 04 Semiskilled, 6 nos are unskilled.
18. **Project Cost:** Total cost of the proposed project is 10lakhs. The EMP cost proposed for the project will be 4.0 Lakh per annum.
19. **Environment Consultant:** The Environment consultant M/s Kalyani Laboratories Pvt. Ltd. Bhubaneswar, along with the proponent made a presentation on the proposal before the Committee on 14.02.2023.
20. 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:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of SEAC
	NOC/permission from concerned authority for usage and maintenance of Panchayat Road.	NOC for using Panchayat Road duly endorsed by BDO of Ghasipura Block attached as Annexure – I.	Request letter to BDO, Ghasipura Block by PP has been submitted.
	Precautionary measures to be taken for movement of vehicles in school area for safety of students.	I. Sand will be transported in early morning time to avoid traffic. II. The maximum speed of the sand transportation vehicle's is 10km/hr in school area. III. A mine worker is present with the driver of vehicle at the time of sand Transportation.	-
	Distance from bridge and other sand mines.	I. As per certified cluster certificate issued by The Tahasildar of Ghasipura Tahasil of Keonjhar District there is no other mines located within the 500meter of the project area. (Annexure – II) II. As per certified distance certificate by Tahasildar the	-

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Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of SEAC
		distance of the river bridge is 550 meter from the lease area. (Annexure –III)	
	Conduct replenishment study in pre monsoon and post monsoon and submit the report	Necessary replenishment study report is attached as Annexure – IV.	Replenishment study Report submitted. Pre-monsoon data collected on 04.09.2022 and post monsoon on 29.04.2023. Replenishment of sand – 19706.4cum.

21. The SEAC in its meeting held on 11-07-2023 opined that pre-monsoon study during September is not acceptable and recommended that the proposal to be considered for grant of EC after the proponent submit fresh replenishment study as per guidelines.

22. The Project Proponent has submitted a Pre-Monsoon Replenishment Study Report conducted on dated 12-05-2023 as mentioned in report.

23. The Committee observed and recommended the following:

- i) The lessee indicated in the compliance furnished that they have conducted Pre-Monsoon Study on dated 04-09-2023. Post monsoon study of 29-04-2023 cannot be considered for undertaking mining. Hence, replenishment study report is rejected.
- ii) The Project Proponent has submitted a Pre-Monsoon Replenishment Study Report conducted on dated 12-05-2023 as mentioned in report.
- iii) The replenishment study report is prepared by My World Consultancy Private Ltd., Cuttack and the company is empanelled by ORSAC to carry out drone survey vide office order dated 16.10.2023. Pre-monsoon survey by drone / UAV using photogrammetry method has been carried out on 12th May 2023. Approximately 60% of the ML area was reported to be submerged in water at the time of survey.

Parameters	Baitarani sand quarries	Remarks
Mining lease (ML) area (Ha)	5.058	Surveyed area is significantly higher than ML area.
Surveyed area (Ha)	21.6735	
Pre monsoon standard elevation RL (m)	The reported readings are in the range 20.94 to 27.17	All RL reports are by digital elevation model (DEM) that is generated by using software.
Post monsoon average standard elevation RL (m)	Post monsoon period survey not carried out. Survey done only for pre-monsoon period.	
Replenished level (m)	Not reported	
Number of points in ML area reported for RL measurement	59	
Minimum measurement error	(- 15 m + 15 m)	Error of measurements is high.
Maximum measurement	(- 15 m + 15 m)	

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24. The proposal was placed in SEAC meeting held on 11.09. 2023. After detailed discussion, the SEAC decided that in view of unsatisfactory revised replenishment report, this proposal is not accepted and it is recommended to return the proposal to SEIAA to take further action.
25. The proposal was placed in 143rd SEIAA meeting held on 23.11.2023 & 24.11.2023. The Authority perused in the matter and accepted the SEAC recommendation to reject the proposal as the replenishment study is not done as per MoEF & CC Guideline and unsatisfactory. The project proponent is required to submit fresh ARRS report through ORSAC empaneled agency for further consideration of the proposal.
26. Now, the PP has submitted revised ARRS report on 01.02.2024 through Parivesh Portal without any covering letter.
27. After detailed deliberation on the matter, the authority decided to referred back the case to SEAC for reconsideration.
28. The SEAC has gone through the revised replenishment study report.

After detailed discussion, the SEAC decided to reject the proposal as the revised Replenishment Study Report was found not satisfactory.

ITEM NO. 03

SIA/OR/MIN/452275/2023

PROPOSAL OF ENVIRONMENTAL CLEARANCE FOR UDEYPUR MAHANADI SAND BED OVER AN AREA OF 5.00 HA HAVING KHATA NO.179, PLOT NO. 1282 IN VILLAGE UDEYPUR UNDER KISHANNAGAR TAHASIL OF CUTTACK DISTRICT OF SRI SAROJ KUMAR MOHANTY - EC

1. This is a proposal for mining of sand from Udeypur Mahanadi Sand Bed over an area of 5.00 Ha having Khata No.179, Plot No. 1282 in village Udeypur under Kishannagar Tahasil of Cuttack District, Odisha.
2. The mining area is a part of Survey of India Toposheet No. 73L/3 and is bounded between the Latitude - N20°24'13.7"to 20°24'23.1"N and Longitude – E86°08'24.9" to 86°08'36.1"E
3. The mining lease is an identified sairat source in the DSR. The Udeypur Mahanadi Sand Bed sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Kishannagar to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
4. All Documents submitted: -Form-1, PFR, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, topo map etc.
5. Method of mining-Manual
6. River-Mahanadi, Depth of sand deposition-1.0 meter
7. Distance from nearest road bridge-6.0 km, village road -0.50 km
8. Whether EC obtained earlier-Yes from SEIAA vide letter no. 8721/SEIAA dt. 17.08.2020 for extraction sand from the sand bed of quantity 3100 cum in 0.4 meter depth of mining subject to submission of ARRS report after one year from date of issue of EC.

9. Date of approval of Modified mining plan- the Deputy Director Geology, Directorate of Geology, BBSR vide letter no. 267 dt. 13.01.2021
10. Production capacity per annum-20000 cum/annum (max.) with depth of mining 0.6 meter, total production in 5 years period-100000 cum, Geological reserve-43032 cum and Mineable reserve-36230 cum
11. 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
12. The EMP budget provision of Rs. 2.0 Lakh/annum
13. Any deficiencies/omission have been noticed in the above documents- This is a proposal for increasing production capacity from 3100 cum/annum to 20000 cum/annum for which the PP has submitted fresh EC application. Quarry operated 1st year but modified mining plan prepared for another 5 years again. The SEAC has no opinion on ARRS report submitted by PP.
14. The proposal was placed in SEAC meeting held on 28th,29th & 30th December 2023 and the SEAC recommended to grant EC valid from the date of EC accorded upto the lease period with specific conditions stipulated for sand mine with following additional conditions.
- 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.
 - In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured.
 - The boundary area of the deposit as per the updated DSR defined by geo coordinates based on DGPS survey be superimposed on the cadastral map.
 - Plantation programme to be completed within first two years and to be maintained in remaining years.
 - The Project proponent shall follow Sustainable Sand Mining Guidelines, 2020.
 - The proponent shall provide Bio- toilet for the workers.
 - Project Proponent shall not disturb the water course during mining.
15. However EC may be granted after submission of contour maps with legible figures as the maps submitted are not clear and levels and figures in contour maps are not visible.
16. The SEIAA observed that the proposal for increasing production capacity from 3100 cum/annum to 20000 cum/annum for which the PP has submitted fresh EC application. Quarry operated 1st year but modified mining plan prepared for another 5 years again. The SEAC has no opinion on ARRS report submitted by PP.
17. After detailed deliberation in the matter, the authority decided that the SEAC may give their opinion on ARRS report submitted by PP.
18. **The SEAC has gone through the revised replenishment study report and have following details in the report:**
- Pre and post monsoon surveys have been carried out in June (07.06.2023) and November (21.10.2023) months respectively in the year 2023.
 - Photogrammetry drone survey method has been used to arrive at the difference in elevations of the riverbed sand during the survey periods using Digital elevation model / Surface terrain model.

- iii) The Replenishment Study Report was found satisfactory. The replenished volume of sand has been calculated to be 26254.5816cum (i.e., 60% of available replenished volume of sand i.e., 43757.63606 cum)

The SEAC decided to recommend the proposal for 20000 cum sand based on replenishment study report.

F. CONSIDERATION OF CATEGORY B1 PROPOSAL (OLD PROPOSALS REJECTED DUE TO REPLENISHMENT STUDY REPORTS AND RE-APPLIED AGAIN - 02 Nos.)

ITEM NO. 01

PROPOSAL FOR ENVIRONMENTAL CLEARANCE OF PURUTIGUDA SAND QUARRY OVER AN AREA OF 13.688 ACRES OR 5.539 HA. HAVING KHATA NO.512, PLOT NO. 1285 IN VILLAGE PURUTIGUDA UNDER KASHINAGAR TAHASIL OF GAJAPATI DISTRICT OF SRI BANSIDHAR SWAIN - EC

1. This proposal is for Environmental Clearance of Purutiguda Sand Quarry over an area of 13.688 Acres or 5.539 Ha. having Khata No.512, Plot No. 1285 in village Purutiguda under Kashinagar Tahasil of Gajapati District of Sri Bansidhar Swain.
2. **Category:** The proposed mining project falls under Category 'B1' with project activity type "1(a)" -Mining of Minerals) as per Notification of MoEF & CC vide S.O. No. 3977(E), Appendix-XI dated the 14th August,2018 and EIA notification 2006 and amendment thereof of Ministry of Environment and Forests, New Delhi.
3. Quarry lease has been awarded to Sri Bansidhar Swain S/o-Jayadev Swain, by Tehsildar of Kashinagar for 5 years via letter no. 5440/ Sairat dated 09/11/2021.
4. Mining Plan with Progressive Mine Closure Plan has been approved by Deputy Director Geology O/o Joint Director Geology, South Zone, Berhampur, Odisha vide letter no. Memo no.-1051/SZ dated 31/10/2021.
5. **TOR details:** Terms of Reference (TORs) was granted by SEIAA vide letter no 4125/SEIAA dated 02/03/2022.
6. **Public hearing details:** Public hearing was held on 09.11.2022 at 11.00 AM in Grampanchayat Office, Khandava under Kashinagar tahasil in Gajapati district in reference to the proposed Purutiguda Sand Mine. Issues raised during public hearing hearing are sand mining from the river bed, safety and security in the lease area to avoid accidents, transportation of sand, control of noise during sand mining and sand transportation, dust suppression measure, protection of environment, road development, plantation, utilization of DMF fund for peripheral development of village.
7. **Location and connectivity:** Purutiguda Sand Quarry is a new proposed project located at Village: Purutiguda, Khata No. 522, Plot No. 1285, Tehsil: Kashinagar, District: Gajapati, Odisha. Total mining area is 5.539 ha bearing Khata No. 522, Plot No.1285 in SOI Toposheet No: 65N/13 bounded by Latitude N18°57'15.58"to 18°57'27.18"N and Longitude E83°49'26.59" to 83°49'33.20"E. The area is approachable by fair weather road. The applied area is about 150 km away from Visakhapatnam International Airport, Andhra Pradesh Airport. The nearest railway station is at Bansdhara Hault Railway Station 1.5 Km from the site. Nearest Bridge Banshadhara Bridge is 15 km, SE and nearest River Embankment is about 3 km, S and nearest railway bridge is 0.7Km from the project site. Nearest Reserve is Forest Vallarha Reserve Forest which is 2Km, W from the project site.

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8. **Baseline summary:** Baseline study of the study area was conducted during pre-monsoon from 1st March 2022 to 31st May 2022 for Purutiguda Sand Quarry.
- Air quality:** The concentrations of PM₁₀ and PM_{2.5} for all the 9 AAQM stations were found between 52.7 to 88.9 µg/m³ and 23.7 to 45.30 µg/m³ respectively. The concentrations of SO₂ and NOx were found to be in range of range of 7.90 to 15.10 µg/m³ and 11.20 to 27.2 µg/m³ respectively.
 - Noise study:** Ambient noise levels were measured at 9 locations around the Mine site. Noise levels varied from 44.4 dB (A) Leq to 54.8 Leq dB (A) during day time 36.1 (A) Leq to 44.6 Leq dB (A) during night time.
 - Ground water:** The ground water analysis for all the 8 sampling stations shows that pH varied from 7.29 to 7.49, total hardness varied from 260 mg/l to 520 mg/l & total dissolved solids varied from 153.4 mg/l to 242 mg/l. The water samples contain chloride 13.8 mg/l to 26.4 mg/L, Ca from 27.2 mg/l to 90.5 mg/l, Magnesium varies from 16.52 mg/l to 58.1 mg/l.
 - Soil analysis:** Samples collected from 8 identified soil locations indicate pH value ranging from 7.29-7.61. Organic Matter ranges from 0.25% -0.55% in the soil samples. Nitrogen is found to be in moderate amount as it ranges from 116 mg/kg- 161 mg/kg and Phosphorous in less amount i.e. from 32 mg/kg- 52 mg/kg, whereas the Potassium is found to be ranging from 115 mg/kg - 135 mg/kg.
9. **Replenishment Study:** UAV/Drone method was used to survey the area for Replenishment Survey. The calculated Mineable reserve of Post-Monsoon survey and the Mineable reserve in Pre-Monsoon are taken for comparing the amount of sand replenished. The sand deposited in the lease area in this monsoon season is exceeded by 43% i.e. 21652 CuM of the amount of sand in the Pre-Monsoon Replenishment Study report. So, the final mineable reserve of the lease area is said to be 50832 CuM.
10. **Total production and reserves:** It is proposed sand quarry mine having lease area of 5.539 ha with proposed production capacity of 50,000 m³ /year of sand (2,50,000 cum for 5 years). The geological reserve and mineable reserve of Purutiguda Sand quarry 66692 Cum and 57442 Cum respectively.
11. **Mining method:** Proposed method of mining would be opencast manual mine. Sand shall be exploited manually and loaded in Truck & Tractors. Ground water table would not be intersected by the proposed mining. Mining shall be carried out without adoption of drilling & blasting. The extracted sand shall be loaded into tractor trolleys manually & dispatched to various parties. Mined out material will be loaded into the dumpers manually and will be sent for commercial use as per the demand of the market. It will be transported by Covered trucks / dumpers to its final destination. No overburden or top soil will be generated as the area lies in river bed. The present level of the lease area is 65 mRL. During plan period, the quarry floor will be 63 mRL or up to water table whichever is less in Purutiguda Sand quarry.
12. **Water Requirement:** The total water requirement for the project estimated to be 25 KLD for mining, spraying, greenbelt development and domestic uses and will be sourced from the nearby available water source and drinking water will be sourced from tanker water.

S. No.	Particulars	Quantity (KLD)	Source
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i)	Dust Suppression (on haul roads etc)	5.0	Water will be sourced from nearest available source.
ii)	Green Belt Development/ Plantation	5.0	
iii)	Drinking/Domestic & Sanitation	15.0	
Total		25.0	

13. **Waste Water Management:** No liquid waste will be generated from mining activities. A small amount of domestic wastewater from office toilet will be discharged into the soak pits/septic tank.

14. **Greenbelt/ Plantation:** Greenbelt will be developed along haul road. Plantation will be done along haul road and in villages nearby. Native Species like Teak, Mango, Jammu, Jhaun, Neem etc. will be preferred for the plantation. 50 plants per year will be planted as per the plantation program.

Year	Number of saplings purposed	Location	Type of saplings
1st Year	50	Plantation is carried out safety zone of the lease area (river bank areas)	Teak, Mango, Jammu, Jhaun, Neem etc.
2nd Year	50		
3rd Year	50		
4th Year	50		
5th Year	50		
Total	250		

15. **Man power Requirement:** Total man power of 65 people will be required for the proposed project. Mine workers will be engaged from the nearby villages.

Designation	Number of persons (Purutiguda Sand Quarry)
Supervisory Personnel/ Statutory Personnel	5
Skilled laborers (Operator and Helper)	20
Semi-skilled Laborer	20
Unskilled Laborer	20
Total	65

16. **Project cost:** The total budget for Environment Monitoring Program for the proposed project is Rs. 30,000 per year. Corporate Environmental Responsibility (CER) budget includes a cost of 4 lakhs. Apart from the other expenses, Salary for labour and office staff will be kept around 2Lakh per annum and for documentation purposes around 2Lakhs per annum. Total project cost is Rs.25 lakhs. Capital Cost for EMP is Rs. 1,45,000. Recurring cost of EMP is Rs. 75,000 per annum.

S.no	Particulars	Capital Cost	Annual Recurring cost
i)	Pollution Control	55,000	20,000
ii)	Pollution Monitoring	25,000	10,000

S.no	Particulars	Capital Cost	Annual Recurring cost
iii)	Afforestation along Approach Road and maintenance of Approach Road	35,000	25,000
iv)	Occupational health and safety	30,000	20,000
	Total	1,45,000	75,000

17. **Environment Consultant:** The Environment consultant M/s Green Circle, Inc., Gujarat along with the proponent made a presentation on the proposal before the Committee on 23.06.2023.

18. The SEAC in its meeting held on dated 12.06.2023 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
i)	Revised replenishment study along with section wise details, reduced level, and summary.	Revised replenishment study along with section wise details, reduced level, and summary is attached.
ii)	Justification as per production plan how manual method of mining will be done.	Justification as per production plan is attached as an annexure- I.

19. The Committee observed and recommended the following:

- i) Two different methods are used for Pre and Post Monsoon study which are not comparable. Besides this following other discrepancies are noticed and hence, replenishment study report is rejected.
 - a) Date of second survey i.e. post monsoon survey as per previous report was 5.03.23 (Mentioned in table 7) but in the clarifications submitted it is 30.12.22.
 - b) As per 1st report Geological reserve is 31802cum and Movable reserve is 29180cum. However, in the clarification report submitted now Geological reserve has changed to 70710cum and Movable reserve has changed to 48466 cum (which is even higher than Geological reserve as per previous report.
 - c) In Clarifications submitted now in table 4 and table 5 for calculation of Geological Reserve and Movable Reserve 13 sections are shown However the depth of sand in these sections is shown varying from 25 meter to 43 meter which looks unrealistic.
 - d) In table 7 of clarification report submitted now 16 grid points are shown (though no corresponding graphical or pictorial representation is shown. As per this table RL is shown from 61.3 to 63.7 meter but in first report in second survey plain height is 58.5 meter.
 - e) In the first report as per second survey Geological reserve is 54738.312 cum and movable reserve is 50831.934 cum. However in the clarification report submitted now as per second survey the Geological reserve is 97338 cum and movable reserve is 71117 cum.
 - f) Proposed extractable sand as per first report was 21652 cum but as per clarification report submitted now it is 42668cum.
 - g) 16 grid points shown in table 7 and related pre and post monsoon RLs worked out and

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its average is not at all used for any of the calculations. Its relevance is not clear.

20. The SEAC in its meeting held on 31-07-2023 decided that in view of unsatisfactory revised replenishment study report, this proposal is not accepted and it is recommended to return the proposal to SEIAA to take further action.
21. The proposal no. SIA/OR/MIN/418074/2023 was rejected by SEIAA due to unsatisfactory revised replenishment study report.
22. Now, PP has submitted fresh proposal - SIA/OR/MIN/459798/2024 with fresh replenishment study report for the year 2023 taking pre monsoon on 23.07.2023 and post monsoon on 22.12.2023.
23. The SEAC observed the following:
 - i) Previous anomalies with respect to Geological reserve and Mineable reserve have been rectified as per the record of Mining Plan.
 - ii) Replenishment study has been conducted by drone method in both the cases; pre- and post-monsoon and pre- and post-monsoon timings are appropriate.
 - iii) Replenished volume calculation is erroneous.
i.e., Error: Mineable sand volume (57442 cum) has been multiplied wrongly with difference in elevation (0.9), giving rise to 51698 cum.
 - iv) Mineable area (28721 sqm) should be multiplied with difference in elevation (0.9). The result is 25848.9 cum instead of 51698 cum.

After detailed discussion, the SEAC decided to reject the proposal for the reason as pointed out at para 23 and PP shall submit revised replenishment study to consider the proposal.

ITEM NO. 02

PROPOSAL FOR ENVIRONMENTAL CLEARANCE FOR KRUSHNANDPUR PAIKA NADI SAND SAIRAT OVER AN AREA OF 12.65 ACRES OR 5.12 HECTARES UNDER TIRTOL TAHASIL OF JAGATSINGHPUR DISTRICT OF SRI DAMODAR MOHAPATRA - EC

1. This proposal is for Environmental Clearance of Krushnandpur Paika Nadi Sand Sairat over an area of 12.65 acres or 5.12 hectares under Tirtol/Tahasil of Jagatsinghpur District of Sri DamodarMohapatra.
2. **Category:** As per the EIA Notification 2006 and its subsequent amendment, proposed project falls in category B1 under Schedule of item 1(a)-Mining of Minerals.
3. The lease area of Paika Sand Bed over an area of 12.65 acres (5.12 ha.) is located in Village-Krushnandapur, Tahasil –Tirtol, in district Jagatsinghpur of Odisha. Sri Damodar Mohapatra is selected as successful bidder of the Sand Bed for a lease period of 5 (five) years from 2020-21 to 2024-25.
4. Letter of Intent has been issued by Tahasildar, Tirtol to Damodar Mohapatra vide letter no.472 dated 24.02.2021 for a period of five years.
5. The Mining plan has been approved for a period of five years i.e. 2020-21 to 2024-25 by The Deputy Director of Geology, Bhubaneswar. Vide letter no – 7958 DG, on dated 04.12.2020 in favour of Tahsildar, Tirtol. After approval the said lease has granted to Sri Damodar Mohapatra on 30.11.2020.

6. The District Survey Report for River Sand in respect of Jagatsinghpur district has been prepared in accordance with Appendix – x, Para – 7 (iii) (a) of S.O. No – 3611(E) dated 25.07.2018 of MoEF& CC, New Delhi and approved by Collector, Jagatsinghpur on dated 28.01.2020.
7. **TOR Details:** Terms of Reference (TOR) was granted by SEIAA, Odisha vide letter no 1503 dated 17.06.2021.
8. **Public hearing details:** The public hearing in respect of Environmental Impact Assessment for KrushnandapurPaikaNadi Sand Sairat of Sri DamodarMohapatra over an area of 5.12Ha. under TirtolTahasil in Jagatsinghpur district, Odisha was conducted on 27.04.2022 at 10.30 A.M at Paikakula playground of Krushnanadpur village in Jagatsinghpur District. Issues raised during Public hearing are employment generation, development of road, provision towards repair and maintenance of village tube wells in Krushnanandapur Village, provision of assistance to Krushnanandapur Primary School, pollution control measures including operation of water sprinkling system and plantation. Total expenses to be incurred for the action plan towards public hearing issues is Rs.7 lakhs.
9. **Location and connectivity:** The said lease is located in survey of India Topo Sheet No. 73 L/7 (F45U/3), bounded by Latitude: 21°21'49.70" to 21°21'57.00" N, Longitude: 86°15'24.10" to 86°15'34.70" E bearing Khata no 1743 and plot no 72/4147. The area over 5.12 ha is a non-forest Govt. land of Nadikissam, having ground elevation of 29 mRL. Lease area is accessible from Krushnandapur village at 0.50 km, which is well connected to Main roads and Highways. The nearest major railway station is Jhankadsarala Road at distance 6km from the lease area. Nearest National Highway is NH – 16 at a distance of 47 Km. Nearest road bridge and river embankment is 600 m and 450 m respectively.
10. There are no National parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Tiger/Elephant reserves (existing as well as proposed) present within 10 km of the applied mine lease area.
11. **Topography and drainage:** The sand bed is on the River Mahanadi. The KrushnandpurPaikaNadi Sand Sairat deposit represents a gently sloping to almost flat terrain with highest altitude of 29 mRL. The general slope is towards east. Vegetation is scanty with small bushes existing in the auction hold area. There is no human settlement within the area. The drainage of the district is mainly controlled by rivers like Mahanadi, Devi, Biluakhai&Paika. During rainy season the river water carries sand which is formed due to disintegration of rock bodies along with other suspensions. After recession of the water flow the sand gets deposited in the locations where there is less energy. The river Mahanadi flowing from west to east and forming the northern boundary of the district forms the main drainage system in the district. Besides the river Devi, a tributary to Kathajori and flowing north-northwest to south-southeast with a meandering course also forms a drainage system in the district.
12. **Baseline study:** The baseline information on micro-meteorological data, ambient air quality, water quality, noise levels and soil quality have been generated for the period of October to December 2021.

PERIOD	October to December 2021	Applicable Standards
AAQ PARAMETERS AT 7 LOCATIONS	PM2.5 – 18.9 to 33.6 µg/cu.m	60 µg/cu.m
	PM10 – 37.8 to 67.3 µg/cu.m	100 µg/cu.m

	SO ₂ – 5.7 to 10.8 µg/cu.m	80 µg/cu.m
	NO _x – 11.8 to 26.3 µg/cu.m	80 µg/cu.m
Ground water Quality at 6 Location	pH – 6.8 to 7.5	6.5 to 8.5
	Total Hardness – 80 to 92 mg/l	600 mg/l
	Chloride - 6 to 12 mg/l	250 mg/l
	Fluorides – 0.18 to 0.20 mg/l	1.5 mg/l
	TDS – 160 to 190 mg/l	1000 mg/l
	Heavy metals (Cd <0.001, As <0.01, Hg<0.0001) mg/l	Heavy metals (Cd <0.003, As <0.01, Hg<0.001) mg/l
Surface water at 4 locations	pH – 7.1 to 7.4	
	Dissolved Oxygen – 5.9 to 6.5 mg/l	
	Biochemical Oxygen Demand – 1.5 to 2.8 mg/l	
	Chemical Oxygen demand – 8 to 20 mg/l	
Noise at 7 locations	Day (dBA _{Leq}) 42.3 to 52.3	55
	Night (dBA _{Leq}) - 29.8 to 43.1	45
Soil Quality at 4 locations	pH – 6.95 to 7.3, Potassium – 64.5 to 94.1 Kg/ Ha, Phosphorous – 50 to 60.9 mg/ kg, Organic Carbon % - 0.28 to 0.39, Electrical Conductivity- 55 to 75 ms/Cm	

13. **Replenishment study:** Replenishment study for pre & post monsoon period on December'2020 and May'2021 using volumetric method as per Enforcement and Monitoring Guidelines for Sand Mining. 2020). The Geological Reserve of the Area is 43552 cum and Mineable Reserve of the Area is 33420 cum. Annual Production as per Mining Plan is 15360 cum. Sections considered is 10m x 10m (3 nos CS and 1 no LS). Elevation in Pre monsoon is 16mRL and Elevation in Post monsoon is 17mRL. Annual rate of Replenishment – 32760cum.
14. **Total production and reserves:** The lessee is going to work within the said area for 5 year from 2020-21 to 2024-25 with a maximum production of 15,360 cum per annum with a total production of 76,800 cum during plan period. As estimated, the geological reserve is 43,552 cum and Mineable Reserve is 33,420 cum.
15. **Mining method:** The method of excavation of sand from Krushnandapur Sand quarry will be manual open cast mining. The mode of the deposits, geomorphology of the area and its hydrological condition are some of the factors that favour the open cast method of mining. In this deposit, the mining is done by dry-pit method i.e., Sand will be excavated within the active channel on dry intermittent or ephemeral stream beds. The excavator is used for removal of sand from the pits. The sands are extracted, loaded, and transferred from pits to the users through trucks and tractors.
16. **Water requirement:** Total water requirement will be approx, 5 KLD for different purposes like domestic, dust suppression, plantation purposes. The water will be sourced by the lessee by tanker.
17. **Traffic study:** The V/C ratio on the Paika road connecting the Syphone Bridge which is connect to Tarapur Road is 0.240. However, with the commencement of mining activity

maximum 8 no. of trucks/tractor will carry sand from the lease area and 4 cycles for transportation of employees which will have additional PCU load of 11.4 per hour. So, with the additional PCU load due to mining operation the V/C ratio will remain as 0.249 with LoS B.

18. **Greenbelt:** It is proposed for planting 250 saplings of suitable species per annum by the lessee in vicinity of the riverbank as avenue plantation which will be undertaken in consultation with the concerned authority. There is the proposal for development of green belt towards both sides of the riverbank. The riverbank plantation will be carried out in the 1st year of mining operation.
19. **Manpower requirement:** 25 Nos. (Out of which 2 nos. are skilled, 4 nos. are semi-skilled and 15nos are unskilled) of persons are required as manpower for the proposed project.
20. **Project cost:** Estimated cost of the project is 80 lakhs. Budget for EMP cost is 3 lakhs.
21. **Environment Consultant:** The Environment consultant M/s Kalyani Laboratories Pvt Ltd (KLPL), Bhubaneswar along with the proponent made a presentation on the proposal before the Committee on dtd. 24.04.2023.
22. The SEAC in its meeting held on dated 24.04.2023 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)	How it has been concluded that the depth of sand deposit is 1 meter?	Depth of sand deposit has been taken 1m from the water course within the lease area was concluded from Replenishment study Report.	-
ii)	Exact length of the bridge.	Exact length of the bridge is 610 m from the lease area which is situated up stream side of the bridge.	-
iii)	Revised Replenishment Study Report using Drone method covering details of RL, cross sections taken, grid position etc.	Revised Replenishment study Report using Drone method for post monsoon is submitted herewith for your kind consideration.	The PP has stated in Replenishment Study Report that the quarry is not operational till now due to non grant of Environmental Clearance, hence it is studied that 21,120 m ³ extractable mineable reserve is available and has been calculated by considering 60% of mineable reserve as per the MOEF notification dated 25.07.2018, from the annual replenishment during the year 2022-23 and is sufficient for the production capacity

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Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of SEAC
			of 15,360 m ³ /annum.

23. The SEAC observed the following:

- a) Replenishment study Report is not satisfactory. For Pre Monsoon and Post Monsoon study different methods (Volumetric and drone respectively) are used which are not comparable. Actual replenished volume is also not calculated.
- b) In Replenishment study Report for pre & post monsoon period on December'2020 and May'2021" was carried out But the both the time periods as mentioned come under post-monsoon category.

24. The SEAC in its meeting dated 12-07-2023 decided to reject the proposal for the reason as pointed out at para 23 and PP shall submit revised replenishment study to consider the proposal.

25. The proposal was placed in the 133rd meeting of SEIAA held on 22.08.2023 & 24.08.2023 and the Authority perused the recommendation of SEAC & its decision taken in the 132nd meeting. After detailed deliberation in the matter, the Authority decided that the PP is required to submit the revised replenishment study report through ORSAC empanelled agency to consider the proposal.

26. Now the PP has submitted the necessary clarification for consideration.

27. The proposal was placed in the 138th Meeting of SEIAA, Odisha held on 10.10.2023 & 12.10.2023, the SEIAA decided to refer back the proposal to SEAC with a request to examine the revised replenishment study report submitted now by the PP and their considered view for issue of EC.

28. The SEAC has gone through the revised replenishment study report and have following details in the report:

- i) Pre-monsoon survey has been done in June 2022 using volumetric method and riverbed sand surface elevations have been recorded on a 30 m X 30 m grid.
- ii) Post-monsoon survey has been done on 14th May 2023 by photogrammetry method using drone. Digital elevation model / Surface terrain model was used for determining elevation on a 30m X 30m grid in computer and accordingly volume of sand available on the riverbed post-monsoon have been estimated.
- iii) The reported replenished volume of sand on the riverbed is the difference in volume of sand estimated in the safe workable area as determined by pre and post monsoon surveys using two different survey methods.
- iv) The approved mining plan has not excluded bending portion of the river channel or mining of riverbed sand.

29. The SEAC observed the following:

- (i) The Replenishment report submitted is in the same way as pointed out earlier. Two different methods are used for pre monsoon and post monsoon study. Pre monsoon study is done in June 2022 and post monsoon in May 2023. Both fall in pre monsoon period. Hence the clarification is not satisfactory.

- (ii) Dates of pre-monsoon and post-monsoon survey are not proper. The first survey was carried out in the month of June' 2022 for pre monsoon season. Post- monsoon Survey was carried out on 14.05.2023 after the monsoon before starting of mining operation.
- (iii) In Para 3.4 Year wise Production, the thickness and surface area are wrongly typed.
30. The SEAC in its meeting held on 01-12-2023 decided that, the SEAC reiterates its earlier recommendation, and SEIAA may take decision at their level in view of above observations
31. The proposal no. SIA/OR/MIN/62748/2021 was rejected by SEIAA on 05-02-2024 due to unsatisfactory revised replenishment study report.
32. Now, PP has submitted fresh proposal - SIA/OR/MIN/462570/2024 with new replenishment study report for the year 2023 taking pre monsoon on 14.05.2023 and post monsoon on 03.11.2023.
33. The SEAC has gone through the revised replenishment study report and observed the following :
- (i) All previous anomalies are rectified.
- (ii) Replenishment study has been conducted by drone method in both the cases; pre - and post-monsoon timings are appropriate.
- (iii) Replenished volume calculation is correct.

Considering the information furnished and the presentation made by the consultant, M/s Kalyani Laboratories Pvt Ltd (KLPL), Bhubaneswar along with the project proponent, the SEAC recommended for grant of Environmental Clearance for the proposal valid upto lease period with stipulated conditions as per **Annexure – G** and following specific conditions:

- a) 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 – H**.
- b) 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.
- c) Provision of Bio-toilet shall be made at the site.
- d) 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.
- e) Stone patching with plantation in between along the stretch of the bank associated with sand mining and necessary ramp construction shall be made.
- f) No natural water course shall be obstructed or diverted for the purpose of sand mining.
- g) As per Sand Sustainable Guidelines, 2020, the proponent shall ensure that no mining should be allowed below water level.



MEMBER SECRETARY, SEAC

TABLE**DECISION ON MINOR MINERAL PROJECTS WITH LEASE AREA LESS THAN 5 HA.
ON 06th & 07th March' 2024**

Sl. No.	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
1.	SIA/OR/ MIN/456 846/2023	Sri Himansu Nayak (Lessee) M/s Hatibeda Stone Quarry-II At: Ichhabatiguda, Nabarangapur(m), Dist: Nabarangapur, Pin-764059 Email: himansusekhar634@gmail.com	Nabarangapur	Stone	Proposal of Environmental Clearance for Hatibeda Stone Quarry-II over 0.45 hectare or 1.12 acres IN Village Hatibeda under Papadahandi Tahasil of Nabarangpur District of Sri Himansu Nayak - EC	5 Years	Nil (As per checklist)	1. Furnished filled in Form-I, pre-feasibility report and check list as endorsed / submitted by the Tahasildar. 2. Final DSR has been submitted. 3. Topo sheet indicating location of the mine has been furnished. 4. EMP has been submitted. 5. Mining Plan has been approved. 6. No forest land involved in lease area	NO	13273 (max)	The SEAC decided to take decision on the proposal after receipt of following information from the Mining Officer: 1. Maximum depth of void is 24 meters which appears to be much more than the maximum permissible limit. 2. Detailed note on mitigation

Proceedings of SEAC meeting (Minor Minerals) held on 6th & 7th March' 2024

Sl. No.	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
								<p>7. There is no protected areas i.e. National Park, Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Protected Monuments, Inter-State boundary and critically polluted area as identified by CPCB etc. located within 5 km radius of the mine lease area.</p> <p>8. There is no court case / litigation pending.</p> <p>9. The concerned Tahasildar has furnished DLC report. DLC report of concerned Tahasildar</p>			<p>measures for impact of blasting.</p> <p>3. Show clearly the Hatibeda I & III mine in the kml file and mention exact distance from Hatibeda II mine.</p> <p>4. Monsoon water is to be pumped out to nearby natural stream (as mentioned). Permission from appropriate authority should be submitted and water pollution mitigation measures to be undertaken shall</p>

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Environmental Scientist, SEAC

Sl. No.	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area.	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
								<p>reveals that the lease area is not included in the DLC list.</p> <p>10. The Tahasildar has furnished Cluster certificate. The Cluster certificate reveals that there is no other mine located within 500 meter from the boundary of the mine.</p>			<p>be mentioned in detail.</p> <p>5. Detailed note on waste disposal need to be submitted with clear disposal methods.</p> <p>6. Temporary dump management and mineral stack management to check water pollution.</p> <p>7. Measures to be taken to protect nearby agricultural fields, electric infrastructure and road infrastructure from probable</p>

Proceedings of SEAC meeting (Minor Minerals) held on 6th & 7th March' 2024

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
											adverse effects. 8. Air quality monitoring is to be monitored once in a year as per EMP. It should be monitored quarterly.
2.	SIA/OR/ MIN/452 570/2023	Sri Parameswar Rao and Sri J Srinivas (Lessee) M/s Maliguda Stone Quarry At/Po- Chidananda Street Dist.-Malkangiri Pin: 764048 Email: savitristonecrushermkg@gmail.co	Malkangiri	Stone	Proposal of Environmental Clearance for Maliguda Stone Quarry over an Area of 2.002 Acres or 0.810 Hectares in Village Maliguda under Chittrakonda Tahasil of Malkangiri District of Sri S Parameswar	3 months	Nil (As per checklist)	1. Furnished filled in Form-I, pre-feasibility report and check list as endorsed / submitted by the Tahasildar. 2. Final DSR has been submitted. 3. Topo sheet indicating location of the mine has been furnished. 4. EMP has been submitted. 5. Mining Plan has	NO	754	The SEAC decided to reject the proposal as the lease plan period is for 3 months only. Environment Clearance is granted to a proposal having a minimum lease period of 5 years.

Proceedings of SEAC meeting (Minor Minerals) held on 6th & 7th March' 2024

Jayak
Environmental Scientist, SEAC

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
		m			Rao and Sri J Srinivas - EC			<p>been approved.</p> <p>6. No forest land involved in lease area</p> <p>7. There is no protected areas i.e. National Park, Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Protected Monuments, Inter-State boundary and critically polluted area as identified by CPCB etc. located within 5 km radius of the mine lease area.</p> <p>8. There is no court case / litigation pending.</p> <p>9. The concerned Tahasildar has furnished DLC</p>			

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Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
								report. DLC report of concerned Tahasildar reveals that the lease area is not included in the DLC list. 10. The Tahasildar has furnished Cluster certificate. The Cluster certificate reveals that there is no other mine located within 500 meter from the boundary of the mine.			
3.	SIA/OR/ MIN/417 359/2023	Sri Bhakta Charan Patel (Lessee) M/s Ghasian Sand Quarry At-Pilatimahul,	Balangir	Sand	Proposal of Environmental Clearance for Ghasian Sand Quarry over an area of 12.00	Remain ing 4 Years	Nil (As per checklist)	1. This is a proposal for enhancement of production from 2500cum to 7002cum.	NO	2500cum To 7002cum	The SEAC decided to reject the proposal for following reasons:

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Sl. No.	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
		Ps/ Dist – Balangir Pin: 767048 Email: bhaktacharanpatel0@gmail.com			Acres or 4.856 Hectares in village Ghasian under Patnagarh tahasil of Balangir district of Sri Bhakta Charan Patel - EC			<p>2. EC was granted vide letter no. 10274/SEIAA dated 17-12-2020.</p> <p>3. Lease agreement was on dated 05-01-2021 so modified plan has been extended upto 04-01-2026.</p> <p>4. Hence, Modified plan period is prepared from 01-04-2022 to 04-01-2026.</p> <p>5. Replenishment Study report has been submitted.</p> <p>6. Furnished filled in Form-I, pre-feasibility report and check list as endorsed /</p>			<p>1. Replenishment Study submitted lacks essential details as per MoEF guidelines to support the results arrived at. Hence it is not acceptable.</p> <p>2. EMP study and mitigation measures suggested are totally off the track for sand mining. Sources of pollution and Mitigation measures suggested appears for stone mining and not for sand mining. Hence EMP</p>

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Sl. No.	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area.	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
								<p>submitted by the Tahasildar.</p> <p>7. Final DSR has been submitted.</p> <p>8. Topo sheet indicating location of the mine has been furnished.</p> <p>9. EMP has been submitted.</p> <p>10. Mining Plan has been approved.</p> <p>11. No forest land involved in lease area</p> <p>12. There is no protected areas i.e. National Park, Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Protected Monuments, Inter-State boundary and</p>			report is also not accepted.

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T. Jayak
Environmental Scientist, SEAC

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
								critically polluted area as identified by CPCB etc. located within 5 km radius of the mine lease area. 13. There is no court case / litigation pending. 14. The Tahasildar has furnished Cluster certificate. The Cluster certificate reveals that there is no other mines located within 500 meters from the boundary of the mine.			
4.	SIA/OR/MI N/418920/2023	Sri Umesh Mahakur (Lessee) M/s Tentuligaon	Balangir	Sand	Proposal for Environmental Clearance for Tentuligaon Sand Bed over	4 Years	Nil (As per checklist)	1. This is a proposal for enhancement of production from 8000cum	NO	8000cum To 20000cum	The SEAC decided to reject the proposal for following reasons:

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Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
		Sand Bed At-Ainlasari, Po-Sauntpur, Dist- Balangir Pin: 767071 Email: umeshmahakur22@gmail.com			an area of 12.355 Acres or 5.00 Hectares in village Tentuligaon under Agalpur tahasil of Balangir district of Sri Umesh Mahakur - EC			to 2000cum. 2. EC was granted vide letter no. 5029/SEIAA dated 02-08-2022. 3. Hence, Modified plan period is prepared from 01-04-2021 to 24-09-2025. 4. Replenishment Study report has been submitted. 5. Furnished filled in Form-I, pre-feasibility report and check list as endorsed / submitted by the Tahasildar. 6. Final DSR has been submitted. 7. Topo sheet indicating location of the			(i) In the Replenishment Study of 2023, difference in Pre Monsoon and Post Monsoon levels of sand ranges from minus 0.97 to more than plus 11 meters. This appears to be unrealistic in such a small stretch as per local conditions. Hence proposal is not accepted.

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Umesh Mahakur
Environmental Scientist, SEAC

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
								<p>mine has been furnished.</p> <p>8. EMP has been submitted.</p> <p>9. Mining Plan has been approved.</p> <p>10. No forest land involved in lease area</p> <p>11. There is no protected areas i.e. National Park, Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Protected Monuments, Inter-State boundary and critically polluted area as identified by CPCB etc. located within 5 km radius of the mine lease area.</p> <p>12. There is no court</p>			

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Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
								case / litigation pending. 13. The Tahasildar has furnished Cluster certificate. The Cluster certificate reveals that there is no other mines located within 500 meters from the boundary of the mine.			
5.	SIA/OR/MI N/460722/2024	Sri Ajit Swain (Lessee) M/s Mahuhara Hill Stone Quarry At: Madhupatna, Nuapada Balisahi Dist: Cuttack Pin: 753010	Ganjam	Stone	Proposal for Environmental Clearance for Mahuhara Hill Stone Quarry over an area of 8.00 acres or 3.237 hectares in Village Mahuhara Hill under	1 Year	Nil (As per checklist)	1. This is a proposal for one year on temporary permit for requirement of stone for NH-59 Bypass road, Berhampur. 2. Furnished filled in Form-I, pre-feasibility report	NO	5018	The SEAC decided to reject the proposal as the lease plan period is for 1 year. Environment Clearance is granted to a proposal having a minimum lease

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Trayak
Environmental Scientist, SEAC

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
		Email: ajitkswainec@gmail.com			Kukudakhandi Tahasil in Ganjam District of Sri Ajit Swain - EC			<p>and check list as endorsed / submitted by the Tahasildar.</p> <ol style="list-style-type: none"> 3. Final DSR has been submitted. 4. Topo sheet indicating location of the mine has been furnished. 5. EMP has been submitted. 6. Mining Plan has been approved. 7. No forest land involved in lease area 8. There is no protected areas i.e. National Park, Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Protected Monuments, 			period of 5 years.

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SI. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area.	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
								<p>Inter-State boundary and critically polluted area as identified by CPCB etc. located within 5 km radius of the mine lease area.</p> <p>9. There is no court case / litigation pending.</p> <p>10. The concerned Tahasildar has furnished DLC report. DLC report of concerned Tahasildar reveals that the lease area is not included in the DLC list.</p> <p>11. The Tahasildar has furnished Cluster certificate. The Cluster</p>			

Proceedings of SEAC meeting (Minor Minerals) held on 6th & 7th March' 2024

Trayak
Environmental Scientist, SEAC

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
								certificate reveals that there is no other mine located within 500 meter from the boundary of the mine.			
6.	SIA/OR/M IN/46051 4/2024	Sri Mirza Abrarule Haque Baig (Lessee) M/s Jogiapalli Stone Quarry At: Plot No.-74, Satyanagar, Bhubaneswar Dist: Khordha Pin: 751007	Ganjam	Stone	Proposal for Environmental Clearance for Jogiapalli Stone Quarry Over an area of 4.046 Ha. or 10.00 Acre in Khata No.-363, Plot No.-120 in Village/ Mouza- Jogiapalli, Tahasil- Kukudakhandi, District- Ganjam of Sri Mirza Abrarule	3 Years and 11 months	Nil (As per checklist)	1. This proposal is for enhancement of production from 4590cum to 25002cum and rectification of Geo coordinates of boundary pillars points. 2. EC was granted vide letter no. 686/SEIAA dated 26-02-2021. 3. Hence, Modified plan period is	NO	4590cum to 25002cum	The SEAC recommended to grant EC valid from the date of EC accorded up to the lease period with following additional conditions. i) Consent / NoC shall be obtained from the concerned authority if village road is to be used for

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Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m. from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
					Haque Baig - EC			<p>prepared from 2023-24 to 07-02-2027.</p> <p>4. Lease deed executed on dated 08-02-2022.</p> <p>5. The PP has excavated 1st year 4590cum as per previous Mining Plan.</p> <p>6. Furnished filled in Form-I, pre-feasibility report and check list as endorsed / submitted by the Tahasildar.</p> <p>7. Final DSR has been submitted.</p> <p>8. Topo sheet indicating location of the mine has been furnished.</p> <p>9. EMP has been</p>			<p>transportation. The said road shall also be maintained by the lessee.</p> <p>ii) In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured</p> <p>iii) Plantation programme to be completed within first two years and to be maintained in remaining years.</p> <p>iv) Depth of Mining as proposed should not be beyond 6m from the</p>

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T. Jayak
Environmental Scientist, SEAC

Sl. No.	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
								<p>submitted.</p> <p>10. Mining Plan has been approved.</p> <p>11. No forest land involved in lease area</p> <p>12. There is no protected areas i.e. National Park, Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Protected Monuments, Inter-State boundary and critically polluted area as identified by CPCB etc. located within 5 km radius of the mine lease area.</p> <p>13. There is no court case / litigation pending.</p> <p>14. The concerned</p>			<p>ground level.</p> <p>v) Mitigation measures for flying Rock for safety be put in place.</p> <p>vi) 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</p>

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Sl. No.	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
								<p>Tahasildar has furnished DLC report. DLC report of concerned Tahasildar reveals that the lease area is not included in the DLC list.</p> <p>15. The Tahasildar has furnished Cluster certificate. The Cluster certificate reveals that there is no other mine located within 500 meter from the boundary of the mine.</p>			<p>silicosis.</p> <p>vii) 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.</p> <p>viii) 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</p>

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T. Jayak
Environmental Scientist, SEAC

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
											<p>activity.</p> <p>(ix) All removed topsoil to be stacked and used for plantation in the surroundings of mining area / post mine closure in the mined-out area.</p> <p>(x) All recommended precautions for blasting operations to be followed. Blasting to be done by DGMS approved agency. No explosives to be stored at the mining lease site.</p>

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Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m. from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
7.	SIA/OR/MIN/458149/2024	Tahasildar Nilgiri (Lessee) M/s Kuanarpur Mahal Stone Quarry At/Po-Nilgiri Balasore Dist: Balasore Pin: 756040 Email: tahasildarnilgiri58@gmail.com	Balasore	Stone	Proposal for Environmental Clearance for Kuanarpur Mahal Stone Quarry Over an area of 1.991 Acre or 0.805 Hectares in village Kuanarpur Mahal under Nilgiri Tahasil of Balasore District of Tahasildar Nilgiri - EC	5 Years	Kuanarpur Mahal Stone Quarry (0.741 Acres /0.300 Hectares)	<ol style="list-style-type: none"> 1. Furnished filled in Form-I, pre-feasibility report and check list as endorsed / submitted by the Tahasildar. 2. Final DSR has been submitted. 3. Topo sheet indicating location of the mine has been furnished. 4. EMP has been submitted in cluster approach. 5. Mining Plan has been approved. 6. No forest land involved in lease area 7. There is no protected areas i.e. National Park, Sanctuary, Habitat for 	NO	3018	<p>The SEAC recommended to grant EC valid from the date of EC accorded up to the lease period with following additional conditions.</p> <p>i) 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.</p> <p>ii) In view of likely revision of DSR the mention of this deposit</p>

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Trayati
Environmental Scientist, SEAC

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
								<p>Migratory Birds, Tiger Reserve, Protected Monuments, Inter-State boundary and critically polluted area as identified by CPCB etc. located within 5 km radius of the mine lease area.</p> <p>8. There is no court case / litigation pending.</p> <p>9. The concerned Tahasildar has furnished DLC report. DLC report of concerned Tahasildar reveals that the lease area is not included in the DLC list.</p> <p>10. The Tahasildar</p>			<p>with final coordinates is to be ensured</p> <p>iii) Plantation programme to be completed within first two years and to be maintained in remaining years.</p> <p>iv) Depth of Mining as proposed should not be beyond 6m from the ground level.</p> <p>v) Mitigation measures for flying Rock for safety be put in place.</p> <p>vi) Stone quarry project proponent need to maintain periodic health check-up records</p>

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Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
								has furnished Cluster certificate. The Cluster certificate reveals that there is one other mine located within 500 meter from the boundary of the mine.			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. vii) 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.

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Sl. No.	SE/AA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
											viii) 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.
8.	SIA/OR/M IN/46276 3/2024	Sri Harendra Pradhan (Lessee) M/s Haripur Brick Earth Quarry At - Dahapada, Dahanpada, Dist: Balasore Pin: 756003	Balasore	Brick Earth	Proposal for Environmental Clearance for Haripur Brick Earth Quarry Over an area of 1.09 Acres or 0.441 hectares in village Haripur under Remuna	5 Years	Nil (As per checklist)	1. Furnished filled in Form-I, pre-feasibility report and check list as endorsed / submitted by the Tahasildar. 2. Final DSR has been submitted. 3. Topo sheet indicating location of the	NO	1155	The SEAC observed the following: The proposed quarry is mentioned under Gold Bricks Earth quarry in the approved DSR under Remuna Tahasil. EMP is

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J Nayak
Environmental Scientist, SEAC

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
		Email: harendrapradhan875@gmail.com			Tahasil of Balasore District of Sri Harendra Pradhan - EC			<p>mine has been furnished.</p> <p>4. EMP has been submitted.</p> <p>5. Mining Plan has been approved.</p> <p>6. No forest land involved in lease area</p> <p>7. There is no protected areas i.e. National Park, Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Protected Monuments, Inter-State boundary and critically polluted area as identified by CPCB etc. located within 5 km radius of the mine lease area.</p> <p>8. There is no court</p>			<p>prepared in the name of Gold bricks earth quarry. Its relationship with the project proponent needs to be ascertained.</p> <p>After detailed discussion, the SEAC recommended to grant EC valid from the date of EC accorded upto the lease period with with following additional conditions.</p> <p>i) Consent / NoC shall be obtained from the</p>

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Sl. No.	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
								<p>case / litigation pending.</p> <p>9. The concerned Tahasildar has furnished DLC report. DLC report of concerned Tahasildar reveals that the lease area is not included in the DLC list.</p> <p>10. The Tahasildar has furnished Cluster certificate. The Cluster certificate reveals that there is no other mine located within 500 meter from the boundary of the mine.</p>			<p>concerned authority if village road is to be used for transportation. The said road shall also be maintained by the lessee.</p> <p>ii) In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured.</p> <p>iii) The boundary area of the deposit as per the updated DSR defined by geo coordinates based on DGPS survey be superimposed on the cadastral</p>

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Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
											map. iv) Plantation programme to be completed within first two years and to be maintained in remaining years. However EC shall be granted after ensuring that the project proponent is the rightful owner of the ML area mentioned in the approved DSR.
9.	SIA/OR/M IN/46248 8/2024	Sri Basanta Kumar Das (Lessee) M/s Dalki Quartz & Quartzite Mine At-Ward No-10, Lal Bazar,	Mayurbhanj	Dalki Quartz & Quartzite Mine	Proposal of Environmental Clearance for Dalki Quartz & Quartzite Mine over 1.295 ha in village Dalki	50 Years i.e. till 15-06-2050	Nil (As per checklist)	1. The project is for mining of Quartz & Quartzite. The project was already obtained EC from DEIAA,	NO	23498 tonnes saleable ore + 4698 sub grade ore	The SEAC recommended to grant EC to the proposal upto the lease period with following additional conditions.

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J. Nayak
Environmental Scientist, SEAC

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
		Baripada Dist-Mayurbhanj Pin: 757001 Email: basantkumardas1949@gmail.com			under Jamda Tahasil of Mayurbhanj district of Sri Basanta Kumar Das - EC			<p>Mayurbhanj vide letter no. DEIAA/123 on dated 21-06-2017 for the lease period.</p> <p>2. Mining operation has been commenced on 14-07-2000 after execution of lease on 16-06-2000.</p> <p>3. Since the lease period has extended up to 2050, a fresh application is being submitted for obtaining environmental clearance in SEIAA.</p> <p>4. Furnished filled in Form-I, pre-</p>			<p>i) 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.</p> <p>ii) In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured</p> <p>iii) Plantation programme to be completed within first two years and to be maintained in remaining years.</p>

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Sl. No.	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
								<p>feasibility report and check list as endorsed / submitted by the Tahasildar.</p> <p>5. Final DSR has been submitted.</p> <p>6. Topo sheet indicating location of the mine has been furnished.</p> <p>7. EMP has been submitted.</p> <p>8. Mining Plan has been approved for 5 years.</p> <p>9. No forest land involved in lease area</p> <p>10. There is no protected areas i.e. National Park, Sanctuary, Habitat for Migratory Birds, Tiger Reserve,</p>			<p>iv) Depth of Mining as proposed should not be beyond 6m from the ground level.</p> <p>v) The 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.</p> <p>vii) The boundary area of the</p>

Proceedings of SEAC meeting (Minor Minerals) held on 6th & 7th March' 2024

J. Nayak
Environmental Scientist, SEAC

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report; approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
								<p>Protected Monuments, Inter-State boundary and critically polluted area as identified by CPCB etc. located within 5 km radius of the mine lease area.</p> <p>11. There is no court case / litigation pending.</p> <p>12. The concerned Tahasildar has furnished DLC report. DLC report of concerned Tahasildar reveals that the lease area is not included in the DLC list.</p> <p>13. The Tahasildar has furnished Cluster</p>			<p>deposit as per the revised / updated DSR to be defined by geo coordinates based on DGPS survey superimposed on the cadastral map.</p> <p>viii) 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.</p>

Proceedings of SEAC meeting (Minor Minerals) held on 6th & 7th March' 2024

SI. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist.	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
								certificate. The Cluster certificate reveals that there is no other mine located within 500 meter from the boundary of the mine.			
10.	SIA/OR/MI N/463278/ 2024	Sri Voolla Sandeep Kumar (Lessee) M/s Kantarabali Stone Quarry- II At: Main Road Ambadala Dist: Rayagada Pin: 765021 Email: sandeepvoolla@gmail.com	Rayagada	Stone	Proposal of Environmental Clearance for Kantarabali Stone Quarry- II over an area of 12.00 acres or 4.86 ha under Muniguda Tahasil of Rayagada District of Sri Voolla Sandeep	5 Years	Nil (As per checklist)	1. Furnished filled in Form-I, pre-feasibility report and check list as endorsed / submitted by the Tahasildar. 2. Final DSR has been submitted. 3. Topo sheet indicating location of the mine has been furnished. 4. EMP has been submitted. 5. Mining Plan has	NO	3265	The SEAC recommended to grant EC valid from the date of EC accorded up to the lease period with following additional conditions. i) Consent / NoC shall be obtained from the concerned authority if village road is to be used for

Proceedings of SEAC meeting (Minor Minerals) held on 6th & 7th March' 2024

Trayak
Environmental Scientist, SEAC

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
					Kumar - EC			<p>been approved.</p> <p>6. No forest land involved in lease area</p> <p>7. There is no protected areas i.e. National Park, Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Protected Monuments, Inter-State boundary and critically polluted area as identified by CPCB etc. located within 5 km radius of the mine lease area.</p> <p>8. There is no court case / litigation pending.</p> <p>9. The concerned Tahasildar has furnished DLC</p>			<p>transportation. The said road shall also be maintained by the lessee.</p> <p>ii) In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured</p> <p>iii) Plantation programme to be completed within first two years and to be maintained in remaining years.</p> <p>iv) Depth of Mining as proposed should not be beyond 6m from the ground level.</p>

Proceedings of SEAC meeting (Minor Minerals) held on 6th & 7th March' 2024

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
								<p>report. DLC report of concerned Tahasildar reveals that the lease area is not included in the DLC list.</p> <p>10. The Tahasildar has furnished Cluster certificate. The Cluster certificate reveals that there is no other mine located within 500 meter from the boundary of the mine.</p>			<p>v) Mitigation measures for flying Rock for safety be put in place.</p> <p>vi) 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.</p> <p>vii) The boundary area of the deposit as per</p>

Proceedings of SEAC meeting (Minor Minerals) held on 6th & 7th March' 2024

Sl. No.	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
											<p>the revised / updated DSR to be defined by geo coordinates based on DGPS survey superimposed on the cadastral map.</p> <p>viii) 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.</p> <p>However, EC shall be granted</p>

Proceedings of SEAC meeting (Minor Minerals) held on 6th & 7th March' 2024

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
											after submission of Compliance report to previous EC conditions.
11.	SIA/OR/MIN/461147/2024	Tahasildar Nilgiri (Lessee) M/s Kuanarpur Mahal Stone Quarry At/Po-Nilgiri Dist: Balasore Pin: 756040 Email: tahasildarnilgiri58@gmail.com	Balasore	Stone	Proposal of Environmental Clearance for Kuanarpur Mahal Stone Quarry Over an area of 0.741 Acre or 0.300 Hectares in village Kuanarpur Mahal under Nilgiri Tahasil of Balasore District of Tahasildar Nilgiri - EC	5 Years	Kuanarpur Mahal Stone Quarry (1.991 Acre or 0.805 Hectares)	<ol style="list-style-type: none"> 1. Furnished filled in Form-I, pre-feasibility report and check list as endorsed / submitted by the Tahasildar. 2. Final DSR has been submitted. 3. Topo sheet indicating location of the mine has been furnished. 4. EMP has been submitted in cluster approach. 5. Mining Plan has been approved. 6. No forest land involved in lease area 	NO	1514	<p>The SEAC recommended to grant EC valid from the date of EC accorded up to the lease period with following additional conditions.</p> <p>i) 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</p>

Proceedings of SEAC meeting (Minor Minerals) held on 6th & 7th March' 2024

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
								<p>7. There is no protected areas i.e. National Park, Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Protected Monuments, Inter-State boundary and critically polluted area as identified by CPCB etc. located within 5 km radius of the mine lease area.</p> <p>8. There is no court case / litigation pending.</p> <p>9. The concerned Tahasildar has furnished DLC report. DLC report of concerned Tahasildar</p>			<p>the lessee.</p> <p>ii) In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured</p> <p>iii) Plantation programme to be completed within first two years and to be maintained in remaining years.</p> <p>iv) Depth of Mining as proposed should not be beyond 6m from the ground level.</p> <p>v) Mitigation measures for flying Rock for safety be put in</p>

Proceedings of SEAC meeting (Minor Minerals) held on 6th & 7th March' 2024

Sl. No.	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area.	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
								reveals that the lease area is not included in the DLC list. 10. The Tahasildar has furnished Cluster certificate. The Cluster certificate reveals that there is one other mine located within 500 meter from the boundary of the mine.			place. vi) 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. vii) The boundary area of the deposit as per the revised / updated DSR to be defined by

Proceedings of SEAC meeting (Minor Minerals) held on 6th & 7th March' 2024

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area.	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
											geo coordinates based on DGPS survey superimposed on the cadastral map. viii) 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.
12.	SIA/OR/MI N/464031/2024	Tahasildar Nilgiri (Tahasildar) M/s Mahisapatta Stone Quarry A/Po-Nilgiri	Balasore	Stone	Proposal of Environmental Clearance for Mahisapatta Stone Quarry Over an area of	5 Years	Nil (As per checklist)	1. Furnished filled in Form-I, pre-feasibility report and check list as endorsed / submitted by the Tahasildar.	NO	2235	The SEAC decided to take decision on the proposal after receipt of the following from the concerned

Proceedings of SEAC meeting (Minor Minerals) held on 6th & 7th March' 2024

Sl. No.	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
		Dist: Balashwar Pin: 756040 Email: tahasildarnilgiri58@gmail.com			0.92 Acre or 0.372 Hectares in village Mahisapatta under Nilgiri Tahasil of Balasore District of Tahasildar Nilgiri - EC			<ol style="list-style-type: none"> 2. Final DSR has been submitted. 3. Topo sheet indicating location of the mine has been furnished. 4. EMP has been submitted. 5. Mining Plan has been approved. 6. No forest land involved in lease area 7. There is no protected areas i.e. National Park, Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Protected Monuments, Inter-State boundary and critically polluted area as identified 			<p>Mining Officer:</p> <ol style="list-style-type: none"> 1. Certificate from concerned DFO the proposed quarry does not fall under DLC land. 2. Certificate from the concerned DFO that the lease area is not coming within notified Eco-sensitive zone of Kuldiha Sanctuary as the distance of the boundary of Kuldiha Sanctuary is 10.62Km from the proposed site.

Proceedings of SEAC meeting (Minor Minerals) held on 6th & 7th March' 2024

Sl. No.	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
								<p>by CPCB etc. located within 5 km radius of the mine lease area.</p> <p>8. There is no court case / litigation pending.</p> <p>9. The concerned Tahasildar has furnished DLC report. DLC report of concerned Tahasildar reveals that the lease area is not included in the DLC list.</p> <p>10. The Tahasildar has furnished Cluster certificate. The Cluster certificate reveals that there is no other mine located</p>			

Proceedings of SEAC meeting (Minor Minerals) held on 6th & 7th March' 2024

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
								within 500 meter from the boundary of the mine.			



 Member Secretary, SEAC

TABLE
DECISION ON MINOR MINERAL PROJECTS WITH LEASE AREA LESS THAN 5 HA.
ON 06TH AND 07TH MARCH 2024
(CLARIFICATION RECEIVED)

Sl. No.	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Clarification sought by the SEAC		Whether compliance furnished by the Tahasildar (Yes / No) With Remarks if any	Recommendation of the SEAC
						Date of meeting	Clarification		
1.	SIA/O R/MIN/ 42337 7/2023	Sri Narender Singh Malhotra (Lessee) M/s. Katakamada Road Metal Quarry No-02 At: HIG-6, Bda Colony, Jaydev Vihar, Bhubaneswar Pin: 751013 Email: utkalhighway	Dhenkana I	Stone (Road Metal)	Proposal of Environmental Clearance for Katakamada Road Metal Quarry No- 02 over an area of 8.50 Acre or 3.439 Ha under Dhenkanal Tahasil of Dhenkanal District Odisha of Sri Narender Singh Malhotra - EC	13 th , 15 th , 17 th and 18 th November 2023	I. The lease area is passing through a road. Type of road to be specified? Is it village road? II. In Mining Plan, why there is no area left for non-mining zone as a safety distance from road. This shall be clarified.	Road passing through the lease area is an approach road to the quarry. Enquiry report from R.I Kankadapal attached as Annexure I. As the road passing through the lease area is an approach road to quarry no safety zone required.	The SEAC recommended to grant EC valid from the date of EC accorded up to the lease period with following additional conditions. i) 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. ii) In view of likely revision of DSR the

Proceedings of SEAC meeting (Minor Mineral – Clarification received) held on 06th and 07th March 2024

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Clarification sought by the SEAC		Whether compliance furnished by the Tahasildar (Yes / No) With Remarks if any	Recommendation of the SEAC
						Date of meeting	Clarification		
		s0@gmail.com							<p>mention of this deposit with final coordinates is to be ensured</p> <p>iii) Plantation programme to be completed within first two years and to be maintained in remaining years.</p> <p>iv) Depth of Mining as proposed should not be beyond 6m from the ground level.</p> <p>v) Mitigation measures for flying Rock for safety be put in place.</p> <p>vi) 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</p>

Proceedings of SEAC meeting (Minor Mineral – Clarification received) held on 06th and 07th March 2024

Sl. No.	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Clarification sought by the SEAC		Whether compliance furnished by the Tahasildar (Yes / No) With Remarks if any	Recommendation of the SEAC
						Date of meeting	Clarification		
									<p>ensuring that working personnel are not affected by silicosis.</p> <p>vii) 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.</p> <p>viii) 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.</p> <p>(ix) All removed topsoil to be stacked and used for plantation in the surroundings of mining area / post mine closure in the</p>

Proceedings of SEAC meeting (Minor Mineral – Clarification received) held on 06th and 07th March 2024

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Clarification sought by the SEAC		Whether compliance furnished by the Tahasildar (Yes / No) With Remarks if any	Recommendation of the SEAC
						Date of meeting	Clarification		
									mined-out area. (x) All recommended precautions for blasting operations to be followed. Blasting to be done by DGMS approved agency. No explosives to be stored at the mining lease site.
2.	SIA/O R/MIN/45283 7/2023	Smt Minakshi Pradhan (Lessee) M/s. Aranga Laterite Stone Quarry(B) At Samantarpur, Dist -Khordha Pin: 751002 Email: baideswarsa ndghat2020	Khordha	Stone	Proposal of Environmental Clearance for Aranga Laterite Stone Quarry(B) Over an area of 12.35 Acre or 4.99 Hectares in village Aranga under Tangi Tahasil of Khordha District of Smt Minakshi	28 th , 29 th & 30 th December' 2023	Exact distance of Aranga Laterite Stone Quarry (A) from the proposed quarry as khata no. and plot no. is same supported by Google Map.	The exact distance of the Aranga Laterite Stone Quarry (A) is 20 m from the proposed quarry. Both Khata and the plot number are the same. But kindly notice that the successful bidder of surrendered the lease before the lease agreement and not applied for environmental clearance. This quarry is not operational and other operational sources are not within	The SEAC recommended to grant EC valid from the date of EC accorded up to the lease period with following additional conditions. i) 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.

Proceedings of SEAC meeting (Minor Mineral – Clarification received) held on 06th and 07th March 2024

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Clarification sought by the SEAC		Whether compliance furnished by the Tahasildar (Yes / No) With Remarks if any	Recommendation of the SEAC
						Date of meeting	Clarification		
		2@gmail.com			Pradhan - EC			<p>a 500-meter radius or 1 km radius of the proposed quarry of Aranga Laterite Stone Quarry (B). So, we want to immediately operate the Aranga Laterite Stone Quarry (B), so it cannot be illegally excavated and transported by unknown local miscreants. So, kindly grant the EC in favour of the lessee for the smooth operation of the quarry.</p>	<p>ii) In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured iii) Plantation programme to be completed within first two years and to be maintained in remaining years. iv) Depth of Mining as proposed should not be beyond 6m from the ground level. v) Mitigation measures for flying Rock for safety be put in place. vi) 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</p>

Proceedings of SEAC meeting (Minor Mineral – Clarification received) held on 06th and 07th March 2024

Sl. No.	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Clarification sought by the SEAC		Whether compliance furnished by the Tahasildar (Yes / No) With Remarks if any	Recommendation of the SEAC
						Date of meeting	Clarification		
									<p>and handling sections of the stone quarry for ensuring that working personnel are not affected by silicosis.</p> <p>vii) 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.</p> <p>viii) 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.</p> <p>(ix) All removed topsoil to be stacked and used for plantation in the surroundings of</p>

Proceedings of SEAC meeting (Minor Mineral – Clarification received) held on 06th and 07th March 2024

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Clarification sought by the SEAC		Whether compliance furnished by the Tahasildar (Yes / No) With Remarks if any.	Recommendation of the SEAC
						Date of meeting	Clarification		
									mining area / post mine closure in the mined-out area. (x) All recommended precautions for blasting operations to be followed. Blasting to be done by DGMS approved agency. No explosives to be stored at the mining lease site.
3.	SIA/O R/MIN/ 41724 3/2023	Sri Bhakta Charan Patel (Lessee) M/s. Tamian Sand Quarry At- Pilatimahul, Ps-Balangir Dist: Balangir	Balangir	Sand	Proposal of Environmental Clearance for Tamian Sand Quarry over an area of 12.00 Acres or 4.856 Hectares in village Tamian under Patnagarh tahasil of Balangir	28 th , 29 th & 30 th December' 2023	The video should be Geo tagged with coordinates and date.	The video has been enclosed with Geo Tagged coordinates which we have sent you in the mail.	The SEAC decided to reject the proposal for following reasons: (i) Clarification was sought from PP to tag the co-ordinates and video of the lease area as KML file uploaded with the proposal was not supporting the existence of sand in the area and the meandering of river was not suitable for

Proceedings of SEAC meeting (Minor Mineral – Clarification received) held on 06th and 07th March 2024

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Clarification sought by the SEAC		Whether compliance furnished by the Tahasildar (Yes / No) With Remarks if any	Recommendation of the SEAC
						Date of meeting	Clarification		
		Pin: 767048 Email: bhaktachara npatel0@gmail.com			district of Sri Bhakta Charan Patel - EC				mining. PP uploaded the co-ordinates and video recording of lease area with sand replenishment study report. The video had no clarity of sand presence in the lease area as entire stretch was water logged with no visible dry sandy patches. (ii)The meandering of river also deliberate no mining zone in concave banks limiting the mining area. (iii)The replenishment study report indicates the pre monsoon and post monsoon level difference of the lease area as 15m. which seems erratic and needs review of the study.

Proceedings of SEAC meeting (Minor Mineral – Clarification received) held on 06th and 07th March 2024

J. Jayak
Environmental Scientist, SEAC

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Clarification sought by the SEAC		Whether compliance furnished by the Tahasildar (Yes / No) With Remarks if any.	Recommendation of the SEAC
						Date of meeting	Clarification		
4.	SIA/O R/MIN/42594 9/2023	Tahasildar, Borigumma (Lessee) M/s. Jodaput Stone Quarry At - Tahasil Office Borigumma Dist: Koraput Pin: 764056 Email: tahasildarborigumma@gmail.com	Koraput	Stone	Proposal of Environmental Clearance for Jodaput Stone Quarry over an area of 11.927 acres or 4.827 hectares bearing Khata no.69, Plot no.308 & 320 in Village Jodaput, Tahasil Borigumma, District Koraput of Tahasildar, Borigumma - EC	28 th , 29 th & 30 th December' 2023	The CAF in PARIVESH portal shows that the Tahasildar has applied for TOR and for expansion of project to 23.854 ha (SI.5 of CAF). However, the area applied is of 11.927 acres or 4.827 hectares. This shall be clarified.	We would like to bring to your attention that the area mentioned in the application on the CAF in PARIVESH portal is 23.854 hectare which is a clerical error / typical mistake occurred during the online application process at Parivesh 2.0. The actual correct area stands at 4.827 hectares. All accompanying documents, including the Mining Plan, have been meticulously prepared based on this accurate area measurement. Furthermore, it's important to note that this proposal falls under the B2 category project for which we are applying for a fresh Environmental Clearance, rather than	The SEAC recommended to grant EC valid from the date of EC accorded up to the lease period with following additional conditions. i) 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. ii) In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured iii) Plantation programme to be completed within first two years and to be maintained in

Proceedings of SEAC meeting (Minor Mineral – Clarification received) held on 06th and 07th March 2024

Sl. No.	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Clarification sought by the SEAC		Whether compliance furnished by the Tahasildar (Yes / No) With Remarks if any.	Recommendation of the SEAC
						Date of meeting	Clarification		
								<p>ToR with expansion of production not expansion of area.</p> <p>remaining years.</p> <p>iv) Depth of Mining as proposed should not be beyond 6m from the ground level.</p> <p>v) Mitigation measures for flying Rock for safety be put in place.</p> <p>vi) 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.</p> <p>vii) The boundary area of the deposit as per the revised / updated DSR to be defined by geo coordinates based</p>	

Proceedings of SEAC meeting (Minor Mineral – Clarification received) held on 06th and 07th March 2024

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Clarification sought by the SEAC		Whether compliance furnished by the Tahasildar (Yes / No) With Remarks if any	Recommendation of the SEAC
						Date of meeting	Clarification		
									<p>on DGPS survey superimposed on the cadastral map.</p> <p>viii) 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.</p> <p>(ix) All removed topsoil to be stacked and used for plantation in the surroundings of mining area / post mine closure in the mined-out area. (x) All recommended precautions for blasting operations to be followed. Blasting to be done by DGMS approved agency. No explosives to be stored</p>

Proceedings of SEAC meeting (Minor Mineral – Clarification received) held on 06th and 07th March 2024

Sl. No	SEIAA File No.	Name & Address of the proponent	District.	Type of Mineral	Name of the project	Clarification sought by the SEAC		Whether compliance furnished by the Tahasildar (Yes / No) With Remarks if any	Recommendation of the SEAC
						Date of meeting	Clarification		
									at the mining lease site.
5.	SIA/O R/MIN/ 43962 4/2023	Tahasildar Sukruli (Lessee) M/s. Khandiadhhar Sand Quarry At/Po- Sukruli, Ps- Raruan, Dist- Mayurbhanj Pin: 757039 Email: fulguntha2st onequarry@gmail.com	Mayurbhanj	Sand	Proposal of Environmental Clearance for Khandiadhhar Sand Quarry over an area of 12.35 acres 5.00 hectares in village Khandiadhhar under Sukruli Tahasil in Mayurbhanj District of Tahasildar, Sukruli - EC	07 th , 08 th and 11 th September 2023	i. The RQP shall clarify how approved mining area will not affect concave portions of the river stretch?	The mining will be carried out away from the concave portion of the stretch towards the middle part of the river bed with 7.5 m sand barrier as safety zone during post monsoon season only. As per the approved mining plan the annual proposed production is 5,000cum which is too less as comparison with geological reserve (34,500 cum) of the lease area. After that the annual replenishment study will be carried out as per sand guide line 2020 and if required a revised mining plan will be prepared to carry out mining operation for the rest of the five-year plan	The SEAC recommended to grant EC valid from the date of EC accorded upto the lease period with specific conditions stipulated for sand mine with following additional conditions. i) 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. ii) In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured. iii) The boundary area of the deposit as per

Proceedings of SEAC meeting (Minor Mineral – Clarification received) held on 06th and 07th March 2024

Sl. No.	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Clarification sought by the SEAC		Whether compliance furnished by the Tahasildar (Yes / No) With Remarks if any	Recommendation of the SEAC
						Date of meeting	Clarification		
							II. The level of water table during post monsoon, when mining will be done, with reference to the surface of the riverbed sand	period. During proposed mining, the quarry floor will be 359 m (1m depth of mining) whereas during post monsoon the level of water table varies from 355m to 356 m. So, there is no possibility of contact of water table during mining operation.	the updated DSR defined by geo coordinates based on DGPS survey be superimposed on the cadastral map. iv) Plantation programme to be completed within first two years and to be maintained in remaining years. v) The Project proponent shall follow Sustainable Sand Mining Guidelines, 2020. vi) The proponent shall provide Bio- toilet for the workers. vii) Project Proponent shall not disturb the water course during mining
6.	SIA/O R/MIN/ 40404	Tahasildar, Khariar (Lessee)	Nuapada	Stone	Proposal of Environmental Clearance for	28 th , 29 th and 30 th December	I. The PP is required to provide the	An updated surface plan showing layout of garland drains,	The SEAC recommended to grant EC valid from the date

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Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Clarification sought by the SEAC		Whether compliance furnished by the Tahasildar (Yes / No) With Remarks if any	Recommendation of the SEAC
						Date of meeting	Clarification		
	5/2022	M/s. Risigaon-II Stone Quarry At: Khariar Tahasil, Risigaon Dist: Nuapada Pin: 766107 Email: tah.khariar-od@nic.in			Risigaon-II Stone Quarry over an area 5.78 acres or 2.339 hectares in Risigaon village under Khariar tahasil of Nuapada district of Tahasildar Khariar - EC	2023	layout of garland drains, retaining walls and settling ponds on the surface plan along with their specifications.	retaining walls, settling ponds is annexed herewith. (Annexure-1)	of EC accorded up to the lease period with following additional conditions. i) 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.
							II. The PP is required to submit the specific environmental control measures including that of particular matter.	A detailed note on environmental control measures is annexed herewith. (Annexure-2)	ii) In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured
							II. The PP is required to specify the	A detailed note on blasting management is attached herewith.	iii) Plantation programme to be completed within first two years and to be maintained in remaining years. iv) Depth of Mining as proposed should not

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Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Clarification sought by the SEAC		Whether compliance furnished by the Tahasildar (Yes / No) With Remarks if any	Recommendation of the SEAC
						Date of meeting	Clarification		
							blasting schedule and safety precautions against fly rocks and ground vibration.	(Annexure-3)	be beyond 6m from the ground level. v) Mitigation measures for flying Rock for safety be put in place. vi) 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. vii) 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.

Proceedings of SEAC meeting (Minor Mineral – Clarification received) held on 06th and 07th March 2024

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Clarification sought by the SEAC		Whether compliance furnished by the Tahasildar (Yes / No) With Remarks if any	Recommendation of the SEAC
						Date of meeting	Clarification		
									<p>viii) 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.</p> <p>(ix) All removed topsoil to be stacked and used for plantation in the surroundings of mining area / post mine closure in the mined-out area. (x) All recommended precautions for blasting operations to be followed. Blasting to be done by DGMS approved agency. No explosives to be stored at the mining lease site.</p>

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Sl. No.	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Clarification sought by the SEAC		Whether compliance furnished by the Tahasildar (Yes / No) With Remarks if any.	Recommendation of the SEAC
						Date of meeting	Clarification		
7.	SIA/O R/MIN/ 42407 2/2023	Sri Ghanshyam Das Agarwal (Lessee) M/s. Kulange Basti Sand Bed At: Udit Nagar, Rourkela Dist: Sundargarh Pin: 769012 Email: ecupurdasa ndbed@gmail.com	Sundargarh	Sand	Proposal of Environmental Clearance for Kulange Basti Sand Bed of an area 12.35 acres or 5.00 hectares Kulange Basti village under Bonai tahasil of Sundargarh district of Sri Ghanshyam Das Agarwal - EC	28 th , 29 th and 30 th December 2023	I. Fresh kml file	The Fresh KML file has sent to the SEAC.	The SEAC recommended to grant EC valid from the date of EC accorded upto the lease period with specific conditions stipulated for sand mine with following additional conditions. i) EC may be recommended for 60% of mineable reserve for 1st year till replenishment study. ii) 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. iii) In view of likely revision of DSR the mention of this deposit with final coordinates
							II. Geotagged video capturing the lease area.	The Geotagged video is submitted by the project Proponent to SEAC.	
							III. Justify why EC shall be considered for extraction of sand at the rate of 25000cum /annum, when majority part of the lease area is covered with greenery.	Recently a Drone Survey has been conducted over the lease & from the recent drone imagery (annexed herewith) reveals that major part of the lease area is sand having sand bed thickness 1.2m to 1.5m. As per the present sand deposit within the lease 25,000 cubic meters of sand extraction per annum may be allowed as the lease site is on Brahmani River, in which good replenishment of sand is expected every year	

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Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Clarification sought by the SEAC		Whether compliance furnished by the Tahasildar (Yes / No) With Remarks if any	Recommendation of the SEAC
						Date of meeting	Clarification		
								being the second largest river of Odisha.	is to be ensured.
							IV. Full scape toposheet (1:50,000 scale) showing all features and depicting lease site (colour marking).	The lease area is distinctly marked on the toposheet by marking all geographical features and annexed herewith.	iv) The boundary area of the deposit as per the updated DSR defined by geo coordinates based on DGPS survey be superimposed on the cadastral map.
							V. Distance from the nearest Eco-sensitive Zone in map.	The distance from the nearest Eco-sensitive Zone in map is annexed herewith.	v) Plantation programme to be completed within first two years and to be maintained in remaining years.
							VI. Google map showing the present	The Google map showing the present lease hold area with all sairat source within 500meter boundary of the lease hold area is	vi) The Project proponent shall follow Sustainable Sand Mining Guidelines, 2020. vii) The proponent shall provide Bio- toilet for the workers. viii) Project Proponent shall not disturb the water course during mining

Proceedings of SEAC meeting (Minor Mineral – Clarification received) held on 06th and 07th March 2024

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Clarification sought by the SEAC		Whether compliance furnished by the Tahasildar (Yes / No) With Remarks if any	Recommendation of the SEAC
						Date of meeting	Clarification		
							lease hold area with all sairat source within 500 meter boundary of the lease hold area.	annexed herewith.	
8.	SIA/O R/MIN/ 45124 1/2023	Sri Saroj Kumar Mohanty (Lessee) M/s. Hulipur Mahanadi Sand Quarry At- Lokipursasan, P.o-Banpur, Dist- Khordha Pin: 752034 Email:	Cuttack	Sand	Proposal of Environmental Clearance for Hulipur Mahanadi Sand Quarry over an area of 5.00 Ha having Khata No. 882, Plot No. 1 in village Hulipur under Kishannagar Tahasil of Cuttack District	28 th , 29 th and 30 th December 2023	KML file shows most of the area covered by vegetation and water. In EC granted on 17.08.2020 there was a condition to submit "Exact map of the lease area and the No Mining Zone"	The No Mining zone" shown in lease area. The copy in map is submitted as per Scale DGPS survey have been done by ORSAC empanelment agency named as M/s. "AREAL CONSTRUCTION & GEO-INDIA SERVICES .Geo- Co- Ordinate of the Lease area is given below:	The SEAC recommended to grant EC valid from the date of EC accorded upto the lease period with specific conditions stipulated for sand mine with following additional conditions. i) This is an existing mine. Fresh EC has been applied with submission of Replenishment Study Report which found to be satisfactory. So, EC may be recommended

Proceedings of SEAC meeting (Minor Mineral – Clarification received) held on 06th and 07th March 2024

Sl. No.	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Clarification sought by the SEAC		Whether compliance furnished by the Tahasildar (Yes / No) With Remarks if any	Recommendation of the SEAC
						Date of meeting	Clarification		
		sarojmohant yec2022@gmail.com			of Sri Saroj Kumar Mohanty - EC		shall be drawn to the scale, showing the DGPS co-ordinates of all corner points and the location of bridge, embankment and other structures and such map has to be submitted to SEIAA by the PP through the Tahasildar within 15 days of issue of EC. A copy of the map as submitted to SEIAA may be submitted for examination of	TABLE Location Of the Bridge 20 ° 25' 35.89" 86 ° 05' 20.92" Location of the Embakment 20 ° 25' 46.33" 86 ° 04' 45.07" Revised KML file also Submitted	as per replenishment quantity i.e. 33049.6826 Cum till replenishment study. ii) 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. iii) In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured. iv) The boundary area of the deposit as per the updated DSR defined by geo coordinates based on DGPS survey be superimposed on the cadastral map. v) Plantation programme to be

Proceedings of SEAC meeting (Minor Mineral – Clarification received) held on 06th and 07th March 2024

Sl. No.	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Clarification sought by the SEAC		Whether compliance furnished by the Tahasildar (Yes / No) With Remarks if any	Recommendation of the SEAC
						Date of meeting	Clarification		
							workable area.		<p>completed within first two years and to be maintained in remaining years.</p> <p>vi) The Project proponent shall follow Sustainable Sand Mining Guidelines, 2020.</p> <p>vii) The proponent shall provide Bio- toilet for the workers.</p> <p>viii) Project Proponent shall not disturb the water course during mining</p>
							A latest video of the complete lease area with geo co-ordinates and date.	A latest video of the complete lease area with geo co-ordinates and date is Submitted. DGPs Video Date: - 23.02.2023	
							River width is 836 meters to 1143 meters as brought out. The exact distance of safety zone from the bank as per MoEF guidelines.	The exact distance of safety zone from the bank as per MoEF guidelines is 180.92 meter. Cadastral Map is attached in Annexure - A	
							Common safe workable area is taken as 39167 sq meter. Details of arriving at this figure with	Mining plan was approved on dated 08.01.2021. In the time north side of the lease area was covered with the water body but now replenishment survey	

Proceedings of SEAC meeting (Minor Mineral – Clarification received) held on 06th and 07th March 2024

Sl. No.	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Clarification sought by the SEAC		Whether compliance furnished by the Tahasildar (Yes / No) With Remarks if any	Recommendation of the SEAC
						Date of meeting	Clarification		
							map. Mining Plan reflects potential sand area as 28571 sq meter.	has been done in year of 2023. From this survey notice that total area is covered with sand due to less excavation(3000cum) because sand have been deposited in river bank area. 10596sq.mtr area covered with sand after the approval of mining plan.	
							GCPs as mentioned in 3.3 A of the ARRS are not given in the study report with co-ordinates. Same may be furnished.	GCP of ARRS report is Submitted. TABLE GCP have been done by DGPS Survey	
							If possible a site visit shall also be undertaken by	-	

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Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Clarification sought by the SEAC		Whether compliance furnished by the Tahasildar (Yes / No) With Remarks if any	Recommendation of the SEAC
						Date of meeting	Clarification		
							a sub-committee to assess the availability of sand and to assess the safe workable area.		
9.	SIA/O R/MIN/ 45125 2/2023	Sri Saroj Kumar Mohanty (Lessee) M/s. Dulupur Chitroptala Sand Quarry At- Lokipursasan, P.o-Banpur, Dist- Khordha Pin: 752034 Email: sarojmohant yec2022@gmail.com	Cuttack	Sand	Proposal of Environmental Clearance for Dulupur Chitroptala Sand Quarry over an area of 5.00 Ha having Khata No. 579, Plot No. 1 & 5 in village Dulupur under Kishannagar Tahasil of Cuttack District of Sri Saroj Kumar Mohanty - EC	28 th , 29 th and 30 th December 2023	KML file shows most of the area covered by non-availability of sand and water. In EC granted on 17.8.20 there was a condition to submit "Exact map of the lease area	The No Mining zone" shown in lease area. The copy in map is submitted as per Scale DGPS survey have been done by ORSAC empanelment agency named as M/s. "AREAL CONSTRUCTION & GEO-INDIA SERVICES .Geo- Co- Ordinate of the Lease area is given below TABLE Location Of the	The SEAC recommended to grant EC valid from the date of EC accorded upto the lease period with specific conditions stipulated for sand mine with following additional conditions. i) This is an existing mine. Fresh EC has been applied with submission of Replenishment Study Report which found to be satisfactory. So, EC may be recommended as per replenishment quantity i.e. 22338.1817 cum till

Proceedings of SEAC meeting (Minor Mineral – Clarification received) held on 06th and 07th March 2024

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Clarification sought by the SEAC		Whether compliance furnished by the Tahasildar (Yes / No) With Remarks if any	Recommendation of the SEAC
						Date of meeting	Clarification		
							and the No Mining Zone" shall be drawn to the scale, showing the DGPS co-ordinates of all corner points and the location of bridge, embankment and other structures and such map has to be submitted to SEIAA by the PP through the Tahasildar within 15 days of issue of EC. A copy of the map as	Bridge 20 ° 24' 14.33" 86 ° 11' 14.33" Location of the Embankment 20 ° 23' 18.77" 86 ° 13' 37.51" Revised KML file also Submitted	replenishment study. ii) 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. iii) In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured. iv) The boundary area of the deposit as per the updated DSR defined by geo coordinates based on DGPS survey be superimposed on the cadastral map. v) Plantation programme to be completed within first two years and to be maintained in

Proceedings of SEAC meeting (Minor Mineral – Clarification received) held on 06th and 07th March 2024

Sl. No.	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Clarification sought by the SEAC		Whether compliance furnished by the Tahasildar (Yes/ No) With Remarks if any.	Recommendation of the SEAC
						Date of meeting	Clarification		
							submitted to SEIAA may be submitted for examination of workable area.		remaining years.
							A latest video of the complete lease area with geo co-ordinates.	A latest video of the complete lease area with geo co-ordinates and date is Submitted. DGPs Video Date: - 23.02.2023	vi) The Project proponent shall follow Sustainable Sand Mining Guidelines, 2020. vii) The proponent shall provide Bio- toilet for the workers. viii) Project Proponent shall not disturb the water course during mining
							GCPs as mentioned in 3.3 A of the ARRS are not given in the study report with co-ordinates .Same may be furnished.	GCP of ARRS report is Submitted. TABLE GCP have been done by DGPS Survey	
							If possible a site visit shall	-	

Proceedings of SEAC meeting (Minor Mineral – Clarification received) held on 06th and 07th March 2024

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Clarification sought by the SEAC		Whether compliance furnished by the Tahasildar (Yes / No) With Remarks if any	Recommendation of the SEAC
						Date of meeting	Clarification		
							also be undertaken by a sub-committee to assess the availability of sand and to assess the safe workable area.		
10.	SIA/O R/MIN/ 41633 6/2023	Sri Niraj Agrawal (Lessee) M/s. Bhutiarbahal Stone Quarry-A At- Palace line, Po- Balangir Dist: Balangir Pin: 767001 Email: nirajagrawal 715@gmail.	Balangir	Stone	Proposal of Environmental Clearance for Bhutiarbahal Stone Quarry-A over an area of 4.00 Acres or 1.618 Hectares in village Bhutiarbahal under Balangir tahasil of Balangir	29 th and 30 th January 2024	RLs of top surface and bottom surface of the ML area as per the approved mining plan along with RL of the surface ground.	The top RL of the Bhutiarbahal Stone Quarry is 220mRL whereas the Bottom RL of the Quarry is 210mRL. The Surface level is also 210mRL.	The SEAC recommended to grant EC valid from the date of EC accorded up to the lease period with following additional conditions. i) 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.
							Estimated mineral resources in the ML area and the	The estimated geological reserve of the quarry is 163728 cu.m and Mineable reserve is 134662	

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Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Clarification sought by the SEAC		Whether compliance furnished by the Tahasildar (Yes / No) With Remarks if any.	Recommendation of the SEAC
						Date of meeting	Clarification		
		com			district Sri Niraj Agrawal - EC		<p>estimated life of the mine.</p> <p>RL of ground water table in rainy and summer season.</p> <p>Detail lay out showing positions of areas storing overburden, mineral products, rejects generated during mining etc. for all the 3 ML areas in the cluster along with access roads</p>	<p>cu.m. The estimated life of the mine will be 16.6 Years assuming 8100 cu.m of production per Year.</p> <p>During rainy season the ground water level varies form 3.5-7m and during summer it varies between 2-9.9m from the ground surface.</p> <p>A Layout map is enclosed showing all the features like OB Dump area, Top soil stack, Mineral Stack and Common Approach Road for all the three ML areas as Annexure-A.</p>	<p>ii) In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured</p> <p>iii) Plantation programme to be completed within first two years and to be maintained in remaining years.</p> <p>iv) Depth of Mining as proposed should not be beyond 6m from the ground level.</p> <p>v) Mitigation measures for flying Rock for safety be put in place.</p> <p>vi) Stone quarry project proponent need to maintain periodic health check-up records of their employees and ensure use of face mask by</p>

Proceedings of SEAC meeting (Minor Mineral – Clarification received) held on 06th and 07th March 2024

Sl. No.	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Clarification sought by the SEAC		Whether compliance furnished by the Tahasildar (Yes / No) With Remarks if any	Recommendation of the SEAC
						Date of meeting	Clarification		
							to each of these 3 ML areas in the cluster.		workers in crushing and handling sections of the stone quarry for ensuring that working personnel are not affected by silicosis.
							The proposal mentions use of explosives for blasting. The project proponents complying with all statutory guidelines for storing, handling and using explosives.	The stone quarries will use blasting method with low intensity. A third party having valid license holder will be engaged for safe Storage, handling and use of carrying explosive van. The details of license holder will be intimated at your office after quarry operation.	vii) 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.
							Certificate from Tahasildar to confirm that no habitation is near the ML areas for carrying out	I am to say that after field verification of all the three sources, the nearest habitation is at a distance of 0.8 Km from the Quarries. A Google Map is also enclosed for your kind reference.	viii) 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. (ix) All removed topsoil to be stacked and used for plantation in

Proceedings of SEAC meeting (Minor Mineral – Clarification received) held on 06th and 07th March 2024

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Clarification sought by the SEAC		Whether compliance furnished by the Tahasildar (Yes / No) With Remarks if any	Recommendation of the SEAC
						Date of meeting	Clarification		
							safe blasting operations in all the three ML areas.		the surroundings of mining area / post mine closure in the mined-out area. (x) All recommended precautions for blasting operations to be followed. Blasting to be done by DGMS approved agency. No explosives to be stored at the mining lease site.
11.	SIA/O R/MIN/ 43979 3/2023	Smt Shakuntala Sahu (Lessee) M/s. Rudragopalpur Samil Naharpatna Brick Earth Quarry At: Sahadevkhunta Balesore	Balasore	Brick Earth	Proposal of Environmental Clearance for Rudragopalpur Samil Naharpatna Brick Earth Quarry over an area of 1.74 Acres or 0.704 hectares in village Rudragopalpur	28 th , 29 th and 30 th December 2023	Certificate from District Agriculture Officer on cropping pattern involved on the lease land as the lease plot is stated to be irrigated land. (Sl.11 of check list)	District Agriculture Officer has certified that the above mentioned plot is not cultivated area and no cropping is being done here'. Though it has been stated to be irrigated area, no irrigation and cropping exist in the area'. The adjacent plots within a radius of more than 500 mtr are also non irrigated and	The SEAC recommended to grant EC valid from the date of EC accorded upto the lease period with following additional conditions. i) Consent / NoC shall be obtained from the concerned authority if village road is to be used for transportation. The

Proceedings of SEAC meeting (Minor Mineral – Clarification received) held on 06th and 07th March 2024

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Clarification sought by the SEAC		Whether compliance furnished by the Tahasildar (Yes / No) With Remarks if any	Recommendation of the SEAC
						Date of meeting	Clarification		
		Sadar, Balasore Dist: Balasore Pin: 756001 Email: shakuntalas ahu036@gmail.com			Samil Naharpatna under Remuna Tahasil of Balasore District of Smt Shakuntala Sahu - EC			non-cropped area.	said road shall also be maintained by the lessee. ii) In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured. iii) The boundary area of the deposit as per the updated DSR defined by geo coordinates based on DGPS survey be superimposed on the cadastral map. iv) Plantation programme to be completed within first two years and to be maintained in remaining years.


MEMBER SECRETARY, SEAC

Proceedings of SEAC meeting (Minor Mineral – Clarification received) held on 06th and 07th March 2024


Environmental Scientist, SEAC

TABLE
DECISION ON MODIFICATION OF ENVIRONMENTAL CLEARANCE PROJECTS (CLARIFICATION RECEIVED)
ON 06TH AND 07TH MARCH 2024

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Clarification sought by the SEAC		Whether compliance furnished by the Tahasildar (Yes / No) With Remarks if any.	Recommendation of the SEAC
						Date of meeting	Clarification		
1.	SIA/O R/MIN/ 30588 4/2023	Smt. Bidulata Senapati (Lessee) M/s. Kulashree Devi River Sand Quarry At- Purbakhanda, Po/Ps/Tahasil- Niali Dist-Cuttack Pin: 754004 Email: manojkuni1233@gmail.com	Cuttack	Sand	Proposal of amendment Environmental Clearance for Kulashree Devi River Sand Quarry over an area of 11.40 acres or 4.613 hectares in village Kulashree under Niali Tahasil in Cuttack District of Smt. Bidulata Senapati - Mod EC	28 th , 29 th and 30 th December 2023	As per para 4.5 of Replenishment study report, the calculation of replenished sand quantity is as follows:- Common Safe Workable Area x Differential Height = Volume Replenished. = 4982 m ² x 0.843m = 4200.66 Cum. Whereas it is mentioned in the same para as "Volume Replenished in the common safe mineable area is 5031.82cum." which needs clarification. Besides in the application form, it is	Unfortunately the "Volume Replenished in the common safe mineable area is typed 5031.82 cum. instead of 4200.66 cum." So, you are requested 4200.66 cum. may be considered and accordingly para 4.5 of Replenishment study report is Rectified and uploaded. By mistakenly it is mentioned in the application form, the Proposed as well as final configuration as 4982.00 cum instead of 4200.66 cum please may consider 4200.66 cum replenished sand volume proposed as well as final configuration.	The SEAC recommended the following: The defects noticed and communicated as ADS have been clarified by PP. Basing on the clarifications received, SEAC recommended the proposal for sand mining of 4200.66 cum for current mining season.

Proceedings of SEAC meetings held on 06th and 07th March 2024

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Clarification sought by the SEAC		Whether compliance furnished by the Tahasildar (Yes / No) With Remarks if any	Recommendation of the SEAC
						Date of meeting	Clarification		
							mentioned the proposed as well as final configuration as 4982.00 cum which should not be more than replenished sand volume. This needs clarification.		
2.	SIA/O R/MIN/ 30665 1/2023	Smt Sukanti Sahoo (Lessee) M/s. Kathajodi River Sand Quarry, Mundamuhan At- Bidyadharpur, Po-Nayabazar, Ps-Chauliaganj, Dist-Cuttack Email: sukantisahoo1967@gmail.com	Cuttack	Sand	Proposal of amendment Environmental Clearance for Kathajodi River Sand Quarry over an area of 15.00 acres or 6.07 hectares in village Mundamuhan under Barang Tahasil in Cuttack District of Smt Sukanti Sahoo - Mod EC	28 th , 29 th and 30 th December 2023	The document showing the quantity approved by SEIAA for sand mining by the PP (In transfer of EC neither annual production nor approved quantity granted by SEIAA for 1 st year is mentioned).	Condition no-6 of the EC granted by the SEIAA, Odisha vide Letter no-SEIAA/617, on dated 30.01.2016 in favour of Tahasildar, Barang, states that (Mining activity shall be carried out as per approved mining plan prepared for this project) & Mineable reserve is 1,72,902CuM with total production quantity 8,64,510Cum during lease period that was approved quantity of EC. The mining plan was prepared & approved on dated 07.07.2015 by Deputy Director, Geology with	The SEAC recommended the following: The mining officer has apologized for the mistake in reply to ADS and has now recommend 1.03,442 CuM of sand as production quantity basing on replenishment study. SEAC recommended for grant of EC for 1.03,442 CuM of sand for mining during current season.

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Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Clarification sought by the SEAC		Whether compliance furnished by the Tahasildar (Yes / No) With Remarks if any	Recommendation of the SEAC
						Date of meeting	Clarification		
								<p>production capacity is 1,72,902 CuM/Annum. The EC was transferred in favour of the current lessee Smt. Sukanti Sahoo vide File no. SIA/OR/MIN/184381/2 020 on dated - 05.02.2021, of Sand Mining quantity is same as the approved quantity of earlier EC i.e 1,72,902Cum/Annum. The Lease agreement was executed on 18-02-2021. In this context, the Lessee has extracted 1,50,000 CuM during 1st year & 1,05,000 CuM 2nd year. Till 22nd June, 2023 the lessee had extracted 21,000 CuM as per the information given by the Lessee.</p>	
							Lease agreement copy in favour of PP.	The Lease agreement was executed on Dt. 18.02.2021. The copy of agreement is enclosed herewith as ANNEXURE-I.	

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Sl. No.	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Clarification sought by the SEAC		Whether compliance furnished by the Tahasildar (Yes / No) With Remarks if any	Recommendation of the SEAC	
						Date of meeting	Clarification			
							To clarify for applying sand mining for 103442.00 cum whereas the Deputy Director of Mines, Cuttack circle, Cuttack has recommended to consider the production plan of 86570.00 cum per annum vide his letter no. 2283 dated 30.10.2023 as up loaded at 12(d) of Form-4.	It was mistakenly mentioned that the production plan of sand was 86.570CuM vide Our letter no 2283/Mines, dated 30.10.2023. As per the Replenishment study Report, 1,03,442 CuM of sand is available for minina. So as per the study report we recommend 1.03,442 CuM of sand as production quantity. I apologize for the mistake.		
3.	SIA/O R/MIN/ 29874 4/2023	MD Wasim Bari (Lessee) M/s. Mahadevdeuli-I Sand Quarry At-Magurgadia, Po/Ps- Keonjhar, Dist.-Keonjhar	Mayurbhanj	Sand	Proposal for amendment Environmental Clearance for Mahadevdeuli-I Sand Quarry over an area of 4.997hectares (12.35 Ac) in Village Mahadevdeuli of Karanjia	06th, 09th and 10th May 2023	08th and May	In the Replenishment studies using Drone survey method, it is observed that (Item No 5.3) the volume deposited is 469 cum. But the PP has asked for 34.63 cum. There is discrepancy in data in the sand volume calculation in respect to pre & post	The PP has given complete calculation in the compliance report and has submitted it.	The SEAC decided to reject the proposal for following reasons: The replenishment study calculation in reply to ADS is not acceptable. SEIAA may take appropriate action as per rules.

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Sl. No.	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Clarification sought by the SEAC		Whether compliance furnished by the Tahasildar (Yes / No) With Remarks if any	Recommendation of the SEAC
						Date of meeting	Clarification		
					Tahasil in Mayurbhanj District of MD Wasim Bari - Mod EC		monsoon points. This shall be clarified.		
4.	SIA/O R/MIN/ 30066 3/2023	Sri Tapas Das (Lessee) M/s. Neunti River Sand Bed At-Kuchelbudi, Po/Ps- Rairangpur District- Mayurbhanj Pin: 757043 Email: dastapaskumar 547@gmail.com	Mayurbhanj	Sand	Proposal of amendment Environmental Clearance for Neunti River Sand Bed over an area of 12.25 acres or 4.957 hectares in village Neunti under Rairangpur Tahasil in Mayurbhanj District of Sri Tapas Das - Mod EC	28 th , 29 th & 30 th December' 2023	The Annexures 1-6 giving details of study (as mentioned in Replenishment study) are not available. Submit the annexures.	The project proponent enclosed the modified Replenishment study report with Appendix 1-6.	The SEAC observed the following reasons: (i) The RS is neither countersigned by Tahasildar nor by competent officer of Mining Department. (ii) In the conclusion of RS report, the proposal for 2897.00 cum sand mining is based on mineable area @ 60% of total lease area, where as the common safe workable area has been shown in RS report as 13413.37sqm which is 27.05 % of total area. SEAC recommends sand mining of 1307.00 cum basing on replenished

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Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Clarification sought by the SEAC		Whether compliance furnished by the Tahasildar (Yes / No) With Remarks if any	Recommendation of the SEAC
						Date of meeting	Clarification		
									sand quantity on common safe workable area subject to approval of mining plan by competent authority for current season.


MEMBER SECRETARY, SEAC

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Environmental Scientist, SEAC

**DECISION ON COUNTRY LIQUOR (MAHUA FLOWER BASED O.S SHOP) NEW
PROPOSAL COMPLIANCE RECEIVED ON 06TH AND 07TH MARCH 2024**

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
1)	SIA/OR/IND2/433 708/2023	Proposal of Extension Environmental Clearance for Production of 0.54 KLD Mohua Flower Based Out Still country Liquor manufacturing unit, M/s Dudukabahal main O.S Shop At/ Mouza- Dudukabahal, Tahasil- Kashipur, District- Rayagada of Smt Maladevi Agrawal- EC	<ol style="list-style-type: none"> 1. Furnished filled in Form-I, pre-feasibility report and check list counter signed by Excise Superintendent. 2. Process flow sheet has been furnished. 3. Design and specification of O.S. (Pot) has been furnished. 4. Plant layout map indicating plant facilities, product and raw material storage area has been furnished. 5. Copy of excise license of Competent Authority has not been furnished. 6. No forest land involved in project area. 7. There is no protected areas i.e. National Park, Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Protected Monuments, Inter-State boundary and critically polluted area as identified by CPCB etc. located within 5 km radius of the project area. 8. Land documents furnished. 9. The SEAC in its meeting held on dated 28th, 29th and 30th December 2023 decided to take decision on the proposal after receipt of the following from the concerned proponent: <ol style="list-style-type: none"> 1. Copy of Excise license of Competent Authority has been furnished, which was valid up to 31.03.2024. 	The SEAC considered the proposal as 'B2' category as the unit is generating waste water less than 100 KLD and recommended to grant Environmental Clearance for production of 1.0 KLD of county Liquor with modified conditions as recommended in the SEAC meeting held on 19.06.2018.


MEMBER SECRETARY, SEAC

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Environmental Scientist

STANDARD ENVIRONMENTAL CLEARANCE CONDITIONS TO BE STIPULATED IN ENVIRONMENTAL CLEARANCE FOR SAND MINING

Stipulated Conditions:

1. The project proponent should carry out River bed sand mining manually by engaging local laborers in force to check over exploitation of sand at the source.
2. Any change in the plan or quantity to be produced shall require prior approval of SEIAA.
3. There shall be a 'no working zone' to protect the embankment on both sides, road or rail bridge in the vicinity, if any, dam, weir, water intake structure of irrigation or drinking water project, or any cross drainage structure. 10 % of the width of river shall be left intact along the embankments on both sides as 'no mining zone'. Further, no mining shall be allowed within 200 m of any existing structures dam, weir, water intake structure of irrigation or drinking water project, or any cross drainage structure. In case of River Bridge, this no mining zone shall extend upto a minimum stretch of 200 meters from the bridge and it may extend upto 500 meters in sensitive locations. The lease area shall be accordingly curtailed to carve out the actual sand mining area within the leasehold. Exact map of the lease area, and the 'no mining zone' shall be drawn to scale, showing the DGPS coordinates of all corner points, and the location of the bridge, embankment, extraction route & other structures; and such map has to be submitted to SEIAA by the project proponent through the Tahasildar within three months of the date of issue of the EC. The quantum of sand allowed to be extracted will be worked out on the basis of the actual working area.
4. The lease area and the actual working area shall be demarcated on the ground by erecting durable masonry /concrete pillars by the project proponent.
5. The project proponent shall take prior statutory and regulatory clearance as required from the concerned authorities in respect of the project, before carrying out any operation.
6. Mining is not permissible within the water channel or stream flow area. No stream shall be diverted for the purpose of mining and no natural water course shall be obstructed. The mining or any ancillary activity shall not in any way disturb the flow pattern of the river water during the non monsoon period. There shall be no sand mining in the river during the rainy season or when there is flow of water in the river.
7. Sand mining operations shall not affect the existing sources for irrigation / drinking water / industrial purpose.
8. The natural sand dunes, if any, near or surrounding the lease area shall not be disturbed.
9. No transportation of the minerals shall ordinarily be allowed on any road passing through villages/habitations/forest land without prior explicit permission. Transportation

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of minerals through existing rural roads can be allowed only by the concerned Govt. Department/BDO and only after required strengthening, such that the carrying capacity of road is increased to handle the sand truck traffic. The project proponent shall bear the cost towards the widening and strengthening of existing public roads in case the same is proposed to be used for the project. No movement on any road is allowed on existing village road network without appropriately increasing the carrying capacity of such roads. Project proponent shall ensure that the road may not be damaged due to transportation of the mineral and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and traffic density. Plying of sand extraction trucks may be allowed on roads / path ways passing close to schools, temples, hospitals and such other public places only with prior written permission of competent authority.

10. Vehicles hired for transportation of sand from the site should be in good condition and should have pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
11. The vehicles shall not be overloaded and shall be covered with Tarpaulin. The Tahasildar may collect an appropriate road maintenance levy from the lessee as part of the lease conditions on the basis of quantum of sand transported, and utilize the proceeds of the levy for proper maintenance of the extraction paths and roads to prevent their degradation on account of plying of sand trucks.
12. The project proponent shall take all precautionary measures against causing damage to flora and fauna of the locality. The PP shall plant and nurse to full establishment a minimum of 50 number of saplings of native tree species along the approach roads, river banks and in community areas in consultation with the Gram Panchayat.
13. Water spray should be made on the road/extraction paths to control dust emission during transportation of sand.
14. The Project Proponent shall undertake phased restoration, reclamation and rehabilitation of land affected by mining and completes this work before abandonment of mine.
15. Environmental Management Plan (EMP) shall be implemented by PP to ensure compliance with the environmental conditions specified above. The year wise funds earmarked for environmental protection measures shall be kept in separate account and shall be spent according to the plan proposed. Year wise progress of implementation of EMP shall be reported to the SEIAA, Odisha and OSPCB along with the compliance report.
16. The proponent shall take necessary measures to ensure that there is no adverse impact of the mining operations on the human habitation if any, existing nearby.
17. It shall be mandatory for the project management to submit quarterly compliance reports on the status of implementation of the above stipulated environmental safeguards to the SEIAA, Odisha / SPCB, Odisha/ Regional Office of the MoEF&CC, Bhubaneswar, in hard and soft copies on 1st day of January, April, July, October of each calendar year, failing which EC is liable to be revoked.

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18. River Bank stabilization shall be made through stone patching. Plantation of adequate number native species on river banks and both sides of haulage roads shall be made.
19. During transportation of sand, all traffic safety measures shall be taken to avoid any kind of accidents.
20. Bio - toilet provision shall be made.
21. Stone patching on river bank with plantation in-between and the ramp construction shall be done in consultation with and advice of concerned W.R.Deptt, Government of Odisha.
22. Necessary sprinkling on Haulage Road and Avenue plantation shall be done.
23. At the end of mine closure, the proponent shall immediately remove all the sheds put up in the quarry and all the equipment in the area before closure of the quarry.
24. The conditions stipulated in the environmental clearance will be closely monitored on the ground by the lease granting authority, i.e. the Tahasildar, who shall ensure compliance of the stipulated conditions and take corrective measures promptly in case of any non- compliance and also ensure that the project proponent submits quarterly compliance reports.
25. The concerned Regional Office of the MoEF&CC/ SPCB, Odisha shall periodically monitor compliance of the stipulated conditions as applicable for this project. The project authorities should extend full cooperation to the MoEF&CC officer(s)/SPCB officer(s) by furnishing the requisite data / information / monitoring reports.
26. A copy of the clearance letter shall be sent by the proponent to concerned Gram Panchayat /Panchayat Samiti /Zilla Parisad /Municipal Corporation / Urban Local Body as the case may be.
27. Project proponent shall obtain Consent to Operate from the OSPCB and effectively implement all the conditions stipulated therein. The mining activity shall not commence prior to obtaining Consent to Establish / Consent to Operate from the State Pollution Control Board.
28. The SEIAA, Odisha may revoke or suspend this EC, if implementation of any of the above conditions is not satisfactory. The SEIAA, Odisha reserves the right to alter /modify the above conditions or stipulate any further condition in the interest of environment protection.
29. The Project Proponent (lease holder) shall inform the SEIAA of any change in ownership of the mining lease. In case, there is any change in ownership or mining lease is transferred, then mining operation can be carried out only after transfer of EC as per provisions of the para 11 of EIA Notification, 2006, as amended from time to time.
30. Concealing any factual information or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this environment clearance besides attracting penal provisions in the Environment (Protection) Act, 1986.

31. The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/ High Court and any other Court of Law relating to the subject matter.
32. This Environmental Clearance (EC) is subject to orders/judgment of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, Common Cause Conditions as may be applicable.
33. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under section 16 of the National Green Tribunal Act, 2010.

ESSENTIAL PHYSICAL CRITERIA AS PER ENFORCEMENT AND MONITORING GUIDELINES FOR SAND MINING, JANUARY 2020 OF MOEF&CC, GOVT. OF INDIA

Sl. No.	Essential Criteria	Reference
1.	"No Mining Zone": 1/4th the part of the river width (excluding 3/4th the central part of the river width) on both sides of the river towards the river bank	4.1.1 (Para - e) Page - 16
2.	a) Distance between two clusters : ≥ 2.5 km b) Area of mining lease area in a cluster: ≤ 10 ha.	4.1.1 (Para - k) Page - 19
3.	Concave River Bank : No extraction of sand	
4.	No mining if a) Upstream: Lease is 1 km from major Bridge and high ways or $5(x)$ of the Bridge / public civil structure / water intakes point subject to lease is located at a minimum 250 meter distance. Where x = Span of the bridge. b) Downstream side: Lease is 1 km from the major bridge and Highways Or $10x$ of the bridge / public civil structure / water intake point Subject to lease is located at a minimum distance of 500 meter where x = span of the bridge	4.3 (Para - h) Page - 23
5.	Mining depth : ≤ 3 meter (maximum 3 meter)	4.3 (Para - m) Page - 24
6.	Mining distance from river bank: $1/4^{\text{th}}$ of the river width, But subject to not less than 7.5 meter	4.31 (Para - m) Page - 24
7.	Area for removal of minerals : $\leq 60\%$ of mine lease area	4.3 (Para - s) Page - 25
8.	Minable sand per ha. Available for actual mining : $\leq 60,000$ MT/Annum	
9.	Regular replenishment study and replenishment rate	