

**PROCEEDINGS OF THE MEETING OF STATE LEVEL EXPERT APPRAISAL  
COMMITTEE, ODISHA HELD ON 13<sup>TH</sup> MAY, 2022**

The SEAC met on 13<sup>th</sup> May, 2022 at 03:00 PM through video conferencing in google meet under the Chairmanship of Sri B.P. Singh. The following members were present in the meeting.

- |                              |   |           |
|------------------------------|---|-----------|
| 1. Sri. B. P. Singh          | - | Chairman  |
| 2. Dr. K. Murugesan          | - | Secretary |
| 3. Dr. D. Swain              | - | Member    |
| 4. Prof. (Dr.) H.B. Sahu     | - | Member    |
| 5. Prof. (Dr.) P.K. Mohanty  | - | Member    |
| 6. Sri. J. K. Mahapatra      | - | Member    |
| 7. Sri. K. R. Acharya        | - | Member    |
| 8. Prof. (Dr.) B.K. Satpathy | - | Member    |
| 9. Dr. K.C.S Panigrahi       | - | Member    |
| 10. Dr. Sailabala Padhi      | - | Member    |

The following issues were discussed and decision taken:

**A. CONSIDERATION OF MINOR MINERAL PROPOSALS (NEW):**

The committee verified 10 nos. of minor mineral proposals forwarded by the SEIAA, Odisha on the basis of MoEF&CC, Govt. of India OM no. F. No. L-I 1011/175/2018-IA-II (M), dated 12.12.2018. The case-wise proceedings and observations of the committee are detailed in Table as per **Annexure – A**. The proposals of following categories are:

Total no. of proposals	Type of proposals	No. of proposal	Decisions of the committee
10	Stone Quarries and other (03)	01	Clarification to be sought from the concerned Tahasildar.
		02	The SEAC considered the proposals as B2 category and recommended for Environmental Clearance.
	River Sand (07)	07	The SEAC considered the proposals as B2 category and recommended for Environmental Clearance.

**B. CONSIDERATION OF MINOR MINERAL PROPOSALS (COMPLIANCE RECEIVED):**

The committee verified 03 nos. of minor mineral proposals (compliance received) on the basis of MoEF&CC, Govt. of India OM no. F. No. L-I 1011/175/2018-IA-II (M), dated 12.12.2018. The case-wise proceedings and observations of the committee are detailed in Table as per **Annexure – B**. The proposals of following categories are:

Total no. of proposals	Type of proposals	No. of proposal	Decisions of the committee
03	Stone Quarries and other (02)	02	The SEAC considered the proposals as B2 category and recommended for Environmental Clearance.
	River Sand (01)	01	The SEAC considered the proposals as B2 category and recommended for Environmental Clearance.

**C. CONSIDERATION OF TERMS OF REFERENCE FOR EIA STUDY FOR MINOR MINERAL PROPOSALS OF LEASE AREA 25 HA. OR LESS (INCLUDING THE CLUSTER APPROACH):**

1. The SEAC in its meeting held on 17.11.2020 decided that the appraisal for issue of ToRs for the minor mineral proposals of lease area 25 ha. or less (including cluster approach) may be considered with specific ToRs as suggested by SEAC as well as standard ToRs based on merit of the proposal without presentation.
2. The SEIAA, Odisha has forwarded 22 online EC applications of minor mineral proposals of lease area 25 ha. or less (including cluster approach) as per **Annexure-C**.
3. The MoEF&CC, Govt. of India vide circular no. F.No. IA 3 – 22/15/2022 – IA-III (computer no. 178038), dated 06.05.2022 issued mechanism for handling ToRs applications for issuing standard ToRs.
4. The proposals (22 nos.) at **Annexure - C** were forwarded to SEIAA after approval of the Chairman, SEAC for issue of ToRs including specific ToRs for conducting EIA study as per decision taken in the SEAC meeting held on 17.11.2020.

After detailed discussion, (the SEAC opined that ToRs including specific ToRs for conducting EIA study may be issued as per decision taken in the SEAC meeting held on 17.11.2020 with following two additional specific ToRs.

- (i) Preparation of revised mining plan based on essential physical criteria as per Enforcement and Monitoring Guidelines for Sand Mining, January 2020 of MoEF&CC, Govt. of India enclosed as **Appendix - A**.
- (ii) Lay out of Progressive Mine Closure Plan shall also be incorporated in the Revised Mining Plan”.

**D. MODIFICATION OF ENVIRONMENTAL CLEARANCE OF TWO PROPOSALS:**

The Committee recommended for amendment of Environmental Clearance for two proposals as follows as per **Annexure-D**.

- i) Amendment for change in address for correspondence from “Mouza – Sundarpur, Dist – Khordha” to “Plot No. 15, VIP Colony, IRC village, Bhubaneswar” as requested by M/s D.N. Homes Pvt. Ltd.
- ii) Amendment for the change in pillar co-ordinate of the lease cluster as per present survey report. The co-ordinate of the area modified as per the present survey report by the RQP and Revenue Inspector. (Change in pillar co-ordinate from Latitude: 20°46'20.34"N - 20°47'22.92"N to Latitude: 20°46'20.37"N - 20°47'22.92"N) as per application for modification of EC of Cluster - 5 Mines which constitutes Dankari, Barada & Baraman Hillocks over a mining lease area of 98.42Ha. located in Dankari, Barada & Baraman, Tahasil – Dharmasala, District – Jajpur.

**E. APPRAISAL OF 08 NOS. OF MINOR MINERALS (SAND MINES) FOR RE-EXAMINATION ON THE REPLENISHMENT STUDY SUBMITTED:**

- i) The SEAC recommended 08 nos. of sand mining proposals as per **Annexure - E** for grant of Environmental Clearance with some specific conditions as follows:
  - a) Revised mining plan shall be prepared based on essential physical criteria as per Enforcement and Monitoring Guidelines for Sand Mining, January 2020 of MoEF&CC, Govt. of India.
  - b) Regular replenishment study to be conducted and report to be submitted.

- ii) The SEIAA, Odisha returned these 08 proposals to SEAC with a request to carefully scrutinise the report submitted on study of replenishment rate, and deliberate on the data furnished.
- iii) The SEAC observed that none of the sand mining proposal has submitted replenishment study report and hence study of replenishment rate could not be possible. Moreover, the SEAC recommended grant of Environmental Clearance with **a condition to carryout regular replenishment study and report to be submitted**. Since, Environmental Clearances have not been granted to these 08 nos. of sand mining projects, same has not been complied.

After detailed discussion, the SEAC reiterates its earlier recommendation for grant of Environmental Clearances to these 08 nos. of proposals with specific conditions as recommended earlier. However, regular/periodical replenishment study to be made and report to be submitted with implementation plan.

#### **F. APPRAISAL OF DISTRICT SURVEY REPORTS (DSRs) OF DISTRICTS – BALASORE, KALAHANDI AND NAWARANGPUR:**

- i) The need for District Survey Report (DSR) have been necessitated by Ministry of Environment, Forest and Climate Change (MoEF&CC) vide their Notification No. S.O. 141 (E), dated 15<sup>th</sup> January 2016. The notification was addressed to bring certain amendments with respect to the EIA notification 2006 and in order to have a better control over the legislation. District level committees have been introduced in the system. As a part of this notification, preparation of District Survey Reports has been introduced.
- ii) The MoEF&CC in compliance of the Hon'ble Supreme Court's and NGT'S order has prepared "Sustainable Sand Mining Guidelines (SSMG), 2016" in consultation with State governments, detailing the provisions on Environmental Clearance (EC) for cluster, creation of District Environment Impact Assessment Authority, preparation of District survey report and proper monitoring of minor mineral.
- iii) Subsequently, Ministry of Environment, Forest and Climate Change has published Notification No. 3611 (E), dt. 25<sup>th</sup> July, 2018 regarding inclusion of the "Minerals Other than Sand" and format for preparation of the DSR has been specified. The notification stated about the objective of DSR i.e. "Identification of areas of aggradations or deposition where mining can be allowed; and identification of areas of erosion and proximity to infrastructural structures and installations where mining should be prohibited and calculation of annual rate of replenishment and allowing time for replenishment after mining in that area".
- iv) Enforcement & Monitoring Guidelines for Sand Mining (EMGSM) January 2020 has been published modifying Sustainable sand Mining Guidelines, 2016 by MoEF & CC for effective enforcement of regulatory provisions and their monitoring. The EMGSM 2020 directed the states to carry out river audits, put detailed survey reports of all mining areas online and in the public domain, conduct replenishment studies of river beds, constantly monitor mining with drones, aerial surveys, ground surveys and set up dedicated task forces at district levels. The guidelines also push for online sales and purchase of sand and other riverbed materials to make the process transparent. They propose night surveillance of mining activity through night- vision drones.
- v) The Hon'ble NGT in O. A. No. 360/2015- NGT Bar Association Vrs. Virender Singh (State of Gujarat) & O. A. No. 173/2018 - Sudarshan Das Vrs. State of West Bengal & Ors issued the following directions to the States:

- As the DEIAA is not functioning as a consequence of the decision of the Tribunal in Satendra Pandey (supra) case, the DSR shall be prepared through consultants accredited by the National Accreditation Board of Education and Training/ Quality Control Council of India in terms of O.M. of MoEF&CC, Govt. of India dated 16.03.2010.
  - The DSR so prepared shall be submitted to the District Magistrate who shall verify the DSR only in respect of the relevant facts pertaining to the physical and geographical features of the district which shall be distinct from the scientific findings based on the parameters prescribed in the SSMMG- 2016. After such verification, the District Magistrate shall forward the DSR for examination and evaluation by the State Expert Appraisal Committee (SEAC) having regarding to the fact.
  - The SEAC after appraisal of the report shall forward it to the SEIAA for consideration and approval if it meets all scientific/technical requirements.
  - While preparing the DSR, the MoEF&CC, Govt. of India Accredited Agency/Consultant shall scrupulously follow the procedure and the parameters laid down under the SSMMG-2016 and EMGSM - 2020 read in sync with each other."
- vi) The following decisions were taken in the 2<sup>nd</sup> meeting held on 04.12.2021 at 4:00 PM under the Chairmanship of the Chief Secretary, Odisha in the matter of "Sustainable Sand Mining" related to O. A. No. 360/2015- NGT Bar Association Vrs. Virender Singh (State of Gujarat) & O. A. No. 173/2018 -Sudarshan Das Vrs. State of West Bengal & Ors.
- Since the DSR for all the 30 districts have been prepared recently, during the next round of preparation, the same shall be prepared by NABET (National Accreditation Board for Education and Training) / QCI (Quality Control Council of India).
  - The DSRs that have been prepared will be examined by DEIAA and will be sent to SEIAA for appraisal by SEAC and final approval by SEIAA till new DSRs are prepared.
- vii) The order of the Hon'ble NGT clearly specifies that DSR to be prepared by the MoEF&CC, Govt. of India Accredited Agency/Consultant and sent to the SEIAA by the technical appraisal by the SEAC.
- viii) The DSRs of district Balasore, Kalahandi and Nawarangpur as forwarded by the SEIAA to SEAC have not been prepared by the MoEF&CC, Govt. of India Accredited Agency/ Consultant.
- ix) The SEAC opined that the order of the Hon'ble NGT is silent about the applicability of preparation of DSR by NABET Accredited Consultants for all the minor minerals or only for sand mines as the matter dealt in Hon'ble NGT Order is related to Sand Mines only. **The SEIAA, Odisha may consider to seek legal views and / or clarification from MoEF&CC, Govt. of India in this regard to come to a conclusion.** Accordingly, the SEIAA may take decision on minor mineral cases other than sands without sending to SEAC for appraisal.
- x) Since, the DSRs of Balasore, Kalahandi and Nawarangpur Districts are not prepared by NABET/ QCI accredited consultant/ agency, SEAC is not authorized to make

appraisal of the same as per para - v above.

- xi) **However, the SEAC opined that the SEIAA, Odisha may decide if such DSRs as received from Balasore, Kalahandi and Nawarangpur will be considered for implementation even when the same has not been prepared by the NABET Accredited Consultants. However, If decided to consider for implementation, the following may be incorporated district wise as observed by the SEAC.**

**DISTRICT SURVEY REPORT (DSR) OF BALASORE DISTRICT:**

The District Survey Report (DSR) of Minor Minerals (Sand, Stone, Morrums & Brick Earth) of Balasore District was submitted by the ADM, Balasore at SEIAA, Odisha for appraisal by SEAC and further approval by SEIAA. The SEIAA, Odisha forwarded the DSR of Balasore district to SEAC, Odisha for appraisal in compliance to the order of the Hon'ble NGT, dated 02nd February, 2022 in the matter of OA No. 63/2022/EZ filed by Haripada Manna & Anr. Vrs District Collector, Balasore & Ors. The SEAC have gone through the report and observed the following:

- DSR of Balasore District as forwarded above does not appear to have been based on the Notification/ Guidelines issued by MoEF&CC, Govt. of India from time to time in 2016, 2018 guide lines for sustainable sand mining and EMGSM' 2020 on sand mining.
- The production details covered in the DSR refers to Yr 2015-16 to 2018-19 and case of sand mining Leases, the same are stated to have been expired in 2020.
- The information submitted in this report is for 3 Financial years i.e. 2016-2017, 2017-2018, 2018-2019. Thus the information and data for the next 3 financial year i.e. 2019-2020, 2020-2021, 2021-2022 have not been covered at all.
- The royalty, production and Lol have been shown nil for Brick Earth and ordinary soil Mining and Morrums. It shall be clearly mentioned that these minor minerals are not in extractable quantity in District of Balasore.
- The data shown for river sand and stone appears on lower side, which shall be justified.
- A list of potential locations for all 4 groups of minor minerals have been attached without any details barring 50 mining leases for River sand and stone quarry.
- Since, this report is being claimed as an interim report, it is not sure when the final DSR covering the above 6 financial years with updates for future use will be ready.
- Objectives of Sand mining laid down in MoEF&CC, Govt. of India Notification in 25<sup>th</sup> July' 2018 are not addressed in the above said DSR. The contents are not having technical and scientific backup.
- In case of sand mining, the salient and essential physical Criteria and features including important infrastructures and installations are not indicated in the DSR with respect to mining sites including rate of Replenishment through regular replenishment studies.
- The details like Name, qualification, designation, experience, expertise, and competence of persons who prepared the basic report and who examined in DEAC and DEIAA may be furnished for appraisal of capability by SEAC.
- The method of identification of minor mineral deposits in 12 Tahasils of the District Balasore has not been furnished.

- Duration of field study by the Team, who has prepared the report has not been reflected in the report.
- The DSR reports prepared are predominantly focussed for sand mining with quantification of reserves and mineable quantities. The other minerals are just mentioned qualitatively without any elaboration of the potential. Thus, DSR reports prepared cannot be considered as a Mineral Survey Report for all minerals.
- Coming back to sand mining and its reserve, in many cases it could be observed that there is a large difference between the geological reserve and mineable reserve. This indicates there is a potential of mining higher quantity of sand which has not been brought out. Although pre-feasibility studies are made, it is necessary to find the scientific reason of why the quantity of sand can not be mined more, keeping the replenishment study in reference.
- DSR report needs to be prepared with joint field visits and that has been done in few cases. One such case is in Kalahandi DSR for Sairat sources for sand which indicates a sand thickness of 0.2 mt to +2.5 mt at different sand beds.
- The District Survey Report (Minor Mineral) is supposed to be a compendium of all possible Minor Mineral taking the Grampanchayat as the smallest unit for data capturing and Tahasil as the main unit for grant of Mining lease. This interim report appears to be sketchy, incomplete and inadequate to support the Mining of Minor Minerals in the District to boost the production and revenue of the State Government.

#### **DISTRICT SURVEY REPORT (DSR) OF KALAHANDI DISTRICT:**

- DSR has been prepared by DEIAA Kalahandi District based on information provided by Field Functionaries of District. It has not been prepared by NABET accredited consultant.
- Production and Revenue data for last three years from 2016-2017 to 2018-2019 have been furnished.
- Satellite imagery, Aerial Photography, and other latest technology have not been used in DSR preparation.
- Replenishment study in case of sand mining, mine closure in case of other minor minerals have not been mentioned in DSR. It appears to have been left for individual mining plan.
- Commitment to follow Sustainable Sand Mining Guidelines 2020 needs to be reiterated.
- There exists scope for improvement in DSR at time of revision using latest technology

#### **DISTRICT SURVEY REPORT (DSR) OF NAWARANGPUR DISTRICT:**

- DSR has been prepared by DEIAA Nowrangpur District based on information provided by Field Functionaries of District. It has not been prepared by NABET accredited consultant.
- Production and Revenue data for last five years from 2016-2017 to 2020-2021 have been furnished.
- Satellite imagery, Aerial Photography, and other latest technology have not been used in DSR preparation.
- Replenishment study in case of sand mining, mine closure in case of other minor minerals have not been mentioned in DSR. It has been left for individual mining plan.
- Commitment to follow Sustainable Sand Mining Guidelines 2020 needs to be reiterated.

- There exists scope for improvement in DSR at time of revision using latest technology.

#### **G. APPRAISAL OF 17 NOS. OF REPLENISHMENT STUDY REPORTS SUBMITTED BY LESSEES OF MINOR MINERALS (SAND MINES)**

A number of proposals of sand mining were granted EC in the previous year with a stipulation to conduct a study of the rate of replenishment of sand in the lease area and submit the report thereof for final fixation of the quantum of permissible extraction of sand. The study was required to be carried out by credible NABET accredited consultant following the methods indicated in the guidelines of MoEF&CC, Govt. of India (of the Years 2016 & 2020). Some of such study reports have been directly submitted to SEIAA, basing on which the lessees have applied for enhancement of the permissible production of sand.

1. The SEAC have gone through the detailed literature survey about "Study on replenishment of River Sand" for considering the replenishment study report submitted by the lessees. The details are given below:

- Replenishment study conducted in various rivers of Odisha such as Subarnarekha, Mahanadi, Chitrotpala, Bhargabi involved volumetric survey by using crude method without any standard references. The crude survey was carried out during pre and post monsoon periods. A few grids of different dimensions were chosen. The levels (RL) and coordinates of the corner point of each grid were taken and demarcated. The changes observed in the elevation during post monsoon with reference to pre monsoon was determined. Volume of replenishment was determined by multiplying the area of the pit with the change in thickness (RL). In some cases, 30-34 pits were considered and the average replenishment was determined. In view of the crudeness of the method, replenishment rate determined in most of the studies may not be relied upon. Alternative methods suggested below could be adapted to make the replenishment study more reliable.

- **Method of Replenishment Study: Volumetric survey method- 1**

- Location of the area should be depicted in survey of India Toposheet(s) giving details of Latitude and Longitudes. Hydrological characteristics of the river should be studied along with details map of the catchment area. First Volumetric Survey should be done in the proposed mining blocks in pre monsoon season. By this method spot RL/level should be marked & mapped and sections should be drawn. For this purpose, RTK GPS or a Total Station may be used to fix the coordinates of the mining lease area. Further, RTK GPS/ Total station can be used along the periphery of the lease area as well as at some points within the lease area. The elevation of all the points should be determined with reference to a standard benchmark elevation from which the average elevation can be determined. The mining lease area may be determined from the RTK GPS observations at the four points of the boundary and some points along the periphery. The mining lease area may be divided into two or three sections depending on the total length and width of the lease area. Thereafter, sections should be drawn.
- The survey exercise should be repeated during post monsoon and then the elevation and mining lease area and the sections should be drawn for the post monsoon season. Both the sections (pre-monsoon and post-monsoon) should be superimposed and volume should be computed as given below. River bed

elevation may be divided into a few vertical sections, number depends on the length of the lease area, for measurement of replenishment.

**Mining lease area (in sq meter): A**

**Average elevation of the lease area w.r.t a standard benchmark during pre-monsoon= B meter**

**Average elevation of the lease area w.r.t a standard benchmark during post - monsoon= C meter**

**Difference in Elevation (D) = C-B meter.**

**Volume "V" (Cubic Meter)= AxD**

**Estimated annual replenishment "AR"( in tonnes)=Vx Bulk density of sand(1.6)**

Since AR is the annual replenishment, this exercise should be carried out every year for the duration of the lease period.

Estimated reserve as per approved mining plan "ER" in tonnes. Annual Production Capacity"APC" as per approved mining plan in tonnes.

**Percentage of replenishment w.r.t APC.**

If the replenishment is less than APC, then rotational mining may be adapted to compensate the low replenishment rate. Further, extraction activities should be undertaken in the blocks from the upstream side to downstream side to allow movement of water, if any, during monsoon period in the river course.

**Slope Angle to be adopted:** Thickness of the bench should be limited to 3.0 m only and width will be more than the height of the bench. An offset of 7.5 m should be left from the banks and in case of lease boundary. Bank side natural slope will not be disturbed. This will prevent collapse of bank and erosion. However, the height of the bank with respect to river bed may vary from 3.0 to 8.0 m only.

• **Replenishment Study Method -2(better than 1) and most preferable:**

- a) Location of the area should be depicted in survey of India Toposheet(s) giving details of Latitude and Longitudes. Hydrological characteristics of the river should be studied along with details map of the catchment area.
- b) Field data collection: Cross sections (approximately 10-30) along the lease reach of the rivers showing river bed material (RBM) with present elevations should be determined using RTK GPS as in Method 1.
- c) Sand samples from each cross section should be collected and should be sieved to determine the grain size (d10, d30, d50 and d60).
- d) Uniformity coefficient (Cu) and coefficient of curvature (Cc) are to be determined as an input for estimation of sand replenishment of the mining lease area under study.
- e) A few pits (minimum 4-5) of approximately 3 x3x1.5 m dimension be excavated for monitoring of the future/monsoon flow sedimentation.
- f) Remote sensing Study: Latest satellite imagery of CARTOSAT – 1 of National Remote Sensing Centre (NRSC) having a grid of 30 metres and SRTM, NASA at



grid of 80 metres may be used to delineate the watershed area and the DEM relevant to the mining lease area along with computer aided drainage analysis system.

- g) Estimation of catchment yield and bed load transport: The catchment yield may be computed using the Strange's runoff method (Strange's Monsoon runoff curves) for the runoff coefficient. The iso-pluvial maps of IMD may be used for estimation of catchment yield and peak flood discharge for the study area by following standard methods like Dickens, Jarvis, and Rational formula at 25, 50 and 100 years return period. The estimation of bed load transport comprises of use of analytical models namely the Einstein, Meyer Peter and Ackers & White's equation for calculation of bed load transport.
  - h) Record of average annual rainfall (mm) data for at least past 30 years at the nearest meteorological observatory and should be arranged in descending order (Sr no, i.e order no in column 1 and rainfall (mm) in descending order in column 2.
  - i) **Computation of order number(m):  $m = (NXP)/100$ , where, N-is the number of years of rainfall taken into consideration, P-is the dependability percentage(P=50%) Eg. For N=30 and P=50%, m=15.**
  - j) **From the 30 years record of rainfall arranged in descending order, m=15 and hence let the corresponding value of rainfall for m=15 be 1000mm. So P50%= 100cm**
  - k) Average value of Strange's Run off percentage is calculated from Strange's monsoon
  - l) rainfall-runoff curves considering the catchment area as good and the Runoff m)
  - m) % for the area as: Runoff % at 50% dependability of rainfall = 38 % (horizontal line from R in figure 1 and the corresponding value in the Y-axis)
2. The SEIAA, Odisha has forwarded replenishment study report of 17 nos. of sand mining proposals as per **Annexure - F** to SEAC for views. The SEAC have gone through the study reports and opined the following:
- i) After having gone through the detailed literature survey as above, method of replenishment study (Method-2) may be preferred.
  - ii) None of the replenishment study has been conducted as per the method – 2.
  - iii) Out of 15 Reports 10 Reports has been prepared by NABET Accredited EIA Consultants and 5 Reports prepared by approved RQP's.
  - iv) The character of River flow is different in different rivers of Odisha hence the Replenishment in different stretch is likely to defer.
  - v) The method adopted by all the Consultants is digging pit/ Trench and use of GPS (Pre monsoon and post monsoon), Hand held Devices for these studies.
  - vi) Though the simulation study with proper software/ IT infrastructure will provide accurate data, but such support is lacking in State of Odisha. Hence the field survey and physical method of Replenishment study, though crude in nature, may be accepted for time being. However, findings of Replenishment studies have correlation to the production quantity for which EC has been granted. Hence increase/ decrease in production shall be decided as per findings of the study.

- vii) The reports have identified various factors responsible for replenishment of sand but actual technical analysis has not been done.
- viii) Replenishment depends mainly on rainfall, flow of water and its momentum. Although it is a dynamic study, the study outcome can be considered valid in the event of similar rainfall pattern. Further, as suggested Pre and post monsoon study also would be required.
- ix) Replenishment study are river specific and sometime situational and environment clearance can be considered with reference to this study.
- x) While determination method of volume of sand reserve approach seems to be okay, all the data needs to be taken before monsoon and after monsoon to derive the volume following specific method. Further, successive exercise will determine the practical replenishment of sand vis-à-vis forecast made following any model study so that fine tuning of findings can be made subsequently if any.
- xi) On the whole Replenishment study needs to be carried out by professionals having credibility.

  
SECRETARY, SEAC

Approved  
  
17.05.2022  
CHAIRMAN, SEAC

**TABLE**  
**DECISION ON MINOR MINERAL PROJECTS WITH LEASE AREA LESS THAN 5 HA. ON 13.05.2022**

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 <sup>3</sup> )	Recommendation of the SEAC
1.	SIA/OR/MIN/257736/2022	Tahasildar Sonapur (Owner) M/s. Baladi (J) Stone Quarry At/Po- Sonapur, Tahasil-Sonapur, District-Subarnapur, Odisha, 767017	Subarnapur	Stone	Proposal of Environmental Clearance for Baladi (J) Stone Quarry over an area of 2.145 Acres or 0.868 Hectares in village Baladi (J) under Sonapur tahasil of Subarnapur district of Tahasildar, Sonapur - EC	5 Years	Nil (As per checklist)	<ol style="list-style-type: none"> <li>1. Furnished filled in Form-I, pre-feasibility report and check list as endorsed / submitted by the Tahasildar.</li> <li>2. Final DSR has been submitted.</li> <li>3. Topo sheet indicating location of the mine has been furnished.</li> <li>4. EMP has been submitted in cluster approach.</li> <li>5. Mining Plan has</li> </ol>	NO	5000	It is observed that the proposed quarry is adjacent to the existing quarry and part of safety zone overlap with part of existing quarry. Therefore, the SEAC decided to take decision on the proposal after receipt of

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 <sup>3</sup> )	Recommendation of the SEAC
								<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</p>			<p>the following information from the Tahsildar:</p> <p>i) Status of Existing quarry with details of operations carried out.</p> <p>ii) How continuous safety zone will be maintained as part of it overlap with existing quarry?</p>

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 <sup>3</sup> )	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>10. The Tahasildar has furnished Cluster certificate. The Cluster certificate reveals that there is one other mines located within 500 meters from the boundary of the mine.</p>			
2.	SIA/OR/MIN/257/165/2022	Sri Rajat Patra (Owner) M/s. Sargunamunda	Balangir	Sand	Proposal of Environmental Clearance for Sargunamunda	5 Years	Nil (As per checklist)	1. Furnished filled in Form-I, pre-feasibility report and check list as endorsed /	NO	3000	The SEAC recommended to grant EC valid from the date of EC

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 <sup>3</sup> )	Recommendation of the SEAC
		Sand Bed-A At-Brahmanbati, Po-Badabil, Dist: Cuttack, Pin-754018			Sand Bed-A over an area of 10.00 acres or 4.048 hectares in Village Sargunamunda under Tittlagarh Tahasil in Bolangir District Odisha of Sri Rajat Patra - <b>EC</b>			<p>submitted by the Tahasildar.</p> <p>2. Final DSR has been submitted.</p> <p>3. Topo sheet indicating location of the 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</p>			<p>accorded upto the lease period with specific conditions stipulated for sand mine with following additional condition.</p> <p>i) Consent / NoC shall be obtained from the concerned BDO for use of village road for transportation. The said road shall also be</p>

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 <sup>3</sup> )	Recommendation of the SEAC
								<p>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>maintained by the lessee.</p> <p>ii) In view of likely revision of DSR the mention of this deposit with final coordinates to be ensured</p> <p>iii) The sand policy Dtd 2.09.2021 of Govt. Of Odisha to be followed strictly.</p>

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 <sup>3</sup> )	Recommendation of the SEAC
3.	SIA/OR/MIN/257/224/2022	Sri Rashmi Ranjan Patra (Owner) M/s. Sagunamunda Sand Bed-B At- Brahmanbati, Po-Badabil, District-Cuttack, Kantapada, Pin-754018	Balangiri	Sand	Proposal of Environmental Clearance for Sagunamunda Sand Bed-B over an area of 10.00 acres or 4.048 hectare in village Sagunamunda under Titilagarh Tahasil in Balangiri District of Sri Rashmi Ranjan Patra - <b>EC</b>	5 Years	Nil (As per checklist)	<ol style="list-style-type: none"> <li>1. Furnished filled in Form-I, pre-feasibility report and check list as endorsed / submitted by the Tahasildar.</li> <li>2. Final DSR has been submitted.</li> <li>3. Topo sheet indicating location of the mine has been furnished.</li> <li>4. EMP has been submitted.</li> <li>5. Mining Plan has been approved.</li> <li>6. No forest land involved in lease area</li> <li>7. There is no protected areas i.e.</li> </ol>	NO	3000	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 condition.  i) Consent / NoC shall be obtained from the concerned BDO for use of village



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 <sup>3</sup> )	Recommendation of the SEAC
								<p>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>road 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 to be ensured</p> <p>iii) The sand policy Dtd 2.09.2021 of</p>

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 <sup>3</sup> )	Recommendation of the SEAC
											Govt. Of Odisha to be followed strictly.
4.	SIA/OR/MIN/236869/2021	Tahasildar, Aul M/s. Brahmani Nadi Sand At- Aul, Dist: Kendrapara, Pin-754219	Kendrapara	Sand	Proposal of Environmental Clearance for Brahmani Nadi Sand Nuapada over an area of 12.00 Acres 4.856 hect. in Village- Nuapada under Aul Tahasil of Kendrapara district of Tahasildar, Aul - <b>EC</b>	5 Years	Nil (As per checklist)	<ol style="list-style-type: none"> <li>1. Furnished filled in Form-I, pre-feasibility report and check list as endorsed / submitted by the Tahasildar.</li> <li>2. Final DSR has been submitted.</li> <li>3. Topo sheet indicating location of the mine has been furnished.</li> <li>4. EMP has been submitted.</li> <li>5. Mining Plan has been approved.</li> <li>6. No forest land</li> </ol>	NO	500	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 condition.  i) Consent / NoC shall be obtained from the

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 <sup>3</sup> )	Recommendation of the SEAC
								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 by CPCB etc. located within 5 km radius of the mine lease area. 8. There is no court case / litigation pending.			concerned BDO for use of village road 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 to be ensured

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 <sup>3</sup> )	Recommendation of the SEAC
											iii)The sand policy Dtd 2.09.2021 of Govt. Of Odisha to be followed strictly.
5.	SIA/OR/MIN/256477/2022	Sri Benudhar Pradhan (Lessee) M/s. Dakadhola Sand Quarry At/Po/Ps- Fategarh Dist- Nayagarh, Odisha	Nayagarh	Sand	Proposal of Environmental Clearance for Dakadhola Sand Quarry over an area of 10.79acres or 4.37 ha is located in village Dakadhola, Tahasil- Nuagaon in Nayagarh district of Sri	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.	NO	3762	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 condition.

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 <sup>3</sup> )	Recommendation of the SEAC
					Benudhar Pradhan - EC			<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 case / litigation pending.</p>			<p>i) Consent / NoC shall be obtained from the concerned BDO for use of village road 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>

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 <sup>3</sup> )	Recommendation of the SEAC
											with final coordinates to be ensured  iii)The sand policy Dtd 2.09.2021 of Govt. Of Odisha to be followed strictly.
6.	SIA/OR/MIN/261465/2022	Sri Jani Venkata Rao M/s. Penguda Sand Bed Village - Penguda, Tahasil - Gunpur, Dist.- Rayagada,	Rayagada	Sand	Proposal of Environmental Clearance for Penguda Sand Bed over an area of 12.35 acres or 4.997 ha is located in village Penguda,	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	NO	Increase in production from 4200cum/ annum to 62034cum/ annum  4200cum/ Annum is the annual production	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

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 <sup>3</sup> )	Recommendation of the SEAC
		Pin-765022			Tahasil – Gunupur in Rayagada district of Sri Jani Venkata Rao - <b>EC</b>			<p>of the 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</p>		mentioned in EC Letter with 1 m depth	<p>following additional condition.</p> <p>i) Consent / NoC shall be obtained from the concerned BDO for use of village road for transportation. The said road shall also be maintained by the lessee.</p> <p>ii) In view of likely</p>

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 <sup>3</sup> )	Recommendation of the SEAC
								mine lease area. 8. There is no court case / litigation pending.			revision of DSR the mention of this deposit with final coordinates to be ensured  iii) The sand policy Dtd 2.09.2021 of Govt. Of Odisha to be followed strictly.  iv) The sand carrying vehicles will pass through a



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 <sup>3</sup> )	Recommendation of the SEAC
											private land. The PP shall make an agreement in non-judicial paper following due procedure for using their land for this purpose for the mining period.
7.	SIA/OR/MIN/251390/2022	Tahasildar Malkangiri (Owner) M/s. Chidupali	Malkangiri	Sand	Proposal of Environmental Clearance for Chidupali Sand	5 Years	Nil (As per checklist)	1. Furnished filled in Form-I, pre-feasibility report and check list as	NO	730	The SEAC recommended to grant EC valid from the

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 <sup>3</sup> )	Recommendation of the SEAC
		Sand Bed-B At: Tahasildar, Malkangiri Dist: Malkangiri Pin: 764045			Bed-B over an area 12.182 Acres or 4.930 Hectare in Chidupali village of Malkangiri Tahasil in Malkangiri district of Tahasildar Malkangiri - <b>EC</b>			<p>endorsed / submitted by the Tahasildar.</p> <p>2. Final DSR has been submitted.</p> <p>3. Topo sheet indicating location of the 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,</p>			<p>date of EC accorded upto the lease period with specific conditions stipulated for sand mine with following additional condition.</p> <p>i) Consent / NoC shall be obtained from the concerned BDO for use of village road for transportation. The said road shall</p>

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 <sup>3</sup> )	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>8. There is no court case / litigation pending.</p>			<p>also be maintained by the lessee.</p> <p>ii) In view of likely revision of DSR the mention of this deposit with final coordinates to be ensured</p> <p>iii) The sand policy Dtd 2.09.2021 of Govt. Of Odisha to be followed strictly.</p>

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 <sup>3</sup> )	Recommendation of the SEAC
8.	SIA/OR/MIN/251933/2022	Tahasildar, Jamankira (Owner) M/s. Kuilarijore Stone Quarry-II At/Po- Kuilarijore, Jamankira, Dist:Sambalpur, Pin-768107	Sambalpur	Stone	Proposal of Environmental Clearance for Kuilarijore Stone Quarry-II over an area 11.68 acres or 4.726 Hec in Kuilarijore village of Jamankira tahasil in Sambalpur district of Tahasildar, Jamankira - <b>EC</b>	5 Years	Nil (As per checklist)	<ol style="list-style-type: none"> <li>1. Furnished filled in Form-I, pre-feasibility report and check list as endorsed / submitted by the Tahasildar.</li> <li>2. Final DSR has been submitted.</li> <li>3. Topo sheet indicating location of the mine has been furnished.</li> <li>4. EMP has been submitted in cluster approach.</li> <li>5. Mining Plan has been approved.</li> <li>6. No forest land involved in lease area</li> <li>7. There is no</li> </ol>	NO	1080	<p>The SEAC recommended to grant EC valid from the date of EC accorded upto the lease period with following additional condition.</p> <p>i) Consent / NoC shall be obtained from the concerned BDO for use of village road for transportation. The said road shall</p>

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 <sup>3</sup> )	Recommendation of the SEAC
								<p>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 reveals that the lease area</p>			<p>also be maintained by the lessee.</p> <p>ii) In view of likely revision of DSR the mention of this deposit with final coordinates to be ensured.</p>

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 <sup>3</sup> )	Recommendation of the SEAC
								is not included in the DLC list. 10. The Tahasildar has furnished Cluster certificate. The Cluster certificate reveals that there is one other mines located within 500 meters from the boundary of the mine.			
9.	SIA/OR/MIN/264 253/2022	Tahasildar, Jharsuguda (Owner) M/s Sripura Sand Bed – B Tahasildar, Jharsuguda Near	Jharsuguda	Sand	Proposal of Environmental Clearance for Sripura Sand Bed-B over an area 12.00 acres or 4.856 ha in village	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	NO	15000	The SEAC recommended to grant EC valid from the date of EC accorded upto the lease period with specific

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 <sup>3</sup> )	Recommendation of the SEAC
		Collectorate PS/Dist- Jharsuguda Pin-768204			Sripura under Sripura Panchayat in Jharsuguda Tahasil of Jharsuguda District of Tahasildar, Jharsuguda - <b>EC</b>			<p>been submitted.</p> <p>3. Topo sheet indicating location of the 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</p>			<p>conditions stipulated for sand mine with following additional condition.</p> <p>i) Consent / NoC shall be obtained from the concerned BDO for use of village road for transportation. The said road shall also be maintained by the lessee.</p>

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 <sup>3</sup> )	Recommendation of the SEAC
								<p>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>ii) In view of likely revision of DSR the mention of this deposit with final coordinates to be ensured</p> <p>iii) The sand policy Dtd 2.09.2021 of Govt. Of Odisha to be followed strictly.</p>
10.	SIA/OR/MIN/260909/2022	Sri Rajesh Kumar Pradhan (Owner)	Sambalpur	Stone	Proposal of Environmental Clearance for Tandabira	5 Years	Nil (As per checklist)	1. Furnished filled in Form-I, pre-feasibility report and check list as endorsed /	NO	900	The SEAC recommended to grant EC valid from the date of EC



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 <sup>3</sup> )	Recommendation of the SEAC
		M/s. Tandabira Stone Quarry At-Tandabira Po-Daincha Dist-Sambalpur Pin: 768106			Stone Quarry over an area 7.82 acres or 3.164 ha in Village Tandabira under Daincha Panchayat in Naktideul Tahasil of Sambalpur District of Sri Rajesh Kumar Pradhan - <b>EC</b>			<p>submitted by the Tahasildar.</p> <p>2. Final DSR has been submitted.</p> <p>3. Topo sheet indicating location of the mine has been furnished.</p> <p>4. EMP has been submitted in cluster approach.</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,</p>			<p>accorded upto the lease period with following additional condition.</p> <p>i) Consent / NoC shall be obtained from the concerned BDO for use of village road for transportation. The said road shall also be maintained by the lessee.</p>

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 <sup>3</sup> )	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>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</p>			ii) In view of likely revision of DSR the mention of this deposit with final coordinates to be ensured.

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 <sup>3</sup> )	Recommendation of the SEAC
								certificate. The Cluster certificate reveals that there is one other mines located within 500 meters from the boundary of the mine.			

Chairman, SEAC

**TABLE**  
**DECISION ON MINOR MINERAL PROJECTS WITH LEASE AREA LESS THAN 5 HA. ON 13.05.2022**  
**(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/OR/MIN/245745/2021	Rajlaxmi Construction s Ltd M/s. Ainlajore Morrum Quarry At: Plot no-164, 2nd Floor, New Industrial Estate, Dist-Cuttack, Pin-754021	Kalahandi	Morrum	Proposal of Environmental Clearance for Ainlajore Morrum Quarry over an area of 1.70 Acres or 0.687 Hea. in village Ainlajore under Dharamgarh Tahsil of Kalahandi district of M/s. Rajlaxmi Constructions Ltd - EC	01.02.2022	In DSR lease area is 0.404ha. While in EC applied for 0.687. Specify the reason behind mismatch of area in DSR and Mining plan as requested by SEIAA.	Yes, Tahasildar has replied that In DSR lease area is 0.404ha. It is requested to rectify the lease area 0.687ha. in DSR.	The SEAC recommended to grant EC valid from the date of EC accorded upto the lease period with following additional condition.  i) Consent / NoC shall be obtained from the concerned BDO for use of village road for transportation. The said road shall also be maintained by the lessee.  ii) In view of

Proceedings of SEAC meeting (Minor Mineral – Clarification received) held on 13.5.2022

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		
									likely revision of DSR the mention of this deposit with final coordinates to be ensured.
2.	SIA/OR/MIN/251684/2022	Tahasildar Pattamundai (Owner) M/s. Penthapal Amrutamanohi Brahmani Nadi Sand At: Pattamundai, Dist - Kendrapara Pin: 754215	Kendrapara	Sand	Proposal of Environmental Clearance for Penthapal Amrutamanohi Brahmani Nadi Sand over an area of 8.20acres or 3.318 ha is located in village Penthapal Amrutamanohi, Tahasil- Pattamundai in Kendrapara district of Tahasildar Pattamundai - <b>EC</b>	12.04.2022	a) Copy of mining plan as no mining plan submitted b) Depth of mining as depth of mining not indicated c) How annual production of 6100 m <sup>3</sup> arrived at? d) Rate of replenishment as Rate of Replenishment not indicated.	Yes, copy attached. Yes, Depth of mining is mentioned is mentioned in pg-7 i.e. 1meter. As per the approved mining plan and MGQ fixed by the competent authority, annual production arrived at 6100m <sup>3</sup> . Rate of replenishment is indicated in Pg-7 & 8.	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 condition. i) Consent / NoC shall be obtained from the concerned BDO for use of village road for transportation.

Proceedings of SEAC meeting (Minor Mineral – Clarification received) held on 13.5.2022

SI. 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>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 to be ensured</p> <p>iii) The sand policy Dtd 2.09.2021 of Govt. Of Odisha to be followed strictly.</p>
3.	SIA/OR/MIN/245501/2021	Sri Jugal Kishore Mishra (Owner) M/s. Jankia Morrum Quarry-1	Nayagarh	Morrum	Proposal of Environmental Clearance for Jankia Morrum Quarry-1 over an area of 4.00 Acres or 1.618 hectares in	12.04.2022	The kissam of land is Gochar. No document furnished regarding de-reservation of Gochar land. Besides after closure of mine area shall be developed as pasture. An undertaking	Yes, Tahasildar Ranpur had submitted an undertaking that the proposed quarry will be settled for long term lease after de-reservation of Kissam Gochar Land.	The SEAC recommended to grant EC valid from the date of EC accorded upto the lease period with following additional

Proceedings of SEAC meeting (Minor Mineral – Clarification received) held on 13.5.2022

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/Po/Ps-Ranpur, Dist: Nayagarh, Pin-752026			village Jankia of Ranapur Tahasil of Nayagarh District of Sri Jugal Kishore Mishra - <b>EC</b>		in respect is reqd.		condition.  i) Consent / NoC shall be obtained from the concerned BDO for use of village road for transportation. The said road shall also be maintained by the lessee.  ii) The mining activity shall be commenced after de-reservation of Gochar kissam land as per undertaking submitted by the proponent.  iii) In view of likely revision of DSR the mention of this deposit with

Proceedings of SEAC meeting (Minor Mineral – Clarification received) held on 13.5.2022

Environmental Scientist, SEAC

SI. 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		
									final coordinates to be ensured

**Chairman, SEAC**

Proceedings of SEAC meeting (Minor Mineral – Clarification received) held on 13.5.2022



**ANNEXURE-C****DETAILS OF NEW PROPOSALS (ToR) RECEIVED FROM SEIAA, ODISHA**

Sl. No.	Online File No.	Proposals
1)	SIA/OR/MIN/740 17/2022	Proposal for TOR of Dumangdiri Stone Quarry-4 area is over 33.25 Acres or 13.456 Hectares. having Khata no. 72, Plot no. 663In village Dumangdiri, Tahasil Panposh, District Sundargarh of Sri Akshaya Praharaj.
2)	SIA/OR/MIN/744 86/2022	Proposal for TOR of Dumangdiri Stone Quarry -III area is over 50.32 Acres or 20.364 Hectares. bearing Khata no. 72Plot no. 262 In village Dumangdiri, Tahasil Panposh, District Sundargarh of M/s. Starlight Infra (P) Ltd.
3)	SIA/OR/MIN/724 21/2022	Proposal for TOR of Kamarei Sand Quarry over an area of 4.65 hectares in village Kamarei in Kaniha Tahasil of Angul District submitted under cluster approach with total cluster area 6.75 ha with consisting of 2 sand quarries of Sri Sujit Pradhan.
4)	SIA/OR/MIN/730 03/2022	Proposal for TOR of Narayanpur Stone Quarry over an area of 11.743 acres or 4.7522 Ha bearing khata No. 424, Plot No. 131 in the village Narayanpur, Tahasil Konisi, District Ganjam, State Odisha submitted under cluster approach with total cluster area 22.974 ha with consisting of 6 stone quarries of Sri Ajay Agarwal.
5)	SIA/OR/MIN/738 35/2022	Proposal for TOR of Narayanpur Stone Quarry over an area of 12.00 acres or 4.856 Ha bearing Khata No. 424, Plot No. 154/P in the village Narayanpur, Tahasil Konisi, District Ganjam, State Odisha submitted under cluster approach with total cluster area of 22.974 Ha. Consisting of 6 stone quarries of Sri Ajay Agarwal.
6)	SIA/OR/MIN/738 38/2022	Proposal for TOR of Narayanpur Stone Quarry over an area of 10.43 acres or 4.2208 Ha bearing Khata No. 424, Plot No. 154/P in the village Narayanpur, Tahasil Konisi, District Ganjam, State Odisha submitted under cluster approach with total cluster area of 22.974 Ha consisting of 6 stone quarries of Sri Ajay Agarwal.
7)	SIA/OR/MIN/749 23/2022	Proposal for TOR of Salesingh Stone Quarry over an area of 12.35 acres or 4.997 hectares in village Salesingh,Tahasil Maneswar, District Sambalpur, State Odisha submitted under cluster approach with total cluster area 14.103 ha consisting of two Stone Quarries of Sri Kanchan Das.
8)	SIA/OR/MIN/749 52/2022	Proposal for TOR of Salesingh Stone Quarry over an area of 22.50 acres or 9.106 hectares in village Salesingh,Tahasil Maneswar, District Sambalpur, State Odisha submitted under cluster approach with total cluster area 14.103 ha consisting of two Stone Quarries of Sri Nihar Das.
9)	SIA/OR/MIN/653 02/2021	Proposal for TOR of Tumkela Sand Bed over an area of 16.00 acres or 6.475 Hectares in village Tumkela under Rourkela Tahasil of Sundargarh District of Smt Rajashree Behera.
10)	SIA/OR/MIN/730 04/2022	Proposal for TOR of Patpali Stone Quarry area is over 12.50 Acres or 5.06 Hectares. In village Patpali, Tahasil Maneswar, District Sambalpur of Sri Raj Agarwal.
11)	SIA/OR/MIN/761 04/2022	Proposal for TOR of Sribana Sand Bed (under total cluster area - 17.047 ha.) over an area of 17.00acres/ 6.880Ha. located in village - Sribana, Tahasil - Ganjam in District – Ganjam of Sri Sarat Behera.

Sl. No.	Online File No.	Proposals
12)	SIA/OR/MIN/761 11/2022	Proposal for TOR of Bahalpur Sand Bed (under total cluster area - 17.047 ha.) is a sand mining project over an area of 12.50acres/ 5.058Ha. located in village - Bahalpur, Tahasil - Ganjam in District – Ganjam of Sri Sarat Behera.
13)	SIA/OR/MIN/762 28/2022	Proposal for TOR of Alliabad Sand Bed over an area of 12.50acres/ 5.058Ha. located in village - Alliabad, Tahasil - Ganjam in District – Ganjam of Sri Krupa Muduli.
14)	SIA/OR/MIN/740 36/2022	Proposal for TOR of Ambapua Sand Bed over an area of 15.758 acres or 6.377 Ha having Khata No. 694, Plot No. 01, 71, 71/2179 & 1289 in the village Ambapua, Tahasil Bellaguntha in District Ganjam of Sri Sunil Mohanty.
15)	SIA/OR/MIN/761 44/2022	Proposal for TOR of Badamadhapur Sand quarry over an area of 15.00acres/ 6.070 Ha. located in village - Badamadhapur, Tahasil - Chatrapur in District – Ganjam of Sri Prakash Mishra.
16)	SIA/OR/MIN/761 76/2022	Proposal for TOR of Baranga Sand quarry over an area of 15.00acres/ 6.070 Ha. located in village - Baranga, Tahasil - Chatrapur in District – Ganjam of Sri Prakash Mishra.
17)	SIA/OR/MIN/748 58/2022	Proposal for TOR of Jamunanaki Sand Bed-II area is over 16.10 acres or 6.515 Hectares in Village Jamunanaki, Tahasil Panposh,Kuarmunda, District Sundargarh submitted under cluster approach with total cluster area 13.394 ha consisting of 2 sand quarries of Sri Shankar Pujhari.
18)	SIA/OR/MIN/760 98/2022	Proposal for TOR of Kanimul Mahanadi River Sand Sairat over an area of 13.00 acre or 5.26 hectare in village Kanimul under Tirtol Tahasil of Jagatsinghpur District of Sri Raj Mohanty.
19)	SIA/OR/MIN/714 64/2022	Proposal for TOR of Olagada tartol Mahanadi Sand sairat, over an area 8.09 ha. khata no- 377 & 336, plot no- 1270 & 1123 at-Olagada & Tartol, Tahasil- Tirtol, Dist- Jagatsinghapur of Sri Sagar Ray
20)	SIA/OR/MIN/763 23/2022	Proposal for TOR of Potlampur Sand quarry over an area of 15.00acres/ 6.070 Ha. located in village - Potlampur , Tahasil - Chatrapur in District -Ganjam of Odisha
21)	SIA/OR/MIN/763 26/2022	Proposal for TOR of Hansapur Sand Quarry (under total cluster area– 17.047ha.) over an area of 12.625acres/5.109Ha. located in village - Hansapur, Tahasil - Chatrapur in District - Ganjam of Odisha
22)	SIA/OR/MIN/763 74/2022	Proposal for TOR of Kadambiriguda Sand Quarry over an area of 14.550 acres or 5.888hectares bearing Khata No. 10, Plot No. 71 in the village Kadambiriguda, under Tahasil Rayagada, District Rayagada, State Odisha

**ANNEXURE-D****DETAILS OF PROPOSALS (Modification of EC) RECEIVED FROM SEIAA, ODISHA**

<b>Sl. No.</b>	<b>Online File No.</b>	<b>Proposals</b>	<b>Recommendations of SEAC</b>
1)	SIA/OR/MIS/26 1370/2022	<p>Application of M/s D.N. Homes Pvt. Ltd. for Modification of EC of proposed construction of “Residential Colony Project” over an area 12,439.93 sqmt. With total built up area 71,876.70sq.mt at Mouza Madanpur, Tahasil-Bhubaneswar, Dist – Khorda of Sri. Ratnamala Swain (Director).</p> <p>➤ <b>Amendment for change in address for correspondence from “Mouza – Sundarpur, Dist – Khordha” to “Plot No. 15, VIP Colony, IRC village, Bhubaneswar” as requested by the project proponent.</b></p>	<p>The Committee recommended for amendment in Environmental Clearance for change in address for correspondence from “Mouza – Sundarpur, Dist – Khordha” to “Plot No. 15, VIP Colony, IRC village, Bhubaneswar” as requested by the project proponent.</p>
2)	SIA/OR/MIN/26 6525/2022	<p>Application for Modification of EC of Cluster - 5 Mines which constitutes Dankari, Barada &amp; Baraman Hillocks over a mining lease area of 98.42Ha. located in Dankari, Barada &amp; Baraman, Tahasil – Dharmasala, District – Jajpur.</p> <p>➤ <b>Amendment is required for the change in pillar co-ordinate of the lease cluster. The co-ordinate of the area modified as per the present survey report by the RQP and Revenue Inspector. (Change in pillar co-ordinate from Latitude: 20°46'20.34"N - 20°47'22.92"N to Latitude: 20°46'20.37"N - 20°47'22.92"N)</b></p>	<p>The Committee recommended for change in pillar co-ordinate from Latitude: 20°46'20.34"N - 20°47'22.92"N to Latitude: 20°46'20.37"N - 20°47'22.92"N as per application for Modification of EC of Cluster - 5 Mines which constitutes Dankari, Barada &amp; Baraman Hillocks over a mining lease area of 98.42Ha. located in Dankari, Barada &amp; Baraman, Tahasil – Dharmasala, District – Jajpur.</p>

**ANNEXURE -E****08 nos. of Minor Mineral Proposals for re-examination by SEAC**

Sl. No.	Proposal Category	Online File No.	Name of the Applicant/ Project Proponent	Title of the proposal	Decision taken by SEAC	Observations / Decisions of 73rd Meeting of SEIAA, Odisha dated 10.03.2022 at 11.00 A.M.
1.	B1, EC	SIA/OR/MIN/54693/2020	Sri. Prafulla Kumar Sahoo	Proposal for EC of Kathajodi River Sand Quarry, Unit-37, Badambadi sand mine on river Kathajodi over an area of 5.06 Ha/ 12.50 Acre in village-Unit-37 of Badambadi, Tahasil- Sadar Cuttack, Tahasil- Cuttack (ToR issued- 9650/SEIAA dated 19.11.2020)	<p>The SEAC recommended the proposal for EC in its meeting held on 18.02.2022 with some specific conditions as follows:</p> <p>a) Revised mining plan shall be prepared based on essential physical criteria as per Enforcement and Monitoring Guidelines for Sand Mining, January 2020 of MoEF&amp;CC, Govt. of India enclosed as <b>Annexure - B.</b></p> <p>b) Regular replenishment study to be conducted and report to be submitted.</p> <p>c) Provision of Bio-toilet shall be made at the site.</p> <p>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 &amp; W.R. Department Government of Odisha as well.</p>	SEAC may be requested to carefully scrutinise the report submitted on study of replenishment rate, and deliberate on the data furnished.

Sl. No.	Proposal Category	Online File No.	Name of the Applicant/ Project Proponent	Title of the proposal	Decision taken by SEAC	Observations / Decisions of 73rd Meeting of SEIAA, Odisha dated 10.03.2022 at 11.00 A.M.
					<p>e) Permission to use public road including Ring road, Cuttack from the appropriate authority including its maintenance.</p> <p>f) Stone patching with plantation in between along the stretch of the bank associated with sand mining and necessary ramp construction shall be made.</p> <p>g) A site visit to be planned in 03 months' time to ensure implementation of agreed measures.</p>	
2.	B1, EC	SIA/OR/MIN/54898/2020	Smt. Chinmayee Muduli	Proposal of Smt. Chinmayee Muduli for EC of Uttampur Sand Bed mines on river Kuakhai over an area of 5.67 Ha/ 14 Acre in village Uttampur (ToR issued-9656/SEIAA dated 19.11.2020)	<p>The SEAC recommended the proposal for EC in its meeting held on 18.02.2022 with some specific conditions as follows:</p> <p>a) Revised mining plan shall be prepared based on essential physical criteria as per Enforcement and Monitoring Guidelines for Sand Mining, January 2020 of MoEF&amp;CC, Govt. of India enclosed as Annexure - B.</p> <p>b) Regular replenishment study to be conducted and report to be submitted.</p> <p>c) Provision of Bio-toilet shall be made</p>	SEAC may be requested to carefully scrutinise the report submitted on study of replenishment rate, and deliberate on the data furnished.

Sl. No.	Proposal Category	Online File No.	Name of the Applicant/ Project Proponent	Title of the proposal	Decision taken by SEAC	Observations / Decisions of 73rd Meeting of SEIAA, Odisha dated 10.03.2022 at 11.00 A.M.
					<p>at the site.</p> <p>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 &amp; W.R. Department Government of Odisha as well.</p> <p>e) Permission to use public road including Ring Road, Cuttack from the appropriate authority including its maintenance.</p> <p>f) Stone patching with plantation in between along the stretch of the bank associated with sand mining and necessary ramp construction shall be made.</p> <p>g) A site visit to be planned in 03 months' time to ensure implementation of agreed measures.</p>	
3.	B1, EC	SIA/OR/MIN/71718/2020	Sri. Rajendra Prasad Singh	Proposal of Sri. Rajendra Prasad Singh for EC of Brahmapur Sand Bed Mines On River Kathajodi Over An Area Of 5.26ha/13acres in	<p>The SEAC recommended the proposal for EC in its meeting held on 18.02.2022 with some specific conditions as follows:</p> <p>a) Revised mining plan shall be prepared based on essential physical criteria as per Enforcement</p>	SEAC may be requested to carefully scrutinise the report submitted on study of replenishment rate, and deliberate on the data furnished.

Sl. No.	Proposal Category	Online File No.	Name of the Applicant/ Project Proponent	Title of the proposal	Decision taken by SEAC	Observations / Decisions of 73rd Meeting of SEIAA, Odisha dated 10.03.2022 at 11.00 A.M.
				Village-Brahmapur, Tahasil- Sadar Cuttack, Tahasil- Cuttack (ToR issued- 9644/SEIAA dated 19.11.2020)	<p>and Monitoring Guidelines for Sand Mining, January 2020 of MoEF&amp;CC, Govt. of India enclosed as Annexure - B.</p> <p>b) Regular replenishment study to be conducted and report to be submitted.</p> <p>c) Since HT line exists within the Lease area, mining need to be done excluding the portion strictly based on the advice of the concerned Electrical Inspector, Government of Odisha to avoid any probability of accident and for safety of human life and livestock as well.</p> <p>d) Provision of Bio-toilet shall be made at the site.</p> <p>e) Avenue plantation and plantation on both sides of the haulage road in consultation with/ on the advice of concerned Forest Department, Government of Odisha &amp; W.R. Department Government of Odisha as well.</p> <p>f) Permission to use public road including Ring Road, Cuttack from the appropriate authority including its maintenance.</p>	

Sl. No.	Proposal Category	Online File No.	Name of the Applicant/ Project Proponent	Title of the proposal	Decision taken by SEAC	Observations / Decisions of 73rd Meeting of SEIAA, Odisha dated 10.03.2022 at 11.00 A.M.
					<p>g) Stone patching with plantation in between along the stretch of the bank associated with sand mining and necessary ramp construction shall be made.</p> <p>h) A site visit to be planned in 6 months' time to ensure implementation of agreed measures.</p>	
4.	B1, EC	SIA/OR/MIN/54874/2020	Sri.Prakash Chandra Rautaray	Proposal of Sri. Prakash Chandra Rautaray for EC of Pratapnagari Sand Bed mines on river Kuakhai over an area of 5.26 Ha/ 13 Acre in village-Pratapnagari, Tahasil - Cuttack Sadar, District- Cuttack (ToR issued-9646/SEIAA dated 19.11.2020)	<p>The SEAC recommended the proposal with some specific conditions as follows:</p> <p>a. Revised mining plan shall be prepared based on essential physical criteria as per Enforcement and Monitoring Guidelines for Sand Mining, January 2020 of MoEF&amp;CC, Govt. of India enclosed as <b>Annexure - B</b>.</p> <p>b. Regular replenishment study to be conducted and report to be submitted.</p> <p>c. Provision of Bio-toilet shall be made at the site.</p> <p>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 &amp; W.R. Department Government of Odisha as well.</p> <p>e. Permission to use public road</p>	SEAC may be requested to carefully scrutinise the report submitted on study of replenishment rate, and deliberate on the data furnished.



Sl. No.	Proposal Category	Online File No.	Name of the Applicant/ Project Proponent	Title of the proposal	Decision taken by SEAC	Observations / Decisions of 73rd Meeting of SEIAA, Odisha dated 10.03.2022 at 11.00 A.M.
					<p>including Ring road, Cuttack from the appropriate authority including its maintenance.</p> <p>f. Stone patching with plantation in between along the stretch of the bank associated with sand mining and necessary ramp construction shall be made.</p> <p>g. A site visit to be planned in 03 months' time to ensure implementation of agreed measures.</p>	
5.	B1, EC	SIA/OR/MIN/54796/2020	Sri. Rajendra Prasad Singh	Proposal of Sri. Rajendra Prasad Singh for EC of Subarnapur Sand Bed Mines on river Kathajodi over an area of 8.30 Ha/20.50Acre in village Subarnapur, Tahasil - Cuttack Sadar, District-Cuttack (ToR issued-9658/SEIAA dated 19.11.2020)	<p>The SEAC recommended the proposal for EC in its meeting held on 19.02.2022 with some specific conditions as follows:</p> <p>a) Revised mining plan shall be prepared based on essential physical criteria as per Enforcement and Monitoring Guidelines for Sand Mining, January 2020 of MoEF&amp;CC, Govt. of India enclosed as Annexure - B.</p> <p>b) Regular replenishment study to be conducted and report to be submitted.</p> <p>c) Provision of Bio-toilet shall be made at the site.</p> <p>d) Avenue plantation and plantation on</p>	SEAC may be requested to carefully scrutinise the report submitted on study of replenishment rate, and deliberate on the data furnished.

Sl. No.	Proposal Category	Online File No.	Name of the Applicant/ Project Proponent	Title of the proposal	Decision taken by SEAC	Observations / Decisions of 73rd Meeting of SEIAA, Odisha dated 10.03.2022 at 11.00 A.M.
					<p>both sides of the haulage road in consultation with/ on the advice of concerned Forest Department, Government of Odisha &amp; W.R. Department Government of Odisha as well.</p> <p>e) Permission to use public road including Ring Road, Cuttack from the appropriate authority including its maintenance.</p> <p>f) Stone patching with plantation in between along the stretch of the bank associated with sand mining and necessary ramp construction shall be made.</p> <p>g) A site visit to be planned in 03 months' time to ensure implementation of agreed measures.</p>	
6.	B1, EC	SIA/OR/MIN/54830/2020	Sri. Chinmayee Muduli	Proposal of Sri. Chinmayee Muduli for EC of Silpapuri Sand Bed Mines on river Kathajodi over an area of 5.06 Ha/12.50 Acre in village Unit-39, Silpapuri, Tahasil - Cuttack Sadar, District-Cuttack (ToR issued-	<p>The SEAC recommended the proposal for EC in its meeting held on 19.02.2022 with some specific conditions as follows:</p> <p>a) Revised mining plan shall be prepared based on essential physical criteria as per Enforcement and Monitoring Guidelines for Sand Mining, January 2020 of MoEF&amp;CC,</p>	SEAC may be requested to carefully scrutinise the report submitted on study of replenishment rate, and deliberate on the data furnished.

Sl. No.	Proposal Category	Online File No.	Name of the Applicant/ Project Proponent	Title of the proposal	Decision taken by SEAC	Observations / Decisions of 73rd Meeting of SEIAA, Odisha dated 10.03.2022 at 11.00 A.M.
				9662/SEIAA dated 19.11.2020)	<p>Govt. of India enclosed as Annexure - B.</p> <p>b) Regular replenishment study to be conducted and report to be submitted.</p> <p>c) Provision of Bio-toilet shall be made at the site.</p> <p>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 &amp; W.R. Department Government of Odisha as well.</p> <p>e) Permission to use public road including Ring Road, Cuttack from the appropriate authority including its maintenance.</p> <p>f) Stone patching with plantation in between along the stretch of the bank associated with sand mining and necessary ramp construction shall be made.</p> <p>g) A site visit to be planned in 03 months' time to ensure implementation of agreed measures.</p>	

Sl. No.	Proposal Category	Online File No.	Name of the Applicant/ Project Proponent	Title of the proposal	Decision taken by SEAC	Observations / Decisions of 73rd Meeting of SEIAA, Odisha dated 10.03.2022 at 11.00 A.M.
7.	B1, EC	SIA/OR/MIN/50636/2020	Pranakrushna Nayak	Sidhua River Jaripada Sand Quarry over an area of 25.00 Acre or 10.11 Ha in village Jaripada under Sadar Tahasil of Cuttack district Odisha	The SEAC recommended in its meeting held on 25.02.2022 for grant of Environmental Clearance with stipulated conditions as per Annexure – F and following specific condition: 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.	Proper mention of this source and its potential has to be there in the DSR, and cluster certificate is to be submitted. Rate of replenishment study report may be rechecked by SEAC and its authenticity may be commented upon.
8.	B1, EC	SIA/OR/MIN/69128/2021	Tahasildar, Biridi	Proposal for River Sand Mining of 14440 Cum/Annum over Madhyasasan Sand Quarry (ML area 5.99 ha.) at Village Madhyasasan, Tahasil-Biridi, Dist-Jagatsinghpur	The SEAC recommended in its meeting held on 25.02.2022 for grant of Environmental Clearance with stipulated conditions as per Annexure – H and following specific condition: 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.	SEAC may re-examine the replenishment study report. The other data furnished in the application are also inconsistent.

**CONSIDERATION OF 17 NOS. OF REPLENISHMENT STUDY REPORTS  
SUBMITTED BY LESSEES OF MINOR MINERALS (SAND MINES)**

<b>Sl. No.</b>	<b>File No.</b>	<b>Proposal</b>
1.	SIA/OR/MIN/25 3873/2022	Proposal of Environmental Clearance for Ambakuruchi Sand Bed over an area of 7.40 acres or 2.99 hectares in village Ambakuruchi Tahasil Basta in Balasore District.
2.	SIA/OR/MIN/25 4279/2022	Proposal of Environmental Clearance for Dhithpura Sand Bed over an area of 12.35 acres or 5.00 Hectares in village Dhithpura under Basta Tahasil in Balasore District.
3.	SIA/OR/MIN/25 4273/2022	Proposal of Environmental Clearance for Kadarayan Sand Bed over an area of 12.35 acres or 5.00 Hectares in village Kadarayan under Basta Tahasil in Balasore District.
4.	SIA/OR/MIN/25 4259/2022	Proposal of Environmental Clearance for Devog Sand Bed over an area 12.35 acres or 5.00 Hectares in village Devog under Basta Tahasil in Balasore District.
5.	SIA/OR/MIN/22 1007/2021	Proposal of Environmental Clearance for River Block (Kha) Sand Bed over an area of 13.00 acres or 5.261 hectares in village River Block under Jaleswar Tahasil District Mayurbhanj.
6.	SIA/OR/MIN/22 0819/2021	Proposal of Environmental Clearance for River Block-Ka Sand Bed over an area of 14.00 acres or 5.665 hectares in village River Block under Jaleswar Tahasil District Mayurbhanj District Odisha of Sri Sujay Kumar Karan.
7.	SIA/OR/MIN/25 6354/2022	Proposal of Environmental Clearance for Amendment in EC of Brahmapura Sand Quarry over an area of 12.35 acres or 5.00 Ha, At village-Brahmapura, Tahasil-Narasinghpur, Dist-Cuttack.
8.	SIA/OR/MIN/25 6206/2022	Proposal for amendment in EC of Bhargabi river Sand Quarry, Somanasasan over an area of 12.00 acres or 4.856 ha, at village-Somanasasan, Tahasil - Balipatna, Dist - Khordha.
9.	SIA/OR/MIN/25 6188/2022	Proposal for amendment in EC of Bhargavi Sand Quarry, Achyutpur over an area of 12.00 acres or 4.86 ha, at village - Achyutpur, Tahasil -Balipatna, Dist- Khordha.
10.	SIA/OR/MIN/25 5937/2022	Proposal for Amendment in EC of Guali Chitrotpala Sand Quarry over an area of 12.35 Acres or 5.00 Ha at village-Guali, Tahasil-Kishannagar, Dist-Cuttack, Odisha of Sri Patitapabana Swain.
11.	SIA/OR/MIN/25 5906/2022	Proposal for Amendment of EC for Murkundi Chitrotpala Sand Quarry over an area of 12.35 Acres or 5.00 Ha at village Murkundi, Tahasil-Kishannagar, Dist-Cuttack, Odisha of Sri Patitapabana Swain
12.	SIA/OR/MIN/25 5783/2022	Proposal for amendment in EC of Uttarkul Chitrotpala Sand Quarry over an area of 12.35 acres or 5.00 hectares at village- Uttarkul, Tahasil-Kishannagar, Dist – Cuttack.
13.	SIA/OR/MIN/25 5672/2022	Proposal for Amendment of EC of Babujang Mahanadi Sand Quarry over an area of 5.00 Ha at village Babujang, Tahasil-Kishannagar, Dist-Cuttack
14.	SIA/OR/MIN/25 6507/2022	Proposal for Amendment in EC of Kulasukarpada-Lokanathpur Sand Quarry over an area of 12.355 acres or 5.00 Hectares At Village-Kulasukarpada-Lokanathpur, Tahasil-Nischintakoili, District-Cuttack
15.	SIA/OR/MIN/25 7468/2022	Proposal for Modification/Amendment of EC for Birupa River Sand, Badabhimrajpur over an area of 10.225 Ac. or 4.138 Ha. in village Badabhimrajpur, Salipur Tahasil, Cuttack District
16.	SIA/OR/MIN/27 0626/2022	Proposal of Modification of EC of Brahmani River Sand Bed, Balipokhari over an area of 2.00 acres or 0.81 Hectares at village-Balipokhari, Tahasil-Jajpur, Dist-Jajpur, Odisha of Sri Santosh Kumar Bardhan
17.	SIA/OR/MIN/27 0043/2022	Proposal of Modification of EC of Budha River Sand Bed, Tipara Quarry over an area of 2.00 Acres or 0.81 Hectares at Village-Tipara, Tahasil-Jajpur, Dist-Jajpur, Odisha of Smt. Sabnam Ara Begum.

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

<b>Sl. No.</b>	<b>Essential Criteria</b>	<b>Reference</b>
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 : $\geq 2.5$ km b) Area of mining lease area in a cluster: $\leq 10$ 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 : $\leq 3$ 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	