

**PROCEEDINGS OF THE MEETING OF STATE LEVEL EXPERT APPRAISAL
COMMITTEE, ODISHA HELD ON 02ND, 03RD & 04TH JULY' 2024**


The SEAC met on 02nd, 03rd & 04th July' 2024 at 04:00 PM in the Conference Hall of Odisha State Pollution Control Board, Bhubaneswar under the Chairmanship of Sri Shashi Paul. The following members were present in the meeting.

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| 1. Sri Shashi Paul | - | Chairman (through VC) |
| 2. Dr. K. Murugesan | - | Member Secretary (through VC) |
| 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. Satpathy | - | Member (through VC) |
| 9. Er. Kumuda Ranjan Acharya | - | Member (through VC) |
| 10. Shri Jayant Kumar Das | - | Member (through VC) |
| 11. Dr. Ashok Kumar Sahu | - | Member (through VC) |
| 12. Dr. K. C. S Panigrahi | - | Member (through VC) |

Draft proceedings of the meeting was finalized by the members through e-mail and 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 MODIFICATION OF EC PROPOSALS – 65 Nos.

The recommendation of SEAC for modification of Environmental Clearance for 65 minor mineral proposals is as per **Annexure - A**.


MEMBER SECRETARY, SEAC



**DECISION ON MINOR MINERAL PROPOSALS (MODIFICATION OF EC) RECEIVED
FROM SEIAA, ODISHA ON 2nd, 3rd & 04th July' 2024**

Sl No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
1.	SIA/OR/MIN/307 515/2023	Proposal of amendment Environmental Clearance for Guhuriamunda-B Stone Quarry over an area of 5.00 acres or 2.02ha. at Village – Guhuriamunda, Tahasil – Patnagarh, Dist – Balangir of Sri Suresh Agrawal	<ol style="list-style-type: none"> 1. Modification of EC for enhancement in production from 3510cum to 6399cum per annum. 2. EC was granted vide letter no. 1151/SEIAA dated 30.03.2021. 3. Approved Mining Plan capacity is 3510(max) cum/year. 4. SEIAA has permitted for 3510 (max) cum/year for stone extraction. 5. Now, the PP applied for amendment of EC application enhancing production capacity from 3150 cum. annum to 6399 cum/annum in the same approved mining plan was approved earlier on 30.03.2021. 	<p>The SEAC recommended to grant EC valid from the date of EC accorded upto the lease period.</p> <p>However, EC shall be granted after submission of satisfactory compliance of following-</p> <ol style="list-style-type: none"> 1. Status of plantation raised as per EMP and its present condition duly certified by local forest department officials. 2. Status of implementation of Garland drains, retention wall and settling tank.

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
2.	SIA/OR/MIN/4721 60/2024	Proposal of amendment Environmental Clearance for Kopia Sand Quarry over an area 12.00Ac or 4.856Hec in Kopia and Hatibandha village under Sinapali tahasil of Nuapada district of Sri Sanjiv Kumar Mishra - Mod EC	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report 2. EC was granted vide letter no. 2986/SEIAA dated 28.09.2021. 3. Transfer EC was granted vide letter no. EC24C0107OR5813474T dated 06.03.2024. 4. Approved Mining Plan capacity is 3808(max) cum/year. 5. SEIAA has permitted for 3800 (max) cum/year for sand extraction, followed by submission of Replenishment Study Report. 6. Both Pre monsoon (30.06.2023) and Post Monsoon (17.10.2023) has been carried out by Drone survey method. 7. Replenished Volume after Post-monsoon Survey-2023 is 3,897 Cum. 8. The replenishment study conducted revealed that the post-monsoon mineable sand reserve is 23,091 cubic meters. 9. The PP has proposed for 3808 cum as per replenishment study. 	<p>The SEAC decided to return the proposal due to following shortcomings in the proposal:</p> <p>Replenishment Study Report is not acceptable due to following reasons-</p> <ol style="list-style-type: none"> 1. Pre and Post monsoon elevation data not given. How average thickness of 1 meter in Pre Monsoon and 1.1 Meter in Post Monsoon is arrived at is not clear. 2. About 66% of lease area for Pre monsoon and about 72% of lease area for Post monsoon has been taken for reserve calculation. After excluding safety zone due to bridge this much area is not available as the upstream distance of lease boundary is about 320 meter from bridge and downstream distance of lease boundary is only about 50 meter. As per EC condition (9.2) 300 meter is the distance of safety zone from the bridge on either side. 3. In the photo attached for post monsoon accuracy level is 3.54 meter which is very high. 4. SEIAA may consider not allowing sand mining in this project due to very less area available for sand mining.

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
3.	SIA/OR/MIN/4722 98/2024	Proposal of amendment Environmental Clearance for Sinapali Sand Quarry over an area 11.50Ac or 4.653Hec in Sinapali village under Sinapali tahasil of Nuapada district of Sri Santosh Kumar Meher - Mod EC	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report 2. EC was granted vide letter no. 2488/SEIAA dated 04.09.2021. 3. Transfer EC was granted vide letter no. EC24C0107OR5310588T dated 08.03.2024. 4. Approved Mining Plan capacity is 6000 (max) cum/year. 5. SEIAA has permitted for 4500 (max) cum/year for sand extraction, followed by submission of Replenishment Study Report. 6. Both Pre monsoon (28.05.2023) and Post Monsoon (10.10.2023) has been carried out by Drone survey method. 7. Replenished Volume after Post-monsoon Survey-2023 is 6823 Cum. 8. The replenishment study conducted revealed that the post-monsoon mineable sand reserve is 21,086 cum. 9. The PP has proposed for 6000 cum as per replenishment study. 	<p>The SEAC observed the following:</p> <ol style="list-style-type: none"> I. The KML file shows good quantity of sand deposits in the lease area. II. Both the Pre monsoon (28.05.2023) and the Post Monsoon survey (10.10.2023) has been carried out by Drone survey method. III. The mRL pictures of both Pre and Post monsoon period is almost same. <p>The SEAC decided to take decision on the proposal after receipt of following information from the Mining Officer:</p> <ol style="list-style-type: none"> a) The methods of calculation from the drone studies to find the Geological/mineable reserve. b) Replenished Volume after Post-monsoon Survey- 2023 is calculated to be 6823 Cum. How it is arrived? Details of pre monsoon and post monsoons readings has not been submitted. <p>The PP has asked for 6000 CUM for the running year. How it is arrived?</p>

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
4.	SIA/OR/MIN/4723 58/2024	Proposal of amendment Environmental Clearance for Palasapada Sand Quarry over an area 11.80Ac or 4.775Hec in Palasapada village under Sinapali tahasil of Nuapada district of Sri Chaturabhujia Meher - Mod EC	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report 2. EC was granted vide letter no. 2587/SEIAA dated 04.09.2021. 3. Transfer EC was granted vide letter no. EC24C0107OR5525556T dated 08.03.2024. 4. Approved Mining Plan capacity is 6230(max) cum/year. 5. SEIAA has permitted for 5000 (max) cum/year for sand extraction, followed by submission of Replenishment Study Report. 6. Both Pre monsoon (22.05.2023) and Post Monsoon (15.10.2023) has been carried out by Drone survey method. 7. Replenished Volume after Post-monsoon Survey-2023 is 6384 Cum. 8. The replenishment study conducted revealed that the post-monsoon mineable sand reserve is 29,954 cum. 9. The PP has proposed for 6230 cum as per replenishment study. 	<p>The SEAC observed the following:</p> <ol style="list-style-type: none"> 1. The leased area covers two village area 2. Both the Pre monsoon (22.05.2023) and the Post Monsoon study (15.10.2023) has been carried out by Drone survey method. 3. The mRL pictures of both Pre and Post monsoon period is shown as same. <p>The SEAC decided to take decision on the proposal after receipt of following information from the Mining Officer:</p> <ol style="list-style-type: none"> a) The methods of calculation from the drone studies to find the Geological/mineable reserve. b) Replenished Volume after Post-monsoon Survey-2023 is calculated to be 6384 cum. How it is arrived? Details of pre monsoon and post monsoons readings, difference in elevation has not been submitted. c) The PP has asked for 6230cum for the running year. How it is arrived?

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
5.	SIA/OR/MIN/472 256/2024	Proposal of amendment Environmental Clearance for Badabalimal Stone Quarry, over an area of 4.78 acres or 1.934ha in Village Badabalimal of Jamankira Tahasil of Sambalpur District of Sri Rajesh Kumar Nayak - Mod EC	<ol style="list-style-type: none"> 1. Modification of EC for enhancement in production from 1008cum to 23394cum per annum for remaining 3 years. 2. EC was granted vide letter no. 2046/SEIAA dated 05.08.2021. 3. Approved Mining Plan capacity is 1008 (max) cum/year. 4. SEIAA has permitted for 1008 (max) cum/year for stone extraction. 5. Proposed modification in road metal is 23394 (max) cum/year. 6. The proposed site doesn't come under DLC land. 	<p>The SEAC observed the following:</p> <ol style="list-style-type: none"> I. In KML & lay out plan, the mine is divided in two parts. II. As per revised mining plan the 70043 CUM stone will be mined for next three years i.e., 23321 CUM per year. III. The OB and mining wastes need to be stacked properly as per the revised MP and PP needs to follow the standard SOP. <p>The SEAC decided to take decision on the proposal after receipt of following information from the Mining Officer:</p> <ol style="list-style-type: none"> I. The proposal is applied under Modification of EC but there is no cover letter attached for what Project Proponent is seeking modification of EC. It is only in Modification of Mining Plan it is written enhancement in production from 1008cum to 23394cum. Submit the cover letter. II. Since, there is huge excavation needs proper precaution for blasting management. Details about blasting management to be followed. III. Year wise production data and plantation data need to be submitted. IV. There is no mention of Garland canal & storm water management in this application. Submit the details with layout plan. V. There are some excavated pits near by the leased area. This shall be clarified.

Proceedings of SEAC meetings held on 2nd, 3rd & 04th JULY 2024

J Nayak
Environmental Scientist, SEAC

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
6.	SIA/OR/MIN/472 362/2024	Proposal of amendment Environmental Clearance for Brahman Gurusi Stone Quarry over an area 5.00Ac or 2.023Ha in village Brahman Gurusi under Bandhugaon tahasil of Koraput district of Sri Manoj Kumar Nayak - Mod EC	<ol style="list-style-type: none"> 1. Modification of EC for enhancement in production from 950cum to 30000cum per annum for remaining 3 years. 2. EC was granted vide letter no. 10246/SEIAA dated 17.12.2020. 3. Approved Mining Plan capacity is 950(max) cum/year. 4. SEIAA has permitted for 950 (max) cum/year for stone extraction. 5. As per the Modified Mining plan, the approved capacity of usable rock mass is 30,000 cum/year for the year 2024-2025 and 2025-2026. 6. The proposed site doesn't come under DLC land. 	<p>The SEAC observed the following:</p> <ol style="list-style-type: none"> 1. In KML file it is seen that there is mining outside the leased area 2. As per the revised mining plan the 60000 cum stone will be mined for next two years i.e., 30,000 CUM per year. 3. The OB and mining wastes need to be stacked properly as per the revised MP and PP needs to follow standard SOP. <p>The SEAC decided to take decision on the proposal after receipt of following information from the Mining Officer:</p> <ol style="list-style-type: none"> i) Since, there is huge excavation needs proper precaution for blasting management. Details about blasting management to be followed. ii) Year wise production data and plantation data need to be submitted. iii) There is no mention of Garland canal & storm water management in this application. Submit the following details with layout plan. iv) There are some mining outside the leased area. This shall be clarified.

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
7.	SIA/OR/MIN/472 369/2024	Proposal of amendment Environmental Clearance for Kataguda Stone Quarry over an area 3.00Ac or 1.214Ha in village Kataguda under Bandhugaon tahasil of Koraput district of Sri Manoj Kumar Nayak - Mod EC	<ol style="list-style-type: none"> 1. Modification of EC for enhancement in production from 889.2cum to 10000cum per annum for remaining 2 years. 2. EC was granted vide letter no. 10244/SEIAA dated 17.12.2020. 3. Approved Mining Plan capacity is 889.2(max) cum/year. 4. SEIAA has permitted for 889.2 (max) cum/year for stone extraction. 5. As per the Modified Mining plan for the year 2023-2025, the approved capacity of usable rock mass is 10,000cum/year for 2023-2024 and 2024-2025. 6. The proposed site doesn't come under DLC land. 	<p>The SEAC observed the following:</p> <ol style="list-style-type: none"> 1. In KML file it is seen that there is a village pond for irrigation at a distance of 133 meter from leased boundary. There is no garland drain seen after 3 years of mining. 2. As per the revised mining plan the 20000cum stone will be mined for next two years i.e., 10,000cum per year which is nearly 11 times the present production. 3. The huge OB and mining wastes need to be stacked properly as per the revised MP and PP needs to follow standard SOP. <p>The SEAC decided to take decision on the proposal after receipt of following information from the Mining Officer:</p> <ol style="list-style-type: none"> i) Since, there is huge excavation needs proper precaution for blasting management. Details about blasting management to be followed. ii) Year wise production data and plantation data need to be submitted. iii) There is no mention of Garland canal & storm water management in this application. Submit the following details with layout plan. iv) In KML file it is seen that there is a village pond for irrigation at a distance of 133 meter from leased boundary. There is no garland drain seen. This shall be clarified.

Proceedings of SEAC meetings held on 2nd, 3rd & 04th JULY 2024

J Nayak
Environmental Scientist, SEAC

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
8.	SIA/OR/MIN/472 588/2024	Proposal of amendment Environmental Clearance for Baruda Sand Bed over an area of 6.015 acres or 2.434 hectares bearing Khata no. - 723, Plot no. - 1617/A in village Baruda, Tahasil Ghumusar(Bhanjanagar), District Ganjam of Sri Aswini Acharya - Mod EC	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report 2. EC was granted vide letter no. EC23B001OR190539 dated 21.02.2023. 3. Approved Mining Plan capacity is 17,000(max) cum/year. 4. SEIAA has permitted for 17,000 (max) cum for 1st year and 4250 cum for 2nd year for sand extraction, followed by submission of Replenishment Study Report. 5. Both Pre monsoon (July, 2023) and Post Monsoon (November, 2023) has been carried out by Drone survey method. 6. Replenishment reserve is 13772 cum and difference in elevation is 0.92m. 7. The PP has proposed for 17,000 cum as per replenishment study. 	The SEAC decided to recommend the proposal as per the Replenishment Study Report with 13772cum of sand subject to modification of Mining Plan.

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
9.	SIA/OR/MIN/4729 21/2024	Proposal of amendment Environmental Clearance for Ketanga Sand Quarry, Ketanga over an area of 15.50 acres or 6.272 hectares in Village Ketanga of Patna Tahasil of Keonjhar District of Sri Bibekananda Dash - Mod EC	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report. 2. EC was granted vide letter no. 3882/SEIAA dated 06.12.2017. 3. Approved Mining Plan capacity is 6267(max) cum/year. 4. SEIAA has permitted for 1570(max) cum/year for sand extraction, followed by submission of Replenishment Study Report. 5. Both Pre monsoon (09.06.2023) and Post Monsoon (06.11.2023) has been carried out by Drone survey method. 6. Average depth of sand replenished is 2.45 m. 7. Volume of sand Replenished in the common safe workable area is 6,836 cum. 8. The PP has proposed for 6836 cum as per replenishment study. 	<p>The SEAC decided to reject the proposal due to the following reasons:</p> <p>Mining plan approved capacity - 6267cum/Yr. SEIAA recommended for 1570 cum/Yr in 1st year. RSR submitted for annual replenishment of 6836cum/annum</p> <ol style="list-style-type: none"> 1. In the KML file the lease area shown on a hill top. 2. The bed width of nallah is measured as 20m from KML file. 3. There is hardly any existence of sand in the nallah to extract 5000cum/yr as seen in kml file. 4. The scanty quantum of sand available should not be disturbed as any extraction may alter the natural river regime. (Already visible alteration seen from kml file) 5. In the RSR the sand replenishment depth is shown as 3.892,3.37m etc. with average depth calculated as 2.45m. 6. Such small rivulet cannot have such deposit with small mountainous catchment. 7. The RSR seems to be erroneous due to lack of accurate data. 8. The sand extraction proposed is of large volume which may have adverse impact on river regime. <p>As the proposed lease area is unsuitable for sand mining due to above mentioned reasons, SEIAA Odisha may decide to revoke the EC.</p>

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
10.	SIA/OR/MIN/4729 78/2024	Proposal of amendment Environmental Clearance for Odhana Sand Quarry over an area of 5.00acres or 2.0235 ha under Bhuban Tahasil of Dhenkanal district of Sri Prava Ranjan Mishra - Mod EC	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report 2. EC was granted vide letter no. 838/SEIAA dated 09.03.2021. 3. Approved Mining Plan capacity is 5000 (max) cum/year. 4. SEIAA has permitted for 5000(max) cum/year for sand extraction, followed by submission of Replenishment Study Report. 5. Both Pre monsoon (04.07.2023) and Post Monsoon (24.11.2023) has been carried out by Drone survey method. 6. Replenished Volume after Post-monsoon Survey-2023 is 5724Cum. 7. The PP has proposed for 5000 cum as per replenishment study. 	<p>The SEAC decided to reject the proposal due to the following reasons:</p> <p>Mining plan approved capacity for 5000cum/Yr. SEIAA has approved for 5000 cum/yr of sand extraction for 1st year. PP has submitted RSR showing 5729 cum/Yr of sand replenished. PP requested for 5000 cum/Yr of sand extraction for next year.</p> <p>1.In the RSR no section wise comparison of levels of pre and post monsoon has been attached. 2.In page 30 the pre monsoon level has been mentioned as 41.92m and in page 20 the level in post monsoon is mentioned as 29.11m. indicating a scouring of 12.11m depth. Such measurements are erratic and not acceptable. 3.The location as shown in KML file, the lease area is within the confluence area of Ramial river with Brahmani river. Such area exhibit regular bed alteration depending on flow pattern of tributary with main river. Any alteration shall disturb the natural flow regime of the river and endanger the river bank at this location causing danger to the village adjacent to the lease area.</p> <p>Suggestion of SEAC:</p> <p>1.It is suggested to shift the location of the quarry area and to maintain the virginity of the confluence point area. 2. Such erratic Replenishment Study report is not acceptable.</p>

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
11.	SIA/OR/MIN/473 088/2024	Proposal of amendment Environmental Clearance for Hindola-Dhanyatri Sand Bed on Kongira River over an area of 12.35 acres or 5.00 hectares in village Hindola & Dhanyatri under Raruan Tahsil in Mayurbhanj District of Smt. Saraswati Mahanta - Mod EC	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report 2. EC was granted vide letter no. 10310/SEIAA dated 17.12.2020. 3. Transfer EC was granted vide letter no. EC24C0107OR5230103T dated 07.03.2024. 4. Approved Mining Plan capacity is 3000 (max) cum/year. 5. SEIAA has permitted for 3000(max) cum/year for sand extraction, followed by submission of Replenishment Study Report. 6. No Pre monsoon survey has been done and Post Monsoon (29.03.2024) has been carried out by Drone survey method. 7. During Post-monsoon the extractable sand available is 11364.04 m³. 8. Average thickness of available extractable Sand is 1.37 m. 9. The PP has proposed for 3000 cum as per replenishment study. 	<p>The SEAC decided to reject the proposal due to the following reasons: Replenishment Study Report is not acceptable.</p> <ol style="list-style-type: none"> 1. Only Post monsoon study reported although mentioned both pre and post monsoon study done. Scattered sand available as per KML file. 2. The lease area covers both sides of the bridge. So, RS should have been done in area after leaving safe distance from both sides of bridge 3. The thickness of sand is calculated based on total volume of sand divided by area in the safety area based on post monsoon study 4. Replenishment Study Report is incomplete.

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
12.	SIA/OR/MIN/473 208/2024	Proposal of amendment Environmental Clearance for Haturipal Brahmani Sand Quarry over an area of 11.80 Acre or 4.77 Ha in village Haturipal under Odapada Tahasil of Dhenkanal District of Sri Gadadhar Setha - Mod EC	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report 2. EC was granted vide letter no. 1055/SEIAA dated 26.03.2021. 3. Transfer EC was granted vide letter no. File No. SIA/OR/MIN/292828/2022 dated 04.05.2023. 4. Approved Mining Plan capacity is 8500 (max) cum/year. 5. SEIAA has permitted for 8500(max) cum/year for for 1st year and 4500 for 2nd year for sand extraction, followed by submission of Replenishment Study Report. 6. Both Pre monsoon (17.06.2023) and Post Monsoon (15.12.2023) has been carried out by Drone survey method. 7. Replenished Volume after Post-monsoon Survey- 2023 is 6820Cum. 8. The PP has proposed for 6820 cum as per replenishment study. 	<p>The SEAC observed the following:</p> <ol style="list-style-type: none"> 1. Both pre and post monsoon study done. KML file shows water in about 60% of area. 2. Volume of sand calculated for both pre and post monsoon by multiplying respective area with thickness of 1.5mt. 3. Average thickness of 1.25m in pre and 1.5m in post monsoon considered without any basis or data. Only mentioned that as per calculation. Area of mining in post monsoon is higher than pre monsoon. 4. The PP need to submit data to substantiate the depth (thickness) calculated and reason for increase in surface mining area in post monsoon with corrected RS. <p>The Project Proponent need to clarify the above points raised by SEAC.</p>

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
13.	SIA/OR/MIN/473 351/2024	Proposal of amendment Environmental Clearance for Kamta Sand Quarry-I, over 1.78 ha or 4.40 ac. in Village Kamta under Dabugaon Tahasil of Nabarangpur District of Sri Bhagaban Patro - Mod EC	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report 2. EC was granted vide letter no. 9947/SEIAA dated 09.12.2020. 3. There is another mine within 500 metres. 4. Approved Mining Plan capacity is 5554 (max) cum/year. 5. SEIAA has permitted for 5554 cum/year for sand extraction, followed by submission of Replenishment Study Report. 6. Both Pre monsoon (23.06.2023) and Post Monsoon (13.11.2023) has been carried out by Drone survey method. 7. Final Replenished Volume is 1491.49 Cum. 8. Safe Extractable quantity is 12597.354 cum. 9. The PP has proposed for 5554 cum as per replenishment study. 	The SEAC decided to recommend the proposal as per the Replenishment Study Report with 1491.49cum of sand being final replenished volume subject to modification of Mining Plan, if required.

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
14.	SIA/OR/MIN/473 406/2024	Proposal of amendment Environmental Clearance for Kamta Sand Quarry-II, over 1.82 ha or 4.50 ac. in Village Kamta under Dabugaon Tahasil of Nabarangpur District of Sri Bhagaban Patro - Mod EC	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report 2. EC was granted vide letter no. 9968/SEIAA dated 09.12.2020. 3. Approved Mining Plan capacity is 2430 (max) cum/year. 4. SEIAA has permitted for 2430 cum/year for sand extraction, followed by submission of Replenishment Study Report. 5. Both Pre monsoon (23.06.2023) and Post Monsoon (13.11.2023) has been carried out by Drone survey method. 6. Final Replenished Volume is 2823.6 Cum. 7. Sand Available in common safe workable area is 12168 cum. 8. Safe Extractable quantity is 7300.8 cum. 9. The PP has proposed for 2430 cum as per replenishment study. 	The SEAC decided to recommend the proposal as per the Replenishment Study Report with 2823.6 cum of sand being final replenished volume subject to modification of Mining Plan.

Sl. No.	Online File No.	Proposals	Summary of the proposal.	Recommendations of SEAC
15.	SIA/OR/MIN/473 402/2024	Proposal of amendment Environmental Clearance for Boria Sand Bed over an area of 7.00 acres or 2.833 Hectares in Village Boria Under Kesinga Tahasil of Kalahandi District of Sri Biswajit Mohanty - Mod EC	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report 2. EC was granted vide letter no. 9368/SEIAA dated 27.10.2020. 3. Transfer EC was granted vide letter no. EC24C0107OR5731007T dated 21.03.2024. 4. Approved Mining Plan capacity is 750 (max) cum/year. 5. During the plan period (2024-2026), the annual production will be 5002 cum/year 6. SEIAA has permitted for 750 cum/year for sand extraction, followed by submission of Replenishment Study Report. 7. Both Pre monsoon (10.06.2023) and Post Monsoon (13.11.2023) has been carried out by Drone survey method. 8. Difference in Elevation is 1.1168 m. 9. The total volume of sand available after Replenishment study is around 14015.3709 m³. 10. The PP has proposed for 5002 cum as per replenishment study. 	<p>The SEAC decided to recommend the proposal as per the Replenishment Study Report with 14015.3709 cum of sand being final replenished volume subject to modification of Mining Plan.</p> <p>A part of the lease covers the natural water course, which should not be disturbed due to mining.</p>

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
16.	SIA/OR/MIN/473 404/2024	Proposal of amendment Environmental Clearance for Gamundi Jamapalli Sand Quarry over an area of 12.20 acres or 4.937 hectares having Khata No. 999 & 339, Plot No. 203/A & 703/A in Village Gamundi & Jamapalli, Tahasil Ghumusar (Bhanjanagar), District Ganjam of Sri Rabindra Gouda - Mod EC	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report 2. EC was granted vide letter no. EC22B001OR132986 dated 08.03.2022. 3. Amendment EC was granted vide letter no. File No. SIA/OR/MIN/303144/2023 dated 08.11.2023 4. Approved Mining Plan capacity is 3300 (max) cum/year. 5. SEIAA has permitted for 3300 cum/year for sand extraction, followed by submission of Replenishment Study Report. 6. Both Pre monsoon (03.05.2023) and Post Monsoon (24.11.2023) has been carried out by Drone survey method. 7. Difference in Elevation is 0.42 m. 8. Volume of sand available, which can be extracted, is 5799 m3. 9. The PP has proposed for 3300 cum as per replenishment study. 	<p>The SEAC recommended the following: Replenishment Study conducted includes both concave and convex banks. Covers the natural water course. Mining shall be carried out only in 13807m² area leaving the rest as safety zone. Recommended to mine is the replenished quantity of sand i.e. 5799 m³ subject to modification of mining plan. There are residential areas close to the deposit. The project proponent shall ensure that the biological clock of the villagers is not disturbed. The floodlights should be oriented away from the villages and the noise levels should be kept within the prescribed limits for day light/night hours.</p> <p>However, EC shall be recommended after submission of correct DSR. The DSR submitted by Project Proponent is of Boudh District.</p>

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
17.	SIA/OR/MIN/4734 25/2024	Proposal of amendment Environmental Clearance for Dianghat Sand Quarry over an area of 12.355 Acre or 5.00 Hectares having Khata No. - 92 and Plot No. - 76/A in Village Dianghat, Tahasil Harabhanga, District Boudh of Sri Chintamani Samal - Mod EC	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report. 2. EC was granted vide letter no. EC22B001OR137142 dated 22.08.2022. 3. Transfer EC was granted vide letter no. File No. SIA/OR/MIN/293262/2022 dated 29.11.2022. 4. Approved Mining Plan capacity is 8000 (max) cum/year. 5. SEIAA has permitted for 8000 cum/year for sand extraction, followed by submission of Replenishment Study Report. 6. Both Pre monsoon (03.05.2023) and Post Monsoon (21.01.2024) has been carried out by Drone survey method. 7. Difference in Elevation is 0.69 m. 8. Volume of sand available which can be extracted is 30011 m3. 9. The PP has proposed for 8000 cum as per replenishment study. 	<p>The SEAC observed the following:</p> <ol style="list-style-type: none"> 1. EC dated 22nd August 2022 was issued in favor of Tahasildar, Harabhanga. It has approved 8000 cum for 1st year mined sand production at 2 m depth of excavation stating that replenishment study report to be submitted by November 2023. 2. CTO dated 05th November 2022, issued for 8000 cum / year mining of sand, is valid up to 31st March 2024. 3. ML area is 12,140 m² as per the approved DSR in PARIESH 2 portal as against the proposal ML area of 50,000 m² (5 HA). 4. Transfer EC was granted vide letter no. File No. SIA/OR/MIN/293262/2022 dated 29.11.2022. 5. The approved mining plan dated 06th January 2020 (2020-21 to 2024-25) stated mineable reserve of 130482 cum sand at 3 m depth over mineable area of 43494 m² and mentioned annual mine production of 8000 cum sand at 2 m depth of mining over area of 4000 m² / year during the valid lease period. 100% annual replenishment of the mined sand is assumed. Potential mineable area during the lease period is 30000 m². ML area is stated to be relatively flat and highest elevation is 72 m above msl. RLs of the river water surface and the riverbanks within the ML area are not mentioned in the approved mining plan. 6. The replenishment study report states that pre and post monsoon surveys were carried out on 03rd May 2023 and 21st January 2024 respectively. The safe workable area is reported to be 12938.714 m², which is 56.9% less than that mentioned in the approved mining plan. Replenished volume of sand is reported to be 30010 cum with deposit height of 0.69 m over the mineable area, which is same as that in the approved mining plan. The survey report does not mention the width of the river, water free area during pre and post monsoon surveys.

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
				<p>7. As per the "Table: Different location mRL" of the replenishment study report the contour elevations both in pre and post monsoon surveys are stated to be varying in the range 60.26 m to 67.8 m in the ML area and these readings are contrary to the statement "ML area is stated to be relatively flat and highest elevation is 72 m above msl." mentioned in the approved mining plan.</p> <p>8. The survey has been carried out by the photogrammetric method using drones / UAV and the geo location (3D) measurement errors (RMS) of latitude / easting (X), longitude / northing (Y) and the elevation / azimuth (Z) are reported to be 0.836 m, 1.052 m and 1.766 m respectively for both pre and post monsoon surveys. It is not possible to comment on the accuracy of the reported replenished height of the sand bed (0.69 m) which is considerably less than the reported measurement of error (RMS) 1.766 m.</p> <p>9. The replenishment survey report does not mention the number of ground control points as the survey has been carried out using GPS as reference. The X, Y and Z errors of the GPS reference is stated to be 1.975 m, 2.021 m and 0.955 m respectively. As per the "Standard operating procedure (SOP) for study of rate of replenishment of sand using drone survey", submitted by ORSAC vide letter No. ORSAC/PR/0951/21/2588 dated 02nd June 2023, minimum 2 ground control point (GCP) coordinates need to be established and their horizontal and vertical accuracies are proposed to be ± 10 mm and ± 20 mm respectively.</p>

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
				<p>The SEAC needs clarification on the following:</p> <ol style="list-style-type: none"> 1. Replenishment study report is not submitted before November 2023 as per the EC grant order. 2. In the compliance report the lessee has stated that production of mined sand was 8000 cum during FY2022 – 2023 and no mention of quantity produced during FY 2023 – 2024 has been made. The production of sand during FY 2022 – 2023 and FY2023 – 2024 needs to be ascertained from the concerned officer/office of the Director Mining & Geology, Government of Odisha. 3. The ML area in the approved DSR needs to be revised as per the ML area in the proposal. (Refer point No.3 under para "Observation") 4. The compliance report signed by the lessee needs to be verified by the regional office of MoEF & CC, Government of India as per the terms and conditions of the EC grant order. 5. The reported above-mentioned differences in RLs of the riverbed sand surface and mineable areas as established by the replenishment study and the approved mining plan need to be reconciled

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
				<p>6. The RLs of the river water surface and the riverbanks need to be reported as corroboration of the reported height of the replenished sand in the replenishment study report. Government of Odisha, Revenue and disaster management Department issued Resolution No 26372/R & DM Bhubaneswar dated 02.09.2021 on Odisha Sand Policy, Para 8. Quarrying operation (iv) mentions that a benchmark (BM) with respect to mean sea level (MSL) should be made essential to in mining channel reaches (MCR), below which no mining shall be allowed.</p> <p>7. The revised approved mining plan needs to be submitted after reconciling the points mentioned under para 4, 5,6 and 7 (Para "Observation") and mention the width of the river and safe water free workable area during the pre and post monsoon surveys.</p> <p>The Project Proponent need to clarify the above points raised by SEAC.</p>

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
18.	SIA/OR/MIN/473 515/2024	Proposal of amendment Environmental Clearance for H. Katapali Sand Bed-F over an area of 5.00 ac. or 2.02 ht. in Village H. Katapali under Jharsuguda Tahasil of Jharsuguda District of Sri Bikash Chandra Rao - Mod EC	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report 2. EC was granted vide letter no. 2974/SEIAA dated 28.09.2021. 3. Approved Mining Plan capacity is 12600(max) cum/year. 4. SEIAA has permitted for 10000 (max) cum/year for sand extraction, followed by submission of Replenishment Study Report. 5. Both Pre monsoon (22.06.2023) and Post Monsoon (02.03.2024) has been carried out by Drone survey method. 6. Available replenishment mineable reserve after post monsoon is 14685cum and 60% of replenishment mineable reserve is 8811cum can be extractable sand. 	<p>The SEAC observed the following:</p> <ol style="list-style-type: none"> 1. EC dated 28th September 2021 was issued in favor of the lessee. It has approved 10000 cum for 1st year mined sand production at 1 m depth of excavation stating that replenishment study report to be submitted by 15th December 2022 failing which EC is liable to be revoked. 2. CTO dated 06th November 2021, issued for 12,600 cum / year mining of sand is valid up to 31st March 2026. 3. The ML area is 60,702.9 m² as mentioned in the approved DSR downloaded from PARIVESH 2 portal. ML area in the proposal is 50,000 m² (5 HA). 4. The approved mining plan dated 20th April 2021 (Valid for 05 years) stated mineable reserve of 17508 cum sand at 1.0 m depth over mineable area of 17508 m² and mentioned annual mine production of 12600 cum sand at 1.0 m depth of mining over area of 12600 m² / year during the valid lease period. 100% of the approved annual production is shown to have been replenished during previous years of operation. The quarry floor level at the yearend or period of the concession is stated to be 197 m RL. RLs of the riverbed sand surface, river water surface and the riverbanks within the ML area are not mentioned in the approved mining plan.

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
				<p>5. The replenishment study report states that pre and post monsoon surveys were carried out on 22nd June 2023 and 02nd March 2024 respectively. Average mRL of the riverbed sand surface during the pre-monsoon survey is reported to be 123.171 m and that during the post-monsoon survey is stated to be 123.821 m. The above-mentioned mRLs need to be reconciled with the quarry floor level RL 197 m at the yearend or period of the concession, which is mentioned in the approved mining plan.</p> <p>6. Replenished volume of sand is reported to be 5785 cum with deposit height of 0.65 m over the common safe workable area of 8900 m², which is 49.2% less than the mineable area mentioned in the approved mining plan.</p> <p>7. The survey has been carried out by the photogrammetry method using drones / UAV and the geo location (3D) measurement errors (RMS) of latitude / easting (X), longitude / northing (Y) and the elevation / azimuth (Z) are reported to be 2.876040 m, 7.430877 m and 141.869559 m respectively for both pre and post monsoon surveys. The reported replenished height of the sand bed (0.65 m) which is not significant as it is very much less than the measurement error (RMS) 141.89559 m.</p>

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
				<p>The SEAC needs clarification on the following:</p> <ol style="list-style-type: none"> 1. No document supporting replenishment study report based on pre and post monsoon surveys carried out by competent agencies by 15th December 2022 as per EC grant order could be found. In the compliance report lessee has only referred to the current replenishment study report. 2. Production of mined riverbed sand during FY2021-2022, FY2022-2023 and FY2023-2024 needs to be ascertained from the Mining Officer, Jharsuguda Circle, Jharsuguda for ensuring compliance with conditions stipulated in the EC grant order. 3. The ML area in the approved DSR needs to be revised as per the ML area in the proposal. (Refer point No.3 under para "Observation") 4. The compliance report signed by the lessee needs to be verified by the regional office of MoEF & CC, Government of India as per the terms and conditions of the EC grant order. 5. The RLs of the river water surface and the riverbanks need to be reported as corroboration of the reported height of the replenished sand in the replenishment study report. Government of Odisha, Revenue and disaster management Department issued Resolution No 26372/R & DM Bhubaneswar dated 02.09.2021 on Odisha Sand Policy, Para 8. Quarrying operation (iv) mentions that a benchmark (BM) with respect to mean sea level (MSL) should be made essential to in mining channel reaches (MCR), below which no mining shall be allowed. 6. The revised approved mining plan needs to be submitted after reconciling the points mentioned under para 4, 5 and 6 (Para Observation) and mention the width of the river and safe water free workable area during the pre and post monsoon surveys. The Project Proponent need to clarify the above points raised by SEAC.

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
19.	SIA/OR/MIN/473 604/2024	Proposal of amendment Environmental Clearance for Kodabhata Sand Quarry, over 1.48 ha or 3.65 ac. in Village Kodabhata under Jharigam Tahasil of Nabarangpur District of Sri Subash Patnaik - Mod EC	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report 2. EC was granted vide letter no. 1080/SEIAA dated 26.03.2021. 3. Approved Mining Plan capacity is 3589 (max) cum/year. 4. SEIAA has permitted for 3589 (max) cum/year for sand extraction, followed by submission of Replenishment Study Report. 5. Both Pre monsoon (23.06.2023) and Post Monsoon (21.03.2024) has been carried out by Drone survey method. 6. Available replenishment mineable reserve after post monsoon is 6121.50cum. 7. The PP has proposed for 556.50cum as per replenishment study. 	The SEAC decided to recommend the proposal as per the Replenishment Study Report with 556.50 cum of sand being final replenished volume subject to modification of Mining Plan, if required.

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
20.	SIA/OR/MIN/473 771/2024	Proposal of amendment Environmental Clearance for Krushnamohanpur Sand Quarry over an area of 12.355 Acre or 5.00 Hectares having Khata No.- 43 and Plot No.- 215/A in Village Krushnamohanpur, Tahasil Harabhanga, District Boudh of Sri Chintamani Samal - Mod EC	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report 2. EC was granted vide letter no. 2908/SEIAA dated 28.09.2021. 3. Transfer EC was granted vide letter no. SIA/OR/MIN/293266/202 2 dtd 29.11.2022. 4. Approved Mining Plan capacity is 6000(max) cum/year. 5. SEIAA has permitted for 6000 (max) cum/year for sand extraction, followed by submission of Replenishment Study Report. 6. Both Pre monsoon (05.04.2023) and Post Monsoon (02.01.2024) has been carried out by Drone survey method. 7. Available replenishment mineable reserve after post monsoon is 7884cum. 8. The PP has proposed for 6000cum as per replenishment study. 	<p>The SEAC decided to recommend the proposal as per the Replenishment Study Report with 7883.82 cum of sand being final replenished volume subject to modification of Mining Plan.</p> <p>The SEAC observed that there is no record of deposit of Rs.2,25,000/- to District Environment Society for plantation as per the letter of transfer EC dated 29.11.2022. The SEIAA may consider the EC subject to confirmation of the same.</p>

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
21.	SIA/OR/MIN/473 799/2024	Proposal of amendment Environmental Clearance for Kalikaprasad Sand Quarry over an area of 6.50 acres or 2.630 hectares In village Kalikaprasad Under Champua Tahasil in Keonjhar District of Sri Iswar Badapanda - Mod EC	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report 2. EC was granted vide letter no. EC22B001OR173591 dated 311.2020. 3. Transfer EC was granted vide letter no. SIA/OR/MIN/463703/2024 dtd 30/06/2022. 4. Approved Mining Plan capacity is 1200(max) cum/year. 5. SEIAA has permitted for 1200 (max) cum/year for sand extraction, followed by submission of Replenishment Study Report. 6. Both Pre monsoon (06.07.2022) and Post Monsoon (19.11.2022) has been carried out by Drone survey method. 7. Available replenishment mineable reserve after post monsoon is 7.82cum. 	<p>The SEAC decided to return the proposal due to following shortcomings in the proposal:</p> <ol style="list-style-type: none"> 1. As per uploaded kml file most of the lease area is outside the river. It covers river bank and adjoining lands. 2. River stretch is full of water and no sand is visible in the kml file. 3. As per Mining Plan minable reserve is over 20000sq meter with 1 meter depth. However as per highlights of Mining Plan included in the Replenishment study it is mentioned "Since water was logged during preparation of Mining Plan so considering surface area 26300 sq. meter (whole lease area) and thickness of deposit 1meter the probable Geological Reserve has been calculated. 4. As per part 4.1(last line) of Replenishment Study report – Since the lease area was waterlogged during pre monsoon survey so only post monsoon survey has been processed for volume calculation. 5. In the study, safe workable area of post monsoon is 190.18 sq. meter and sand available is 7.82 cum with average height of 0.041 m. (though no elevation data etc. is given. <p>In view of the above it is clear that neither the Mining Plan is realistic nor Replenishment study is done in proper way. Hence this replenishment study is not acceptable.</p> <p>In view of the lease area shown in the kml file, continuous water flow in the lease area and negligible working area, SEIAA may reconsider continuity of EC for this lease area.</p>

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
22.	SIA/OR/MIN/473 825/2024	Proposal of amendment Environmental Clearance for Uanla Sand Quarry over an area of 12.355 Acre or 5.00 Hectares having Khata No.- 81 and Plot No.-221/A & 224/A in Village Uanla, Tahasil Harabhanga, District Boudh of Sri Chintamani Samal - Mod EC	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report 2. EC was granted vide letter no. EC22B001OR129476 dated 22/08/2022. 3. Transfer EC was granted vide letter no. SIA/OR/MIN/293255/2022 dtd 29.11.2022. 4. Approved Mining Plan capacity is 5500(max) cum/year. 5. SEIAA has permitted for 5000 (max) cum/year for sand extraction, followed by submission of Replenishment Study Report. 6. Both Pre monsoon (05.04.2023) and Post Monsoon (21.01.2024) has been carried out by Drone survey method. 7. Available replenishment mineable reserve after post monsoon is 12268cum. 8. The PP has proposed for 5500cum as per replenishment study. 	The SEAC decided to recommend the proposal as per the Replenishment Study Report with 12268 cum of sand subject to modification of Mining Plan.

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
23.	SIA/OR/MIN/473 945/2024	Proposal of amendment Environmental Clearance for Maliguda Sand Quarry over an area of 3.60 Acre or 1.46 Hectares over Khata No.- 108 and Plot No.- 109 in Village Maliguda, Tahasil Dabugaon, District Nabarangpur of Sri Prabhat Kumar Bisoyi - Mod EC	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report 2. EC was granted vide letter no. 9955/SEIAA dated 09.12.2020. 3. Approved Mining Plan capacity is 5410(max) cum/year. 4. SEIAA has permitted for 5410 (max) cum/year for sand extraction, followed by submission of Replenishment Study Report. 5. Both Pre monsoon (05.04.2023) and Post Monsoon (16.12.2023) has been carried out by Drone survey method. 6. Available replenishment mineable reserve after post monsoon is 4413cum. 7. The PP has proposed for 5410cum as per replenishment study. 	<p>The SEAC observed the following:</p> <ol style="list-style-type: none"> 1. As submitted by PP in the KML file most of the lease area falls within agricultural land. 2. With different historical imagery for different year and month the sand available is scanty. 3. PP has enclosed RSR with depth of replenishment as 0.64m/yr. 4. Sand is seen in only 40% of lease area. <p>The SEAC decided to ask Project Proponent to resubmit the revised Replenishment Study Report after taking above points into consideration.</p>

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
24.	SIA/OR/MIN/473 973/2024	Proposal of amendment Environmental Clearance for Tentuligaon Sand Bed Over an area of 12.35 Acres or 5.00 Hectares in village Tentuligaon under Agalpur Tahasil of Balangir District of Sri Umesh Mahakur - Mod EC	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report 2. EC was granted vide letter no. 8763/SEIAA dated 21.08.2021. 3. Amendment EC was granted vide letter no. 5029/SEIAA dtd 02.08.2022. 4. Approved Mining Plan capacity is 20000 (max) cum/year. 5. SEIAA has permitted for 6500 (max) cum/year for sand extraction, followed by submission of Replenishment Study Report. 6. Both Pre monsoon (03.05.2023) and Post Monsoon (15.12.2023) has been carried out by Drone survey method. 7. Available replenishment mineable reserve after post monsoon is 104800.607cum and 60% of replenishment mineable reserve is 62880.3642 cum can be extractable sand. 8. The PP has proposed for 20000 cum as per replenishment study. 	<p>The SEAC decided to return the proposal due to following shortcomings in the proposal:</p> <p>Replenishment Study Report is not acceptable due to following reasons:</p> <ol style="list-style-type: none"> 1. Project Proponent has submitted RSR with replenishment depth of 2.246m/yr 2. In Ong river such depth is impractical with small catchment.

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
25.	SIA/OR/MIN/474 360/2024	Proposal of amendment Environmental Clearance for Mahisapat Matialghat Sand Quarry over an area of 5.85 acres or 2.367 hectares in village Kalikaprasad under Champua Tahasil in Keonjhar District of Sri Jagadish Badapanda - Mod EC	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report 2. EC was granted vide letter no. EC22B001OR126064 dated 30/06/2022. 3. Transfer EC was granted vide letter no. SIA/OR/MIN/463703/2024 dtd 20.03.2024. 4. Approved Mining Plan capacity is 1240(max) cum/year. 5. SEIAA has permitted for 1240 (max) cum/year for sand extraction, followed by submission of Replenishment Study Report. 6. Both Pre monsoon (06.07.2022) and Post Monsoon (18.11.2022) has been carried out by Drone survey method. 7. Available replenishment mineable reserve after post monsoon is 77.46cum. 	<p>The SEAC decided to return the proposal due to following shortcomings in the proposal:</p> <p>Replenishment Study Report is not acceptable due to following reasons:</p> <ol style="list-style-type: none"> i) KML file shows no sand available. ii) Replenishment Study Report is not clear. No measurements data to substantiate the depth of sand available. How the sand depth (thickness) derived is not mentioned. iii) Replenishment Study Report carried out by RPQ whereas in EC letter it is mentioned that the project proponent has to carry out Replenishment Study Report through a appropriate consultant.

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
26.	SIA/OR/MIN/474 586/2024	Proposal of amendment Environmental Clearance for Khilimisiguda Sand Bed over an area of 12.00 Acre or 4.856 Ha under Rayagada Tahasil of Rayagada District of Sri Sina Appudu Puala - Mod EC	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report 2. EC was granted vide letter no. 9448/SEIAA dated 03.11.2020. 3. Approved Mining Plan capacity is 10007(max) cum/year. 4. SEIAA has permitted for 10007 (max) cum/year for sand extraction, followed by submission of Replenishment Study Report. 5. Both Pre monsoon (27.06.2023) and Post Monsoon (21.11.2023) has been carried out by Drone survey method. 6. Available replenishment mineable reserve after post monsoon is 10102Cum. 7. The PP has proposed for 10007cum as per replenishment study. 	<p>The SEAC decided to return the proposal due to following shortcomings in the proposal:</p> <p>Replenishment Study Report is not acceptable due to following reasons:</p> <ol style="list-style-type: none"> i) KML file shows very less sand available ii) RS is not clear. No measurements data to substantiate the depth of sand available. How the sand depth (thickness) derived is not mentioned.

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
27.	SIA/OR/MIN/474 302/2024	Proposal of amendment Environmental Clearance for Jalameripalli Sand Quarry over an area of 21.937 Acre or 8.8777 Hectares bearing Khata no.-327 & Plot no.-1488 in Village Jalameripalli under Digapahandi Tahasil of Ganjam District of Smt Laxmi Sethi - Mod EC	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report 2. EC was granted vide letter no. EC22B001OR120849 dated 22/09/2022. 3. Approved Mining Plan capacity is 5000(max) cum/year. 4. SEIAA has permitted for 5000 (max) cum/year for sand extraction, followed by submission of Replenishment Study Report. 5. Both Pre monsoon (July,2023) and Post Monsoon (December,2023) has been carried out by Drone survey method. 6. Available replenishment mineable reserve after post monsoon is 27410cum. 7. The PP has proposed for 5000cum as per replenishment study. 	<p>The SEAC observed the following:</p> <ol style="list-style-type: none"> 1. EC dated 22nd September 2022 was issued in favor of the lessee. It has approved 5000 cum for 1st year mined sand production at 2 m depth of excavation stating that replenishment study report to be submitted by November 2023. 2. EC grant order stipulates a non-mineable zone / safety zone of 500 m width from the river bridge which is 20 m distance from ML area boundary. 3. CTO dated 29th September 2022, issued for 5000 cum / year mining of sand is valid up to 31st November 2023. 4. The details of the ML could not be seen in the approved DSR downloaded from PARIVESH 2 web site. 5. The approved mining plan dated 17th May 2021 (For 05 years) stated mineable reserve of 54820 cum sand at 2 m depth over mineable area of 27410 m² and mentioned annual mine production of 5000 cum sand at 1 m depth of mining over area of 5000 m² / year during the valid lease period. 100% annual replenishment of the mined sand is assumed. The mineable area during the planned period is 25000 m². ML area highest elevation is 70 m above msl. RLs of the river water is 67 m above msl. RL of the riverbanks within the ML area are not mentioned in the approved mining plan.

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
				<p>6. The replenishment study report states that pre and post monsoon surveys were carried out on July 2023 and December 2023 respectively. The workable area is reported to be 27410 m², which is same as the area for estimating the mineable reserve in the approved mining plan. Replenished volume of sand is reported to be 24669 cum with deposit height of 0.90 m. The survey report does not mention the width of the river, water free area during pre and post monsoon surveys. Average pre-monsoon riverbed sand surface level is reported to be 77.026 m and that for post-monsoon is stated to be 77.926 m. Dates of pre and post monsoon surveys have not been given. Photographs of Jalameripalli sand bed in the report were all dated 11th December 2023.</p> <p>7. As per the "Table: Different location mRL" of the replenishment study report the contour elevations both in pre and post monsoon surveys are stated to be varying in the range 76.4 m to 82.8 m in the ML area and these readings are contrary to the statement "ML highest elevation is 70 m above msl." mentioned in the approved mining plan.</p> <p>8. The survey has been carried out by the photogrammetry method using drones / UAV and the geo location (3D) measurement errors (RMS) of latitude / easting (X), longitude / northing (Y) and the elevation / azimuth (Z) are reported to be 1.420 m, 1.438 m and 2.827 m respectively for both pre and post monsoon surveys. It is not possible to comment on the accuracy of the reported replenished height of the sand bed (0.90 m) which is considerably less than the reported measurement of error (RMS) 2.827 m.</p>

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Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
				<p>9. The replenishment survey report does not mention the number of ground control points as the survey has been carried out using GPS as reference. The X, Y and Z errors of the GPS reference is stated to be 1.229 m, 2.322 m and 7.811 m respectively. As per the "Standard operating procedure (SOP) for study of rate of replenishment of sand using drone survey", submitted by ORSAC vide letter No. ORSAC/PR/0951/21/2588 dated 02nd June 2023, minimum 2 ground control point (GCP) coordinates need to be established and their horizontal and vertical accuracies are proposed to be ± 10 mm and ± 20 mm respectively. The SEAC needs clarification on the following:</p> <ol style="list-style-type: none"> 1. Replenishment study report is not submitted before November 2023 as per the EC grant order. 2. In the compliance report the lessee has stated that production of mined sand was 500 cum during 2022. There is no mention of the mined riverbed sand quantity produced during FY 2023 – 2024. The production of sand during FY 2022 – 2023 and FY2023 – 2024 needs to be ascertained from the concerned officer office of the Director Mining & Geology, Government of Odisha. 3. The compliance report signed by the lessee needs to be verified by the regional office of MoEF & CC, Government of India as per the terms and conditions of the EC grant order. 4. The details of the ML area need to be included in the approved DSR. 5. The CTO has expired. It needs to be renewed. 6. The reported above-mentioned differences in RLs of the riverbed sand surface and mineable areas as established by the replenishment study and the approved mining plan need to be reconciled.

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Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
				<p>7. The RL of the riverbanks need to be reported as corroboration of the reported height of the replenished sand in the replenishment study report. Government of Odisha, Revenue and disaster management Department issued Resolution No 26372/R & DM Bhubaneswar dated 02.09.2021 on Odisha Sand Policy, Para 8. Quarrying operation (iv) mentions that a benchmark (BM) with respect to mean sea level (MSL) should be made essential to in mining channel reaches (MCR), below which no mining shall be allowed.</p> <p>8. The revised approved mining plan needs to be submitted after reconciling the points mentioned under para 4, 5 and 6 (and mention the width of the river and safe water free workable area during the pre and post monsoon surveys.</p> <p>9. The replenishment survey need to mention the water free workable area based on pre and post monsoon surveys.</p> <p>The Project Proponent need to clarify the above points raised by SEAC.</p>

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
28.	SIA/OR/MIN/474 126/2024	Proposal of amendment Environmental Clearance for Boragam Sand Quarry over an area of 3.65 Acres or 1.477 Hectares bearing Khata No. 726, Plot No. 154 in Village Boragam under Tahasil Kodinga of District Nabarangpur of Sri Padman Bisoi - Mod EC	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report 2. EC was granted vide letter no. 10328/SEIAA dtd 17.12.2020. 3. Approved Mining Plan capacity is 18650 (max) cum/year. 4. SEIAA has permitted for 18650 (max) cum/year for sand extraction, followed by submission of Replenishment Study Report. 5. Both Pre monsoon (31.05.2023) and Post Monsoon (14.12.2023) has been carried out by Drone survey method. 6. Available replenishment mineable reserve after post monsoon is 11190cum. 7. The PP has proposed for 18650cum as per replenishment study. 	<p>The SEAC observed the following:</p> <ol style="list-style-type: none"> 1. EC dated 17th December 2020 was issued in favor of the lessee. It has approved 18650 cum for 1st year mined sand production at 2 m depth of excavation stating that replenishment study report to be submitted by 15th November 2021 failing which EC is liable to be revoked. 2. CTO dated 23rd August 2021, issued for 18,650 cum / year mining of sand, is valid up to 31st March 2025. 3. The approved mining plan dated 13th October 2020 (Valid for 05 years) stated mineable reserve of 18650 cum sand at 2.0 m depth over mineable area of 9325 m² and mentioned annual mine production of 18650 cum sand at 2.0 m depth of mining over area of 9325 m² / year during the valid lease period. 100% of the approved annual production is shown to have been replenished during previous years of operation. ML area is more or less flat with highest elevation of 547 m above msl. RLs river water surface and the riverbanks within the ML area are not mentioned in the approved mining plan. 4. The details of the ML could not be seen in the approved DSR downloaded from PARIVESH 2 web site. 5. The replenishment study report states that pre and post monsoon surveys were carried out on 31st May 2023 and 14th December 2023 respectively. As per the "Table: Different location mRL" of the replenishment study report the contour elevations both in pre and post monsoon surveys are stated to be varying in the range 539.100 m to 548.1 m in the ML area and these readings are contrary to the statement "ML highest elevation is 547 m above msl." mentioned in the approved mining plan.

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Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
				<p>6. Average pre-monsoon riverbed sand surface level is reported to be 543.77969 m and that for post-monsoon is stated to be 544.9799 m. The above-mentioned mRLs need to be reconciled with the quarry floor level 547 m above msl, which is mentioned in the approved mining plan.</p> <p>7. Replenished volume of sand is reported to be 11190 cum with deposit height of 1.2 m over the workable area of 9325 m², which is same as that mentioned in the approved mining plan. The survey report does not mention the width of the river, water free area during pre and post monsoon surveys.</p> <p>8. The survey has been carried out by the photogrammetry method using drones / UAV and the geo location (3D) measurement errors (RMS) of latitude / easting (X), longitude / northing (Y) and the elevation / azimuth (Z) are reported to be 0.345 m, 0.613 m and 1.745 m respectively for pre-monsoon survey. For post-monsoon survey the 3D measurement errors (RMS) is reported to be 0.812 m, 1.872 m and 2.827 m respectively for X, Y and Z. The reported replenished height of the sand bed (1.2 m) cannot be considered valid as the measurement errors in both the pre and post monsoon surveys for X, Y and Z directions are reported to be not only different as can be seen from above the RMS measurement errors (1.745 m and 2.827 m) in Z directions are also much higher than the 1.2 m replenished level difference.</p>

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
				<p>9. The replenishment survey report does not mention the number of ground control points as the survey has been carried out using GPS as reference. The X, Y and Z errors of the GPS references for pre / post monsoon surveys are stated to be 0.948 m / 1.147 m, 2.302 m / 1.685 m and 1.335 m / 1.456 m respectively. As per the "Standard operating procedure (SOP) for study of rate of replenishment of sand using drone survey", submitted by ORSAC vide letter No. ORSAC/PR/0951/21/2588 dated 02nd June 2023, minimum 2 ground control point (GCP) coordinates need to be established and their horizontal and vertical accuracies are proposed to be ± 10 mm and ± 20 mm respectively.</p> <p>The SEAC needs clarification on the following:</p> <ol style="list-style-type: none"> 1. No document supporting replenishment study report based on pre and post monsoon surveys carried out by competent agencies by 15th November 2021 as per the EC grant order could be found. In the compliance report lessee has only referred to the current replenishment study report. 2. Production of mined riverbed sand during FY2020-2021, FY2021-2022 and FY2022-2023 and FY2023-2024 needs to be ascertained from the Mining Officer, in charge of the above mentioned mine for ensuring compliance with conditions stipulated in the EC grant order. 3. The details of the ML area need to be included in the approved DSR.

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
				<p>4. The compliance report signed by the lessee needs to be verified by the regional office of MoEF & CC, Government of India as per the terms and conditions of the EC grant order.</p> <p>5. The RLs of the river water surface and the riverbanks need to be reported as corroboration of the reported height of the replenished sand in the replenishment study report. Government of Odisha, Revenue and disaster management Department issued Resolution No 26372/R & DM Bhubaneswar dated 02.09.2021 on Odisha Sand Policy, Para 8. Quarrying operation (iv) mentions that a benchmark (BM) with respect to mean sea level (MSL) should be made essential to in mining channel reaches (MCR), below which no mining shall be allowed.</p> <p>6. The revised approved mining plan needs to be submitted after reconciling the points mentioned under para 4, 5 and 6 and mention the width of the river and safe water free workable area during the pre and post monsoon surveys.</p> <p>7. The replenishment survey need to mention the water free workable area based on pre and post monsoon surveys. The Project Proponent need to clarify the above points raised by SEAC.</p>

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
29.	SIA/OR/MIN/474 906/2024	Proposal of amendment Environmental Clearance for Durdura Sand Quarry over an area of 10.00 Acres or 4.04 Hectares in Village Durdura Under Birmaharajpur Tahasil of Subarnapur District of Sri Satyanarayan Pradhan - Mod EC	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report 2. EC was granted vide letter no. 5349/DEIAA dated 23.05.2018. 3. Transfer EC was granted vide letter no. SIA/OR/MIN/296715/2022 dtd 27.01.2023. 4. Approved Mining Plan capacity is 21000(max) cum/year. 5. SEIAA has permitted for 21000 (max) cum/year for sand extraction, followed by submission of Replenishment Study Report. 6. Both Pre monsoon (28.06.2023) and Post Monsoon (28.11.2023) has been carried out by Drone survey method. 7. Available replenishment mineable reserve after post monsoon is 56693.9333cum. 8. The PP has proposed for 50000cum as per replenishment study. 	<p>The SEAC decided to recommend the proposal as per the Replenishment Study Report with 56693.93cum of sand subject to modification of Mining Plan.</p> <p>The SEIAA may consider to grant EC subject to the deposit of RS.2,25,000 /- to District Environment Society and 5% of Royalty to state EMF.</p>

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
30.	SIA/OR/MIN/475 070/2024	Proposal of amendment Environmental Clearance for Dhaurakhaman Sand Quarry over an area of 12.355 Acres or 5.00 ha at village- Dhaurakhaman, Tahasil- Sonapur, District-Subarnapur, Odisha of Smt. Partibha Das - Mod EC	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report 2. EC was granted vide letter no. EC22B001OR199320 dated 04/04/2022. 3. Transfer EC was granted vide letter no. SIA/OR/MIN/463703/2024 dtd 20.03.2024. 4. Approved Mining Plan capacity is 2250(max) cum/year. 5. SEIAA has permitted for 1125 (max) cum/year for sand extraction, followed by submission of Replenishment Study Report. 6. Both Pre monsoon (30.05.2023) and Post Monsoon (29.11.2023) has been carried out by Drone survey method. 7. Available replenishment mineable reserve after post monsoon is 30412cum. 8. The PP has proposed for 2250cum as per replenishment study. 	<p>The SEAC decided to return the proposal due to following shortcomings in the proposal:</p> <ol style="list-style-type: none"> i) DSR uploaded is of Saran district, Bihar. ii) The replenishment study report is having no relevant data like mRL, etc. except some images. The study looks to be erroneous. iii) The surveyor is not ORSAC empaneled consultant. <p>Hence, may be rejected.</p>

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
31.	SIA/OR/MIN/475 198/2024	Proposal of amendment Environmental Clearance for Parasara Sand Quarry Over an Area of 10.00 Acres or 4.046 Hectares in Village Parasara Under Titilagarh Tahasil of Balangir District of Sri Gourav Sabharwal - Mod EC	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report 2. EC was granted vide letter no. 1385/SEIAA dated 24.05.2021. 3. Transfer EC was granted vide letter no. 5112/SEIAA dtd. 12.08.2022. 4. Approved Mining Plan capacity is 2500(max) cum/year. 5. SEIAA has permitted for 2500 (max) cum/year for sand extraction, followed by submission of Replenishment Study Report. 6. Both Pre monsoon (25.06.2023) and Post Monsoon (19.11.2023) has been carried out by Drone survey method. 7. Available replenishment mineable reserve after post monsoon is 38148.5065cum and 60% of replenishment mineable reserve is 22889.1039 cum can be extractable sand. 8. The PP has proposed for 2500cum as per replenishment study. 	<p>The SEAC observed the following:</p> <p>i) Determination of replenished amount of sand for mining is erroneous.</p> <p>ii) PP is required to submit the replenished amount in the mineable area as per the guidelines for sand mining 2020. Moreover, the safe minable area is to be shown on a map/plan.</p> <p>iii) The RL of water level in the river is to be provided.</p> <p>The Project Proponent need to clarify the above points raised by SEAC.</p>

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
32.	SIA/OR/MIN/475 406/2024	Proposal of amendment Environmental Clearance for Adaspur Arisole Sand Quarry over an area of 12.30 acres or 4.98 hectares in village Adaspur and Arisole under Kantapada Tahasil of Cuttack District of Sri Bijan Kumar Barik - Mod EC	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report 2. EC was granted vide letter no. 1173/SEIAA dated 30.03.2021. 3. Transfer EC was granted vide letter no. SIA/OR/MIN/298616/2023 dtd 03.06.2023. 4. Approved Mining Plan capacity is 5000(max) cum/year. 5. SEIAA has permitted for 5000 (max) cum/year for sand extraction, followed by submission of Replenishment Study Report. 6. Both Pre monsoon (26.05.2023) and Post Monsoon (07.12.2023) has been carried out by Drone survey method. 7. Available replenishment mineable reserve after post monsoon is 18720cum. 8. The PP has proposed for 15600cum as per replenishment study. 	The SEAC decided to recommend the proposal as per the Replenishment Study Report with 18720cum of sand subject to modification of Mining Plan.

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
33.	SIA/OR/MIN/475 600/2024	Proposal of amendment Environmental Clearance for Bhimpur Sand Bed over an area of 10.425 acres or 4.219 Hectares bearing Khata No.-640 and Plot No.-1320 situated in Village Bhimpur, Tahasil Purushottampur, District Ganjam of Smt. Janaki Devi Mishra - Mod EC	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report 2. EC was granted vide letter no. EC22B001ORI43015 dtd 07.05.2022. 3. Transfer EC was granted vide letter no. 4774 dtd 30.06.2022. 4. Amendment EC was granted vide letter no. SIA/OR/MIN/296468/2023 dtd. 21.07.2023. 5. Approved Mining Plan capacity is 65000(max) cum/year. 6. SEIAA has permitted for 10000 (max) cum/year for sand extraction, followed by submission of Replenishment Study Report. 7. Both Pre monsoon (30.06.2023) and Post Monsoon (20.12.2023) has been carried out by Drone survey method. 8. Available replenishment mineable reserve after post monsoon is 23665cum. 9. The PP has proposed for 19000cum as per replenishment study. 	<p>The SEAC observed the following:</p> <p>i) SEIAA has permitted for 10000 cum per year for 1st year followed by Replenishment Study Report. RSR was carried out by Drone method and found to be satisfactory.</p> <p>ii) In Approved Mining Plan the annual production capacity is 65000 cum. Total Mineable area after deducting safety zone comes to 31,138 sqmt and elevation difference is 0.76 mt. So, total mineable reserve comes to 23,665 cum from which PP has proposed for 19,000 cum which comes to 80% of mineable reserve. As per MoEF guidelines, 60% of total Mineable Reserve needs to be taken.</p> <p>The Project Proponent need to clarify the above point and submit correct calculation in the revised Replenishment Study Report.</p>

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
34.	SIA/OR/MIN/476 150/2024	Proposal of amendment Environmental Clearance for Dallar Sand Quarry over an area of 12.25acres or 4.96 ha. Under Gondia Tahasil of Dhenkanal District of Sri Arun Ray - Mod EC	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report 2. EC was granted vide letter no. 1977/SEIAA dated 07.09.2022. 3. Transfer EC was granted vide letter no. SIA/OR/MIN/300084/2023 dtd 05.06.2023. 4. Approved Mining Plan capacity is 24754(max) cum/year. 5. SEIAA has permitted for 24754 (max) cum/year for sand extraction, followed by submission of Replenishment Study Report. 6. Both Pre monsoon (12.07.2023) and Post Monsoon (17.12.2023) has been carried out by Drone survey method. 7. Available replenishment mineable reserve after post monsoon is 21488Cum. 8. The PP has proposed for 21488Cum as per replenishment study. 	<p>The SEAC observed the following:</p> <p>i) SEIAA has permitted for 24754 cum per year for 1st Year followed by Replenishment Study. RSR carried out by Drone method and found to be satisfactory.</p> <p>ii) In Approved Mining Plan the annual production capacity is 24754 cum. Total Mineable area after deducting safety zone comes to 42977 sqmt and elevation difference is 0.50 mt. So total mineable reserve comes to 21,488 cum from which PP has proposed for 21,488 cum which comes to be 100% of mineable reserve. As per MoEF guidelines, 60% of total Mineable Reserve needs to be taken.</p> <p>The Project Proponent need to clarify the above point and submit correct calculation in the revised Replenishment Study Report.</p>

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
35.	SIA/OR/MIN/476 663/2024	Proposal of amendment Environmental Clearance for Tangarvadi Sand Bed over an area of 11.70 Acre or 4.73 Ha located in village Lemlema under Tangarpali Tahasil of Sundargarh District of Sri Nirlipta Behura - Mod EC	<p>9. Modification of EC as per the Replenishment Study Report</p> <p>10. EC was granted vide letter no. 328/SEIAA dated 05.02.2021.</p> <p>11. Transfer EC was granted vide letter no. EC24C0107OR5440626T dtd. 22.03.2024.</p> <p>12. Approved Mining Plan capacity is 8000(max) cum/year.</p> <p>13. SEIAA has permitted for 8000 (max) cum/year for sand extraction, followed by submission of Replenishment Study Report.</p> <p>14. Both Pre monsoon (24.07.2023) and Post Monsoon (18.11.2023) has been carried out by Drone survey method.</p> <p>15. Replenished Volume after Post-monsoon Survey - 2023 is 9274Cum which can be extractable sand.</p> <p>16. The PP has proposed for 8000cum as per replenishment study.</p>	<p>The SEAC observed the following: Pre-Monsoon and Post-Monsoon survey were carried out by UAV/Drone technique on 24th July and 18th November, 2023.</p> <p>After pre-monsoon The average thickness of sand bed is mentioned as 0.8m. After post-monsoon, the average thickness of sand bed is mentioned as 1m. Difference of mineable reserves for pre and post monsoon survey is Replenished Volume, calculated as 9274cum Survey- 2023.</p> <p>The PP has not submitted the Bed depth calculation from Drone Survey. The Project Proponent need to submit correct calculation i.e. the Bed depth calculation in the revised Replenishment Study Report.</p>

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
36.	SIA/OR/MIN/477 588/2024	Proposal of amendment Environmental Clearance for Baideswar Sand Ghat over an area 33.00 Acre or 13.355 Ha of village Patugadadharpur under Banki Tahasil, Cuttack district of Sri Minakshi Pradhan - Mod EC (EC applied for allowing Semi-mechanized method of mining instead of manual method of mining as per the Approved Modification of Mining Plan)	<ol style="list-style-type: none"> 1. Modification of EC for change in mining method from manual to semi mechanized for remaining years from 3rd year onwards. 2. EC was granted vide letter no. 1944/SEIAA dated 29.07.2021. 3. Approved Mining Plan capacity is 94120cum/year. 4. Amendment EC was granted vide file no. SIA/MIN/306349/2023 dtd. 15.12.2023 for 57000cum/year. 5. SEIAA has permitted for 57000 (max) cum/year for sand extraction for 3rd year, followed by submission of Replenishment Study Report by March 2025. 6. The PP has proposed for 57000cum as per Modified Mining Plan. 	The SEAC decided to defer the proposal to next meeting.

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
37.	SIA/OR/MIN/477 644/2024	Proposal of amendment Environmental Clearance for Dakadhola Sand Quarry over an area of 10.79Acre or 4.37Ha under Nuagaon Tahasil of Nayagarh District of Sri Benudhar Pradhan - Mod EC	<ol style="list-style-type: none"> 1. Modification of EC for change in increase in production from 3762cum to 12026cum. 2. EC was granted vide letter no. EC22B001OR122638 dated 03.06.2022. 3. Approved Mining Plan capacity is 3762 (max)cum/year. 4. SEIAA has permitted for 3400 (max) cum/year for sand extraction for 1st year, followed by submission of Replenishment Study Report by Nov 2022. 5. Both Pre 097monsoon (17.06.2023) and Post Monsoon (16.12.2023) has been carried out by Drone survey method. 6. Replenished Volume after Post-monsoon Survey - 2023 is 10070Cum which can be extractable sand. 7. The PP has proposed for 12026cum as per modified mining plan and availability of mineable reserve of 20044cum of sand after post monsoon as per replenishment study. 	<p>The SEAC observed the following: Kml file shows that major portion of lease area is covered by water and plants (forest). Sand is seen almost negligible.</p> <p>After pre-monsoon The average thickness of sand bed is mentioned as 0.8m.</p> <p>After post-monsoon, the average thickness of sand bed is mentioned as 1m.</p> <p>Difference of mineable reserves for pre and post monsoon survey is Replenished mineable Volume, calculated as 10070cum Survey- 2023.</p> <p>Replenished Geological volume is calculated as 10843cum.</p> <p>The PP has not submitted Bed depth calculation from Drone survey.</p> <p>The Project Proponent need to submit correct calculation i.e. the Bed depth calculation in the revised Replenishment Study Report.</p>

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
38.	SIA/OR/MIN/478 354/2024	Proposal of amendment Environmental Clearance for Rajabasa Sand Bed over an area of 6.89 acres or 2.788 hectares in village Rajabasa under Champua Tahasil in Keonjhar District of Sri Krushna Chandra Mahakud – Mod EC	<ol style="list-style-type: none"> 1. Modification of EC for change as per the Replenishment Study Report. 2. EC was granted vide letter no. EC22B001OR185510 dated 11.03.2022. 3. Approved Mining Plan capacity is 4100 (max)cum/year. 4. SEIAA has permitted for 2800 (max) cum/year for sand extraction for 1st year, followed by submission of Replenishment Study Report by Nov 2022. 5. The PP extracted 120cum and submitted RSP which was rejected by SEAC. 6. SEIAA has permitted for Amendment EC was granted vide file no. SIA/MIN/299/2023 dtd. 15.12.2023 for 2680cum/year for remaining period of 1st Year only followed by submission of Replenishment Study Report by Mar 2024. 7. Both Pre monsoon (04.06.2023) and Post Monsoon (08.01.2024) has been carried out by Drone survey method. 8. Replenished Volume of sand in common safe workable area during pre-monsoon and post monsoon survey is 1907cum has been with an average thickness of 0.31m. 	<p>The SEAC decided to take the decision on the proposal after receipt of the following from the Mining Officer:</p> <ol style="list-style-type: none"> 1. The KML file is different from the photographs of site as attached to replenishment study report. This shall be clarified. 2. Detail calculation of safe workable area for sand mining needs to be provided supported with sketch map in the replenishment study report complying to prescribed guidelines and excluding concave portion of lease area. Accordingly mineable quantity should be calculated.

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
39.	SIA/OR/MIN/479 048/2024	Proposal of amendment Environmental Clearance for Brahmani River Sand, Sarangpur over an area of 0.80 Acres or 0.324 Ha. at village - Sarangpur, Tahasil-Bari, Dist - Jajpur, Odisha, of Sri Rajkishore Mishra – Mod EC	<ol style="list-style-type: none"> 1. Modification of EC for change as per the Replenishment Study Report. 2. EC was granted vide letter no. 10278/SEIAA dated 17.12.2020. 3. Approved Mining Plan capacity is 910 (max)cum/year. 4. SEIAA has permitted for 910 (max) cum/year for sand extraction for 1st year, followed by submission of Replenishment Study Report by Nov 2021. 5. Both Pre monsoon (04.06.2023) and Post Monsoon (08.01.2024) has been carried out by Drone survey method. 6. Replenished Volume of sand in common safe workable area during pre-monsoon and post monsoon survey is 1998cum has been with an average thickness of 1.099m. 7. The PP has applied for EC approval for 1998.00cum 	The SEAC decided to recommend the proposal as per the replenished Volume of sand i.e. 1998.00cum for EC approval subject to approval of revised mining plan for sand mining of 1998.00cum by competent authority.

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
40.	SIA/OR/MIN/479 227/2024	Proposal of amendment Environmental Clearance for Hordali Sand Bed over an area of 5.00 Acres Or 2.023 Hectares bearing Khata No.- 457 and Plot No.- 2314 in Village Hordali, Tahasil Borigumma, District Koraput of Sri Sahadev Tumudi – Mod EC	<ol style="list-style-type: none"> 1. Modification of EC for change as per the Replenishment Study Report. 2. EC was granted vide letter no. 2006/SEIAA dated 05.08.2021. 3. Approved Mining Plan capacity is 2550 (max)cum/year. 4. Transfer EC was granted vide file no. SIA/OR/MIN/307264/2023 dated 28.12.2023. SEIAA has permitted for 2550 (max) cum/year for sand extraction for 1st year, followed by submission of Replenishment Study Report by Dec 2024. 5. Both Pre monsoon (23.06.2023) and Post Monsoon (15.12.2023) has been carried out by Drone survey method. 6. Replenished Volume of sand in mineable workable area of 8844sqm (as per approved Mining plan) is 6721cum with an average replenished thickness of 0.76m. 7. The PP has applied for EC approval for 6721.00cum. 	<p>The SEAC decided to take the decision on the proposal after receipt of the following from the Mining Officer:</p> <ol style="list-style-type: none"> 1. The applied quantity of sand for mining i.e. 6721 cum.is not based on safe workable area considering site condition at the time of survey. Calculation of mineable quantity basing on mineable area of approved mining plan is not admissible. Detail calculation of safe workable area for sand mining needs to be provided supported with sketch map in the replenishment study report complying to prescribed guidelines and excluding concave portion of lease area. Accordingly mineable quantity should be calculated. 2. Revised mining plan approved by competent authority need to be submitted if applied quantity would be more than corresponding approved mining plan quantity.

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
41.	SIA/OR/MIN/479 666/2024	Proposal of amendment Environmental Clearance for Brahmani River Sand, Sahupada over an area of 2.00 Acres or 0.81 Ha at village-Sahupada, Tahasil-Bari, Dist-Jajpur, Odisha of Sri Rajanikanta Dhal – Mod EC	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report. 2. EC was granted vide letter no. 1051/SEIAA dated 26.03.2021. 3. Approved Mining Plan capacity is 2970 (max)cum/year. 4. SEIAA has permitted for 2970 (max) cum/year for sand extraction for 1st year, followed by submission of Replenishment Study Report by May 2022. 5. Both Pre monsoon (13.06.2023) and Post Monsoon (20.01.2024) has been carried out by Drone survey method. 6. Replenished Volume of sand in mineable workable area of 1970.50sqm during pre-monsoon and post monsoon survey is 2065.76cum has been with an average thickness of 1.048m. 	<p>The SEAC decided to return the proposal due to following shortcomings in the proposal:</p> <p>Replenishment Study is not acceptable due to following reasons-</p> <ol style="list-style-type: none"> 1. Volume calculation is wrong as Pre Monsoon elevation is shown as 10.31091667m and Post Monsoon elevation is mentioned as 9.262571m. So it is net loss. 2. Elevation range shown in table 6 and DTM etc. is different. 3. Error levels shown in calculations are high.

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
42.	SIA/OR/MIN/480 778/2024	Proposal of amendment Environmental Clearance for Kamalapadar Sand Bed over an area of 12.35 Acres or 5.00 Hectares bearing Khata no. 23, Plot no. 70 in Village Kamalapadar, Tahasil Khairput, District Malkangiri of Sri Samarjit Jena – Mod EC	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report. 2. EC was granted vide letter no. 1656/SEIAA dated 06.07.2021. 3. Approved Mining Plan capacity is 1570 (max)cum/year. 4. SEIAA has permitted for 1570 (max) cum/year for sand extraction for 1st year, followed by submission of Replenishment Study Report by Aug 2022. 5. Both Pre monsoon (22.06.2023) and Post Monsoon (23.01.2024) has been carried out by Drone survey method. 6. Replenished Volume of sand in mineable workable area of 28522sqm during pre-monsoon and post monsoon survey is 13405cum has been with an average thickness of 0.47m. 	<p>The SEAC decided to take the decision on the proposal after receipt of the following from the Mining Officer:</p> <p>i) In one of the photographs of the site submitted pillars constructed for the bridge are seen. Details of the same like location (latitude and longitude, location to be marked in the kml file, width of the river at the point of bridge pillars, span etc.) shall be submitted and safety zone area taken from these pillars on both sides need to be furnished. Calculations of safe workable area by including this in safety zone shall be submitted if required.</p>

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
43.	SIA/OR/MIN/481 181/2024	Proposal of amendment Environmental Clearance for Budura Sand Bed over an area of 14.826 acres or 6.00 hectares bearing Khata No. 225, Plot No. 188 & 189 in Village Budura, under Tahasil Kashinagar, District Gajapati of Smt. Janaki Devi Mishra – Mod EC	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report. 2. EC was granted vide letter no. EC22B001OR169956 dated 24.11.2022. 3. Approved Mining Plan capacity is 50000 cum/year. 4. SEIAA has permitted for 50000 cum/year for sand extraction for 1st year and 12500cum for 2nd year, followed by submission of Replenishment Study Report by 2 years from date of issue. 5. Both Pre monsoon (26.05.2023) and Post Monsoon (22.11.2023) has been carried out by Drone survey method. 6. Replenished Volume of sand in mineable workable area of 45852sqm during pre-monsoon and post monsoon survey is 27052.68cum has been with an average thickness of 0.59m. 	<p>The SEAC decided to take the decision on the proposal after receipt of the following from the Mining Officer:</p> <p>The following need to be clarified-</p> <ol style="list-style-type: none"> 1. There is lot of variation in elevation levels at different places - <ol style="list-style-type: none"> a. As per Mining Plan (page 6) The proposed area is more or less flat with highest elevation of 57mt above msl. b. In table under part 4.4 in Replenishment study the elevation ranges from 52 mt to 63 mt. c. In photographs attached with Replenishment study elevation shown is from 58 mt to 139 meter. d. In DEMs in Replenishment Study it is 52 mt to 64 mt. e. In DTMs in Replenishment study it is from 71 mt to 90 mt. <p>How these differences are justified?</p> <ol style="list-style-type: none"> 2. Error level shown in data collection is high. Reliability of results is doubtful.

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
44.	SIA/OR/MIN/482 090/2024	Proposal of amendment Environmental Clearance for Penguda Sand Bed over an area of 12.35 acres or 4.99 hectares bearing Khata no. 61, Plot no. 249(A) in Village Penguda under Gunupur Tahasil in Rayagada District of Sri Jani Bauri – Mod EC	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report. 2. EC was granted vide letter no. EC22B001OR167442 dated 17.08.2022. 3. Approved Mining Plan capacity is 62034 cum/year. 4. In 1st year SEIAA has permitted for 4200 cum/year. 5. SEIAA has permitted for 7500 cum/year with depth of 0.75m for sand extraction for 2nd year, followed by submission of Replenishment Study Report. 6. Both Pre monsoon (June 2023) and Post Monsoon (Nov 2023) has been carried out by Drone survey method. 7. Replenished Volume of sand in mineable workable area of 41356sqm during pre-monsoon and post monsoon survey is 45492cum has been with an average thickness of 1.10m. 	<p>The SEAC observed the following:</p> <ol style="list-style-type: none"> 1. EC dated 22nd September 2022 was issued in favor of Shri Jaswant Bauri against application of Shri Jani Venkat Rao Bauri (Lessee) for enhanced production of 7500 cum sand for 2nd year by excavating up to maximum 0.75 m depth and the EC was to take effect from the date of execution of the lease deed. The maximum depth of mining was provisionally fixed. Replenishment study report was to be submitted by February 2023. The EC was to be revoked if a satisfactory replenishment study is not submitted within one year. 2. As stated in the 2022 EC grant order, earlier EC was granted on 01st June 2020 for maximum mining of 4200 cum sand in first year pending replenishment study and this was an ad hoc disposal. The lessee applied for enhancement of production exceeding 50% of the quantity mentioned in 2020 EC grant order. 3. EC was amended on 15th September 2023 to 14011 cum sand mining for 3rd, 4th and 5th years subject to validity of DSR or lease period based on submission of satisfactory replenishment study report, which established 0.38 m sand deposit. The replenishment study was to be carried out each year. 4. CTO dated 24th November 2023, issued for 14011 cum / year mining of sand, is valid up to 16th August 2025. 5. Annexure II Sand sources already auctioned but not executed (LOI issued) of approved DSR downloaded from PARIVESH 2 web site mentions the ML area to be 12140.5 m² (1.21 HA) as against 4.99 HA mentioned in the proposal.

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
				<p>6. The approved mining plan dated 02nd February 2021 (Plan period 17.08.2020 to 16.08.2025) stated mineable reserve of 62034 cum sand at 1.5 m depth over mineable area of 41356 m² and mentioned annual mine production of 62034 cum sand at 1.5 m depth of mining over area of 41356 m² / year during the valid lease period. 100% annual replenishment of the mined sand is assumed. The quarry floor level at the end of each year or the lease period is stated to be 80.5 m RL. RLs of the river water and the riverbanks within the ML area are not mentioned in the approved mining plan.</p> <p>7. The replenishment study report states that pre and post monsoon surveys were carried out in June 2023 and November 2023 respectively. The workable area is reported to be 41356 m² which is same as the area for estimating the mineable reserve in the approved mining plan. Replenished volume of sand is reported to be 45491.6 cum with deposit height of 1.1 m. The survey report does not mention the width of the river, water free area during pre and post monsoon surveys. The average pre-monsoon riverbed sand surface level is reported to be 79.99 m and that for post-monsoon is stated to be 81.09 m. Dates of pre and post monsoon surveys have not been given.</p>

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
				<p>8.As per the "Table: Different location mRL" of the replenishment study report the contour elevations both in pre and post monsoon surveys are stated to be varying in the range 79.0 m to 80.99 m in the ML area as per pre-monsoon survey and 80.10 m to 81.09 m as per the post-monsoon survey. DEM - Pre-monsoon and DEM - Post-monsoon map photos do not indicate any differences in the riverbed sand surface elevation RLs. The survey readings need to be reconciled with the quarry floor level at the end of each year or the lease period stated to be 80.5 m RL in the approved mining plan.</p> <p>9.The survey has been carried out by the photogrammetry method using drones / UAV and the geo location (3D) measurement errors (RMS) of latitude / easting (X), longitude / northing (Y) and the elevation / azimuth (Z) are reported to be 1.902 m, 0.747 m and 3.719 m respectively for both pre and post monsoon surveys. The reported replenished height of the sand bed (1.1 m) cannot be considered significant as it is within the reported measurement of error (RMS) 3.719 m for the elevation (Z).</p> <p>10. The replenishment survey report does not mention the number of ground control points as the survey has been carried out using GPS as reference. The X, Y and Z errors of the GPS reference is stated to be 2.069 m, 1.117 m and 2.174 m respectively. As per the "Standard operating procedure (SOP) for study of rate of replenishment of sand using drone survey", submitted by ORSAC vide letter No. ORSAC/PR/0951/21/2588 dated 02nd June 2023, minimum 2 ground control point (GCP) coordinates need to be established and their horizontal and vertical accuracies are proposed to be ± 10 mm and ± 20 mm respectively.</p>

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
				<p>The SEAC decided to take the decision on the proposal after receipt of the following from the Mining Officer:</p> <ol style="list-style-type: none"> 1. Agencies empaneled by ORSAC are mandated to undertake DGPS / ETS / Geospatial survey as per ORSAC defined SOP of geospatial survey. (Ref. Office order ORSAC/PROJ/0580/2021(P)/469 5(59) dated 16th October 2023. The PP / agency who carried out the photogrammetry / UAV drone survey for the replenishment study report being an ORSAC empaneled agency needs to clarify why the measurement errors of X, Y and Z in the pre, and post monsoon surveys are not within those stipulated in ORSAC defined SOP. 2. There is no mention of the mined riverbed sand quantity produced during FY 2023 – 2024. FY2023 – 2024 needs to be ascertained from the concerned officer, office of the Director Mining & Geology, Government of Odisha. 3. The compliance report signed by the lessee needs to be verified by the regional office of MoEF & CC, Government of India as per the terms and conditions of the EC grant order.

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
				<p>4. The ML area mentioned in the proposal needs to be reconciled with that mentioned in the approved DSR.</p> <p>5. The RL of the riverbanks need to be reported as corroboration of the reported height of the replenished sand in the replenishment study report. Government of Odisha, Revenue and disaster management Department issued Resolution No 26372/R & DM Bhubaneswar dated 02.09.2021 on Odisha Sand Policy, Para 8. Quarrying operation (iv) mentions that a benchmark (BM) with respect to mean sea level (MSL) should be made essential to in mining channel reaches (MCR), below which no mining shall be allowed.</p> <p>6. The revised approved mining plan needs to be submitted after reconciling the points mentioned under No. 6 and 8 (and mention the width of the river and safe water free workable area during the pre and post monsoon surveys.</p> <p>7. The replenishment survey needs to mention the water free workable area based on pre and post monsoon surveys.</p>

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
45.	SIA/OR/MIN/482 318/2024	Proposal of amendment Environmental Clearance for Baitarani River Sand Bed, Panchupally over an area of 12.50 acres or 5.058 hectares in Village Panchupally under Anandapur Tahasil of Keonjhar District of Smt. Jyotshna Panda – Mod EC	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report. 2. EC was granted vide letter no. EC23B001OR143567 dated 12.07.2023. 3. Approved Mining Plan capacity is 8585 cum/year. 4. SEIAA has permitted for 838.96 cum/year with depth of 0.408m for sand extraction for 1st year, followed by submission of Replenishment Study Report. 5. Both Pre monsoon (07.06.2023) and Post Monsoon (05.01.2024) has been carried out by Drone survey method. 6. Replenished Volume of sand in common mineable workable area of 18750m² during pre-monsoon and post monsoon survey is 1875cum has been with an average thickness of 0.10m. 	<p>The SEAC observed the following:</p> <ol style="list-style-type: none"> 1. EC dated 17th July 2023 was issued in favor of the lessee. It has approved 838.96 cum / year till end of the lease period based on 0.408 m replenishment height established by replenishment study. The PP has to do replenishment study as per the MoEF & CC sustainable sand mining guidelines every year. 2. CTO dated 30th March 2024 issued for 838.96 cum mining of sand for 2023-24 and 2024-25 (Up to 11th Jul 2024) is valid up to 11th July 2024. 3. The ML details are in the approved DSR downloaded from PARIVESH 2 web site. 4. The approved mining plan dated 28th April 2021 (2021-22 to 2025-26) stated mineable reserve of 42925 cum sand at 1.0 m depth over mineable area of 42925 m² and mentioned annual mine production of 8585 cum sand at 1.0 m depth of mining over area of 8585 m² / year during the valid lease period. 100% of the approved annual production is shown to have been replenished during previous years of operation. RLs riverbed sand surface, river water surface and the riverbanks within the ML area are not mentioned in the approved mining plan.

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
				<p>5. The replenishment study report states that pre and post monsoon surveys were carried out on 07th June 2023 and 05th January 2024 respectively. The survey has been carried out by the photogrammetry method using drones / UAV and the geo location (3D) measurement errors (RMS) of latitude / easting (X), longitude / northing (Y) and the elevation / azimuth (Z) are reported to be 0.6558 m, 0.4491 m and 0.4797 m respectively for pre-monsoon survey. 05 numbers of ground control points (GCP) have been used in both pre and post monsoon surveys. Mean RMS errors of the GCPs is 0.011 (No units mentioned) and for the post-monsoon surveys mean RMS errors of the GCPs is 0.018 (No units mentioned). For post-monsoon survey the 3D measurement errors (RMS) is reported to be 0.00588 m, 0.00538 m and 0.01237 m respectively for X, Y and Z. The reported replenished height of the sand bed (0.1 m) cannot be considered valid as the measurement errors (3D) as well as those of GCP locations in both the pre and post monsoon surveys for X, Y and Z directions are reported to be different as can be seen from above.</p> <p>6. Replenished volume of sand is reported to be 1875 cum with deposit height of 0.1 m over the reported common safe workable area of 18750 m², which is 56.3% less than the mineable area mentioned in the approved mining plan.</p>

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
				<p>The SEAC decided to take the decision on the proposal after receipt of the following from the Mining Officer:</p> <ol style="list-style-type: none"> 1. Agencies empaneled by ORSAC are mandated to undertake DGPS / ETS / Geospatial survey as per ORSAC defined SOP of geospatial survey. (Ref. Office order ORSAC/PROJ/0580/2021(P)/469 5(59) dated 16th October 2023. The PP / agency who carried out the photogrammetry / UAV drone survey for the replenishment study report being an ORSAC empaneled agency needs to clarify why the measurement errors of X, Y and Z in the pre, and post monsoon surveys are not within those stipulated in ORSAC defined SOP. Further the PP / surveying agency also need to clarify why the measurement errors of camera locations (3D) and GCP location errors are different in the pre and post monsoon surveys. 2. Production of mined riverbed sand during FY2023-2024 and FY2024-25 (Till date) needs to be ascertained by the Mining Officer, in charge of the above-mentioned mine for ensuring compliance with conditions stipulated in the EC grant order.

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
				<p>3. The compliance report signed by the lessee needs to be verified by the regional office of MoEF & CC, Government of India as per the terms and conditions of the EC grant order.</p> <p>4. The RLs of the surface of the riverbed sand, river water surface and the riverbanks need to be reported as corroboration of the reported height of the replenished sand in the replenishment study report. Government of Odisha, Revenue and disaster management Department issued Resolution No 26372/R & DM Bhubaneswar dated 02.09.2021 on Odisha Sand Policy, Para 8. Quarrying operation (iv) mentions that a benchmark (BM) with respect to mean sea level (MSL) should be made essential to in mining channel reaches (MCR), below which no mining shall be allowed.</p> <p>5. The revised approved mining plan needs to be submitted after reconciling the points mentioned under point no. 6 (Para Observation)</p>

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
46.	SIA/OR/MIN/482 453/2024	Proposal of amendment Environmental Clearance for Malikorchhi Sand Bed over an area of 12.35 Acres Or 5.00 Hectares bearing Khata No.- 91 and Plot No. - 566/1 situated in Village Malikorchhi, Tahasil Jeypore, District Koraput of Sri Tripati Panigrahi – Mod EC	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report. 2. EC was granted vide letter no. 9749/SEIAA dated 25.11.2020. 3. Transfer of EC was granted vide letter no. EC24C0107OR5921938T dated 17-06-2024. 4. Approved Mining Plan capacity is 2000 cum/year. 5. SEIAA has permitted for 2000 cum/year for sand extraction for 1st year, followed by submission of Replenishment Study Report by March 2025. 6. Both Pre monsoon (June 2023) and Post Monsoon (Dec 2023) has been carried out by Drone survey method. 7. Replenished Volume of sand in common mineable workable area of 18292m² during pre-monsoon and post monsoon survey is 7683cum has been with an average thickness of 0.42m. 	<p>The SEAC observed the following:</p> <ol style="list-style-type: none"> 1. EC dated 22nd November 2020 was issued to the Tehsildar, Jeypore for production of 2000 cum sand for 1st year by excavating up to maximum 0.5 m depth. The EC was to be revoked if a satisfactory replenishment study is not submitted within one year i.e. 15th November 2021. The EC was transferred to Shri Tripati Panigrahi (successful bidder, the lessee) from the Tehsildar, Jeypore vide SEIAA letter dated 17th June 2024 based on request of the mining officer. No details of mine production were reported at the time of transfer and no replenishment study reports were submitted. The EC transfer order approved 500 cum sand production only for one year and directed to submit replenishment study report by 31st March 2025. 2. CTO dated 17th December 2021, issued for 2000 cum mining of sand for each of the years 2021-22 and 2022-23 to Shri Tripati Panigrahi (Through Tehsildar, Jeypore), is valid up to 31st March 2023. 3. ML area details are in the approved DSR downloaded from the PARIESH 2 website. However, the ML area in the DSR is different from that in the proposal. 4. The approved mining plan dated 08th May 2020 (For 05 years) stated mineable reserve of 35831 cum sand at 1.0 m depth over mineable area of 35831 m² and mentioned annual mine production of 2000 cum sand at 0.5 m depth of mining over area of 4000 m² / year during the valid lease period. 100% annual replenishment of the mined sand is assumed. The quarry floor level at the end of each year or the lease period is stated to be 558.5 m RL. RLs of the river water and the riverbanks within the ML area are not mentioned in the approved mining plan.

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
				<p>5. The replenishment study report states that pre and post monsoon surveys were carried out in June 2023 and December 2023 respectively. The mineable area in the replenishment study report is stated to be 18292 m² which is stated to be 48.9% less than the mineable area mentioned in the approved mining plan. Replenished volume of sand is reported to be 7683 cum with deposit height of 0.42 m. The survey report does not mention the width of the river, water free area during pre and post monsoon surveys. The average pre-monsoon riverbed sand surface level is reported to be 595.23 m and that for post-monsoon is stated to be 588.35 m and these reported surface levels need to be reconciled with the quarry floor level 558.5 m RL at the end of each year stated in the approved mining plan. Dates of pre and post monsoon surveys have not been given.</p> <p>6. As per the "Table: Different location mRL" of the replenishment study report the contour elevations both in pre and post monsoon surveys are stated to be varying in the range 588.35 m to 600.39 m in the ML area as per pre-monsoon and post-monsoon surveys and the reported large variations in the surface elevations of the riverbed sand of the ML area needs to be reconciled with the quarry floor level mentioned in the approved mining plan.</p>

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
				<p>7. The survey has been carried out by the photogrammetry method using drones / UAV and the geo location (3D) measurement errors (RMS) of latitude / easting (X), longitude / northing (Y) and the elevation / azimuth (Z) are reported to be 1.695 m, 0.713 m and 3.398 m respectively for both pre and post monsoon surveys. The reported replenished height of the sand bed (0.42 m) cannot be considered significant as it is within the reported measurement of error (RMS) 3.398 m for the elevation (Z).</p> <p>8. The replenishment survey report does not mention the number of ground control points (GCP) as the survey has been carried out using GPS as reference. The GPS errors are stated to be 10.93 m in pre-monsoon survey and 11.23 m in post-monsoon survey. As per the "Standard operating procedure (SOP) for study of rate of replenishment of sand using drone survey", submitted by ORSAC vide letter No. ORSAC/PR/0951/21/2588 dated 02nd June 2023, minimum 2 ground control point (GCP) coordinates need to be established and their horizontal and vertical accuracies are proposed to be ± 10 mm and ± 20 mm respectively.</p>

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
				<p>The SEAC decided to take the decision on the proposal after receipt of the following from the Mining Officer:</p> <ol style="list-style-type: none"> 1. Agencies empaneled by ORSAC are mandated to undertake DGPS / ETS / Geospatial survey as per ORSAC defined SOP of geospatial survey. (Ref. Office order ORSAC/PROJ/0580/2021(P)/469 5(59) dated 16th October 2023. The PP / agency who carried out the photogrammetry / UAV drone survey for the replenishment study report being an ORSAC empaneled agency needs to clarify why the measurement errors of X, Y and Z in the pre, and post monsoon surveys are not within those stipulated in ORSAC defined SOP. Further the PP / surveying agency also needs to clarify why the GPS errors are different in the pre and post monsoon surveys. 2. The mined riverbed sand quantity produced during FY 2021 – 2022, FY2022 – 2023 and FY2023 - 2024 need to be ascertained from the concerned officer, office of the Director Mining & Geology, Government of Odisha. 3. The compliance report signed by the lessee needs to be verified by the regional office of MoEF & CC, Government of India as per the terms and conditions of the EC grant order.

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
				<p>4. The ML area mentioned in the DSR and that in the proposal needs to be same. The correct ML area needs to be ascertained the appropriate authorities.</p> <p>5. The RL of the riverbanks need to be reported as corroboration of the reported height of the replenished sand in the replenishment study report. Government of Odisha, Revenue and disaster management Department issued Resolution No 26372/R & DM Bhubaneswar dated 02.09.2021 on Odisha Sand Policy, Para 8. Quarrying operation (iv) mentions that a benchmark (BM) with respect to mean sea level (MSL) should be made essential to in mining channel reaches (MCR), below which no mining shall be allowed.</p> <p>6. The revised approved mining plan needs to be submitted after reconciling the points mentioned under No. 5 and 6) and mention the width of the river and safe water free workable area during the pre and post monsoon surveys.</p> <p>7. The replenishment survey needs to mention the water free workable area based on pre and post monsoon surveys.</p>

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
47.	SIA/OR/MIN/481 774/2024	Proposal of amendment Environmental Clearance for Nuahata Sand Quarry over an area of 15.00 acres or 6.07 ha in Village Nuahata of Rasulpur Tahasil of Jajpur District of Sri Arun Sahoo – Mod EC	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report. 2. EC was granted vide letter no. 6122/SEIAA dated 06.10.2018. 3. Approved Mining Plan capacity is 10000 cum/year. 4. SEIAA has permitted for 10000 cum/year for sand extraction for 1st year, followed by submission of Replenishment Study Report by Dec 2022. 5. The PP has extracted 5250cum in 1st year and submitted Replenishment Study report which was rejected by SEAC and was asked to submit RSR by ORSAC empanel agency. 6. Amendment of EC was granted vide file no. SIA/OR/MIN/298187/2023 dated 19-07-2023. SEIAA has permitted for 2500 cum/year for sand extraction for 2nd year, followed by submission of Replenishment Study Report by Dec 2024. 7. Both Pre monsoon (06.03.2023) and Post Monsoon (08.12.2023) has been carried out by Drone survey method. 8. Replenished Volume of sand in common mineable workable area of 0.8354ha. during pre-monsoon and post monsoon survey is 2800.6cum has been with an average thickness of 0.21m. 9. The PP has proposed for 1500cum/annum of sand extraction for next year. 	<p>The SEAC decided to return the proposal due to following shortcomings in the proposal:</p> <p>Replenishment Study is not acceptable due to following reasons-</p> <p>i) KML file shows less sand in lease area, plenty of sand adjacent to lease area.</p> <p>ii) PP has done RS study after considering safety area and in common area of pre and post monsoon to derive replenishment quantity of 2800cum</p> <p>iii) The RL mentioned in RS are: pre-monsoon Average RL is 20.71m post-monsoon Average RL is 20.50m</p> <p>The above data do not match with data in Tables, also the post RL is less than pre monsoon indicates negative replenishment.</p> <p>Hence Replenishment Study Report is not acceptable.</p>

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
48.	SIA/OR/MIN/482 589/2024	Proposal of amendment Environmental Clearance for Damol sand bed over 4.05 Ha (Ptot No.3549, Khata No, 286) at. VitLage- Damot, Tahasil,- Parjang, Dist. Dhenkanal of Sri Sarat Mishra – Mod EC	<ol style="list-style-type: none"> Modification of EC as per the Replenishment Study Report. EC was granted vide proposal no. SIA/OR/MIN/237351/2021 and EC identification no. EC22B001OR124510 dated 12.05.2022. Approved Mining Plan capacity is 15001(max) cum/year. SEIAA has permitted for 4800 cum/year for sand extraction for 1st year, followed by submission of Replenishment Study Report by Nov 2022. Transfer of EC was granted vide file no. SIA/OR/MIN/291588/2022 dated 09-11-2022. SEIAA has permitted for 4800 cum/year for sand extraction for 1st year, followed by submission of Replenishment Study Report. The Replenishment Study Report was rejected with few points raised as ADS. The PP has resubmitted the ARRS report and has replied to ADS raised. Both Pre monsoon (30.05.2023) and Post Monsoon (30.10.2023) has been carried out by Drone survey method. Replenished Volume of sand in common mineable workable area of 14720m². during pre-monsoon and post monsoon survey is 16648.3cum has been with an average thickness of 1.131m. The PP has proposed for 16648cum/annum of sand extraction for next year. 	<p>The SEAC recommended the following:</p> <ol style="list-style-type: none"> KML shows about 50% sand. RS has been carried considering safe and common area. Replenishment Study Report is okay. CTO was upto March 2023, needs to be applied for extension. The Proposal is recommended for 16648 cum of replenished sand quantity subject to modification of mining plan.

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
49.	SIA/OR/MIN/482 649/2024	Proposal of amendment Environmental Clearance for Bhargavi River Sand Quarry Jhintisan over an area of 12.20 Acre or 4.94 Ha under Baliana Tahasil of Khordha District of Shri Dilip Kumar Jena – Mod EC	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report. 2. EC was granted vide letter no. 2272/SEIAA dated 19.08.2021. 3. Approved Mining Plan capacity is 15183 cum/year. 4. SEIAA has permitted for 7500 cum/year for sand extraction for 1st year, followed by submission of Replenishment Study Report by Oct 2022. 5. Both Pre monsoon (23.06.2023) and Post Monsoon (14.12.2023) has been carried out by Drone survey method. 6. Replenished Volume of sand after post monsoon survey is 17832cum has been with an average thickness of 1.5m. 7. The PP has proposed for 15183cum/annum of sand extraction for next year. 	<p>The SEAC decided to return the proposal due to following shortcomings in the proposal:</p> <ol style="list-style-type: none"> i) The KML file shows Lease area completely filled with water and no sand. ii) RS carried out with thickness of 1.5 Mt without details elevation data of pre monsoon and post monsoon. iii) The consultant Geomac in panel of ORSAC may be reviewed. iv) Replenishment Study Report is not accepted.

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
50.	SIA/OR/MIN/482 708/2024	Proposal of amendment Environmental Clearance for Madhapur Sand Quarry over an area of 12.50 acre or 5.059 Ha under Bhapur Tahasil of Nayagarh District of Sri Benudhar Pradhan – Mod EC	<ol style="list-style-type: none"> 1. Modification of EC for Enhancement in production from 4000cum to 70000cum as per the Replenishment Study Report and modified Mining Plan by semi mechanized method of sand extraction for remaining 4 years. 2. EC was granted vide proposal no. SIA/OR/MIN/66179/2021 and EC identification no. EC22B001OR193512 dated 13.04.2022. 3. Approved Mining Plan capacity is 4000 cum/year. 4. SEIAA has permitted for 860 cum/year for sand extraction for 1st year, followed by submission of Replenishment Study Report by Nov 2022. 5. Both Pre monsoon (19.06. 2023) and Post Monsoon (16.12.2023) has been carried out by Drone survey method. 6. Replenished Volume of sand after post monsoon survey is 22048cum. 7. As per modification of mining plan, the annual production & MGQ has been revised by the competent authority to 70000 cum/annum with semi mechanized method of mining and approved quantity given in the EC granted by SEIAA, Odisha is 860cum/annum. Geological Replenishment volume is 25293 cum and mineable replenishment volume is 22048 cum. Nevertheless, the replenishment study conducted revealed that the post-monsoon mineable sand reserve is 132285cum and the extractable mineable reserve (60% of mineable reserve) is 79371 cum which is more than the approved annual production limit in the Mining Plan, which is 70000 cubic meters. Therefore, it is proposed that the production target i.e. 70000Cum shall be allowed for the upcoming year. 	The SEAC decided to defer the proposal to next meeting.

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
51.	SIA/OR/MIN/482 864/2024	Proposal of amendment Environmental Clearance for Kushabhadra River Sand Quarry Bhingarpur over an area of 12.00 Acre or 4.86 Ha under Baliana Tahasil of Khordha District of Shri Dilip Kumar Jena – Mod EC	<ol style="list-style-type: none"> 1. Modification of EC for Enhancement in production from 5000cum to 12000cum as per the Replenishment Study Report and modified Mining Plan by semi mechanized method of sand extraction for remaining 4 years. 2. EC was granted vide letter no. 2132/ SEIAA dated 09.08.2021. 3. Approved Mining Plan capacity is 5296 cum/year. 4. SEIAA has permitted for 2800 cum/year for sand extraction for 1st year, followed by submission of Replenishment Study Report by Oct 2022. 5. Both Pre monsoon (23.06. 2023) and Post Monsoon (14.12.2023) has been carried out by Drone survey method. 6. Replenished Volume of sand after post monsoon survey is 14257cum. 7. The PP has proposed for 12000cum for upcoming year. 	The SEAC observed the following: RSR indicates pre monsoon level - 8.75m (p-15) Post monsoon level - 9.28. (p-23) Depth of replenishment = 0.53m. But replenishment volume calculated with average thickness of 1.25m. The SEAC decided to take decision on the proposal after Project Proponent resubmit RSR with accurate levels and calculations.
52.	SIA/OR/MIN/483 274/2024	Proposal of amendment Environmental Clearance for Kuruli Mahanadi Sand Quarry, Kuruli over an area of 12.10 Acre or 4.896 Ha in village Kuruli under Kishannagar Tahasil of Cuttack District of Sri Bikram Rout – Mod EC	<ol style="list-style-type: none"> 1. Modification of EC for change in extraction method of sand from manual to semi mechanized method. 2. EC was granted vide letter no. EC23B001OR194820 dated 23.06.2023. 3. Approved Mining Plan capacity is 15498cum/year. 4. SEIAA has permitted for 15498 (max) cum/year for 1st year and 3875cum/year for 2nd Year for sand extraction, followed by submission of Replenishment Study Report by 2 years from date of issue. 5. Now, PP has applied for Modification in EC from Manual Mining to Semi Mechanised Mining as per the order of concerned authority and Modified Mining Plan has been submitted accordingly with same earlier approved capacity. 	The SEAC decided to defer the proposal to next meeting.

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
53.	SIA/OR/MIN/482 725/2024	Proposal of amendment Environmental Clearance for Birupa River Sand Bed Ramdaspur-1 over an area of 7.00 acres or 2.83 hectares In Village Ramdaspur Of Darpan Tahasil Of Jajpur District of Sri Subash Behera – Mod EC	<ol style="list-style-type: none"> Modification of EC as per the Replenishment Study Report. EC was granted vide letter no. 2492/SEIAA dated 04.09.2021. Transfer of EC was granted vide File No. SIA/OR/MIN/294872/2022, dated 22.05.2023. Approved Mining Plan capacity is 4101 cum/year. The project proponent has extracted 2800cum of sand in 1st year and submitted RSR. Transfer of EC was granted vide proposal no. SIA/OR/MIN/294872/2022. SEIAA has permitted for 2700 cum/year for sand extraction for 2nd year, followed by submission of Replenishment Study Report by March 2024. Both Pre monsoon (18.03.2023) and Post Monsoon (13.12.2023) has been carried out by Drone survey method. Replenished Volume of sand in common safe workable area of 0.7090ha. after post monsoon survey is 3190cum has been with an average thickness of 0.28m. The PP has proposed for 2699cum/annum of sand extraction for next year. 	<p>The SEAC decided to return the proposal due to following shortcomings in the proposal:</p> <p>i) Drone survey was carried out by Areal Constructions & Geo-India Services and report prepared by M/S Formin Consultancy Services which is not ORSAC approved. In the Transfer of EC letter, it is mentioned that ARRS report to be submitted through ORSAC empanelled agency by 31st March 2024.</p> <p>ii) Drone survey appears to be okay. But the calculations for obtaining replenished volume is erroneous and having no clarity.</p> <p>Hence, Replenishment Study Report is not acceptable.</p>

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
54.	SIA/OR/MIN/483 328/2024	Proposal of amendment Environmental Clearance for Gamharia Baitarani River Sand Bed over an area of 12.00 acres or 4.868 hectares at Village Gamharia under Vyasagar Tahasil of Jajpur District of Smt. Priyadarsini Routray – Mod EC	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report. 2. EC was granted vide letter no. 2605/SEIAA dated 04.09.2021. 3. Transfer of EC was granted vide letter No.3705/SEIAA, dated 27.12.2021. 4. Approved Mining Plan capacity is 28868 cum/year. 5. SEIAA has permitted for 10000 cum/year for sand extraction for 1st year. The project proponent has extracted 3437cum of sand in 1st year and submitted RSR. 6. In Amendment of EC, vide proposal no. SIA/OR/MIN/299099/2023. SEIAA has permitted for 2500 cum/year for sand extraction for 2nd year, (25% of 1st Year – 10000cum) followed by submission of Replenishment Study Report by March 2024. 10. Both Pre monsoon (08.04. 2023) and Post Monsoon (11.12.2023) has been carried out by Drone survey method. 11. Replenished Volume of sand in common safe workable area of 0.7652ha. after post monsoon survey is 4034cum has been with an average thickness of 0.20m. 7. The PP has proposed for 3163cum/annum of sand extraction for next year. 	<p>The SEAC decided to return the proposal due to following shortcomings in the proposal:</p> <p>i) Drone survey was carried out by Areal Constructions & Geo-India Services and report prepared by M/S Formin Consultancy Services which is not ORSAC approved. In the Transfer of EC letter, it is mentioned that ARRS report to be submitted through ORSAC empanelled agency by 31st March 2024.</p> <p>ii) Drone survey appears to be okay. But the calculations for obtaining replenished volume is erroneous and having no clarity. Hence, Replenishment Study Report is not acceptable.</p>

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
55.	SIA/OR/MIN/483 324/2024	Proposal of amendment Environmental Clearance for Brahmani River Sand Bed, Lankabalisahi over an area of 12.30 acres or 4.977 hectares at Village Lankabalisahi, Tahsil Rasulpur, District Jajpur of Smt. Priyadarsini Routray – Mod EC	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report. 2. EC was granted vide letter no. 3391/SEIAA dated 18.10.2021. 3. Transfer of EC was granted vide letter No.4165/SEIAA, dated 02.04.2023. 4. Approved Mining Plan capacity is 8000 cum/year. 5. SEIAA has permitted for 8000 cum/year for sand extraction for 1st year. The project proponent has extracted 900cum of sand in 1st year and submitted RSR. 6. In Amendment of EC, vide proposal no. SIA/OR/MIN/299126/2023 dated 19.06.2023. SEIAA has permitted for 2000 cum/year for sand extraction for 2nd year, (25% of 1st Year – 10000cum) followed by submission of Replenishment Study Report by March 2024. 12. Both Pre monsoon (16.03.2023) and Post Monsoon (08.12.2023) has been carried out by Drone survey method. 13. Replenished Volume of sand in common safe workable area of 0.20594ha. after post monsoon survey is 2600cum has been with an average thickness of 0.25m. 7. The PP has proposed for 7576cum/annum of sand extraction for next year. 	<p>The SEAC decided to return the proposal due to following shortcomings in the proposal:</p> <p>i) Drone survey was carried out by Areal Constructions & Geo-India Services and report prepared by M/S Formin Consultancy Services which is not ORSAC approved. In the Transfer of EC letter, it is mentioned that ARRS report to be submitted through ORSAC empanelled agency by 31st March 2024.</p> <p>ii) Drone survey appears to be okay. But the calculations for obtaining replenished volume is erroneous and having no clarity.</p> <p>Hence, Replenishment Study Report is not acceptable.</p>

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
56.	SIA/OR/MIN/483 670/2024	Proposal of amendment Environmental Clearance for Kharasrota River Sand Quarry, Guhali Over An Area Of 10.00 Acres OR 4.05 Ha In Village Guhali of Binjharpur Tahasil of Jajpur district of Sri Annadaprasad Swain – Mod EC	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report 2. EC was granted vide letter no. 2779/SEIAA dated 22.09.2021. 3. Amendment EC was granted vide letter no. File No. SIA/OR/MIN/298429/2023 dated 19.06.2023. 4. Approved Mining Plan capacity is 6651 (max) cum/year. 5. SEIAA has permitted for 4000 (max) cum/year for sand extraction, followed by submission of Replenishment Study Report. 6. Both Pre monsoon (15.04.2023) and Post Monsoon (12.12.2023) has been carried out by Drone survey method. 7. Replenishment of 6070m³ has been done with an average thickness of 1m. 8. Total 7629 cum of sand will be available for extraction during plan period. 9. The PP has proposed for 4577 cum as per replenishment study. 	<p>The SEAC decided to return the proposal due to following shortcomings in the proposal:</p> <ol style="list-style-type: none"> 1. Pre-monsoon and post-monsoon surface geological maps in RSR shows that land area is about 20% and 5% respectively, whereas the pre-monsoon and post-monsoon study area is found to be 5746 sqm and 14417 sqm respectively in software. 2. The pre-monsoon and post-monsoon average R.L. is recorded as 10.5057m and 11.0387m respectively with difference of 0.533m, whereas for calculation the same has been taken as 10.25m and 11.25m respectively with difference of 1.00m. 3. There is a calculation in RSR as follows; <i>“So, replenishment of sand in workable area = 6076 (m³)/ 0.7956 (ha) = 7629 m².”</i> This calculation is wrong and confusing. The RSR quantity calculation needs to be resubmitted complying to above. Hence, Replenishment Study Report is not acceptable.

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
57.	SIA/OR/MIN/483 637/2024	Proposal of amendment Environmental Clearance for Kharasrota River Sand Quarry, Kalyanpur over an area of 5.20 acres or 2.10 Ha In Village Kalyanpur of Binjharpur Tahasil of Jajpur District of Sri Sanjay Behera – Mod EC	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report 2. EC was granted vide letter no. 2980/SEIAA dated 28.09.2021. 3. Amendment EC was granted vide letter no. File No. SIA/OR/MIN/299303/2023 dated 19.06.2023. 4. Approved Mining Plan capacity is 3441 (max) cum/year. 5. SEIAA has permitted for 3441 (max) cum/year for first year of sand extraction, followed by submission of Replenishment Study Report. 6. Both Pre monsoon (14.04.2023) and Post Monsoon (06.12.2023) has been carried out by Drone survey method. 7. It is observed that replenishment of 4018m³ has been done with an average thickness of 0.067m. 8. Total 9453 cum of sand will be available for extraction during plan period. 9. The PP has proposed for 3151 cum as per replenishment study. 	<p>The SEAC decided to return the proposal due to following shortcomings in the proposal:</p> <ol style="list-style-type: none"> 1. In RSR pre-monsoon and post-monsoon safe workable area is mentioned as 2596 sqm and 8335 sqm respectively, Common safe workable area is mentioned as 5746 sqm. The reason for common safe workable area exceeding the minimum of two areas needs to be explained 2. There is a calculation in RSR as follows; "So, replenishment of sand in workable area = 4018 (m³) / 0.7652 (ha) = 5251m³." This calculation is wrong and confusing <p>The RSR quantity calculation needs to be resubmitted complying to above.</p> <p>Hence, Replenishment Study Report is not acceptable.</p>

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
58.	SIA/OR/MIN/472 711/2024	Proposal of amendment Environmental Clearance for Marjitapur Sand Quarry over an area of 12.50 acres or 5.058 ha is located in village Marjitapur, Tahasil-Dharmasala in Jajpur district of Sri Jayanta Jena – Mod EC	<ol style="list-style-type: none"> 1. Modification of EC for change in extraction method of sand extraction from manual to semi mechanized method for remaining years. 2. Earlier Approved Mining Plan capacity is 18974 cum/year. 3. Modified Approved Mining Plan capacity is 18990 cum/year from 4. Now, PP has applied for Modification in EC from Manual Mining to Semi Mechanised Mining as per the order of concerned authority and Modified Mining Plan has been submitted accordingly with more or less same earlier approved capacity. 	The SEAC decided to defer the proposal to next meeting.

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
59.	SIA/OR/MIN/483 735/2024	Proposal of amendment Environmental Clearance for Ghodamara Ghat Sand Quarry, Kaintragarh over an area of 12.00 Acres or 4.856Hectares at Village-Kaintragarh, Tahasil-Athmallik, Dist-Anugul of Sri Ghasiram Mahakud – Mod EC	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report 2. EC was granted dated 18.07.2022 and Transfer of EC was approved on 19.08.2022 as mentioned in Replenishment Study Report. 3. Approved Mining Plan capacity is 6000(max) cum/year. 4. SEIAA has permitted for 4800 (max) cum/year for sand extraction, followed by submission of Replenishment Study Report by Nov 2023. 5. Both Pre monsoon (11.06.2023) and Post Monsoon (29.12.2023) has been carried out by Drone survey method. 6. Replenishment sand is 3586cum with an average thickness of 0.30m. Available mineable reserve after post monsoon is 7441cum. 7. The PP has proposed for 6000cum as per replenishment study. 	The SEAC decided to recommend the proposal as per the replenished Volume of sand i.e. 3586cum for EC approval subject to approval of revised mining plan by competent authority, if required.

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
60.	SIA/OR/MIN/483 788/2024	Proposal of amendment Environmental Clearance for Asana Sand Bed over an area of 12.355 Acres or 5.00 hectares bearing Khata no- 457, Plot no- 79 in Village Asana under Tahasil Kotpad, District Koraput of Sri Sameer Pattnaik – Mod EC	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report 2. EC was granted vide letter no. 9525/SEIAA dated 03.11.2020. 3. Transfer EC was granted vide letter no. SIA/OR/MIN/463703/2024 dtd 20.03.2024. 4. Approved Mining Plan capacity is 3554(max) cum/year. 5. SEIAA has permitted for 3554 (max) cum/year for sand extraction, followed by submission of Replenishment Study Report. 6. Both Pre monsoon (03.05.2023) and Post Monsoon (15.12.2023) has been carried out by Drone survey method. 7. Available replenishment mineable reserve after post monsoon is 10840cum. 8. The PP has proposed for 3554cum as per replenishment study. 	<p>The SEAC decided to take the decision on the proposal after receipt of the following from the Mining Officer:</p> <p>1.For minable reserve and geological reserve, bed depth is taken as 2.0 and recovery factor is taken as 1.0. But for the replenished sand volume, bed depth is 0.42m and recovery factor is taken as 2.0. Justification may be given for different recovery factor Replenished reserved is of 10840m³.</p> <p>The above points need to be clarified with justification.</p>

Sl. No.	Online File No.	Proposals	Summary of the proposal:	Recommendations of SEAC
61.	SIA/OR/MIN/48 3847/2024	Proposal of amendment Environmental Clearance for Brahmani River Sand Bed, Jabara over an area of 12.25 acres or 4.957 Hecatares At Village-Jabara, Tahasil-Rasulpur, Dist-Jajpur of Sri Manoj Das – Mod EC	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report 2. EC was granted vide letter no. 3266/SEIAA dated 07.10.2021. 3. Transfer EC was granted vide letter no. 4161/SEIAA dated 02.03.2022. 4. Amendment EC was granted vide letter no. SIA/OR/MIN/297836/2023 dtd 16.06.2023. 5. Approved Mining Plan capacity is 12000 (max) cum/year. 6. SEIAA has permitted for 8500 (max) cum/year for sand extraction, followed by submission of Replenishment Study Report. 7. Both Pre monsoon (13.04.2023) and Post Monsoon (12.01.2024) has been carried out by Drone survey method. 8. Available replenishment mineable reserve after post monsoon is 13330cum. 9. The PP has proposed for 7998cum/annum as per replenishment study. 	<p>The SEAC decided to return the proposal due to following shortcomings in the proposal:</p> <ol style="list-style-type: none"> 1. Kml file shows some big rectangular parallel holes or some different structures on the lease area (sand bed region). 2. Replenishment Study Report prepared by Areal construction with RS study through another party. 3. Flight path and Orthophoto images look different from kml file image. 4. Calculations are confusing. <p>Hence, Replenishment Study Report is not acceptable.</p>

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
62.	SIA/OR/MIN/483 882/2024	Proposal of amendment Environmental Clearance for Bachhalo Devi Sand Bed over an area of 6.00 Acres or 2.428 ha at village-Bachhalo, Tahasil-Naugaon, District-jagatsinghpur, Odisha of Sri. Debasis Moharana – Mod EC	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report 2. EC was granted vide letter no. 2178/SEIAA dated 10.08.2021. 3. Transfer EC was granted vide letter no. 4157/SEIAA dated 02.03.2022. 4. Approved Mining Plan capacity is 2914 (max) cum/year. 5. SEIAA has permitted for 2914(max) cum/year for sand extraction, followed by submission of Replenishment Study Report. 6. Both Pre monsoon (05.06.2023) and Post Monsoon (22.11.2023) has been carried out by Drone survey method. 7. Replenished Volume of sand in common safe workable area of 4936.886m² after post monsoon survey is 996.314cum has been with an average thickness of 0.20m. 	The SEAC decided to recommend the proposal as per the replenished Volume of sand i.e. 996.314cum for EC approval subject to approval of revised mining plan by competent authority, if required.

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
63.	SIA/OR/MIN/484 255/2024	Proposal of amendment Environmental Clearance for Telijore Sand Bed over an area of 8.30 Acres or 3.358 ha at village-Telijore, Tahasil- Balisankara, District-Sundargarh of Sri Ajay Kumar Patel – Mod EC	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report 2. EC was granted vide letter no. 1177/SEIAA dated 30.03.2021. 3. Approved Mining Plan capacity is 5000 (max) cum/year. 4. SEIAA has permitted for 5000(max) cum/year for sand extraction for 1st year, followed by submission of Replenishment Study Report by 15.05.2022. 5. Transfer EC was granted vide letter no. EC24C0107OR5157739T dated 30.05.2024 where SEIAA has permitted for 1250(max) cum/year for sand extraction for 2nd year, followed by submission of Replenishment Study Report. 6. Both Pre monsoon (05.06.2023) and Post Monsoon (22.11.2023) has been carried out by Drone survey method. 7. Replenished Volume of sand in common safe workable area of 20650.93m² after post monsoon survey is 14532.059cum has been with an average thickness of 0.70m. 	<p>The SEAC decided to take the decision on the proposal after receipt of the following from the Mining Officer:</p> <p>i) Submit the Revised Replenishment Study Report after re-calculation by taking 60% of mineable area into consideration.</p>

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
64.	SIA/OR/MIN/485 128/2024	Proposal of amendment Environmental Clearance for Belpada Sand Bed over an area of 11.00 Acres or 4.451 Hectares in village Belpada under Belpada tahasil of Sonapur district of Sri Ghanashyam Putel – Mod EC	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report 2. EC was granted vide letter no. 9063/SEIAA dated 30.09.2020. 3. Approved Mining Plan capacity is 1240 (max) cum/year. 4. SEIAA has permitted for 1240(max) cum/year for sand extraction for 1st year, followed by submission of Replenishment Study Report by 15.11.2021. 5. Both Pre monsoon (12.06.2023) and Post Monsoon (17.11.2023) has been carried out by Drone survey method. 6. Replenished Volume of sand in common safe workable area of 28085.800m² after post monsoon survey is 50588.1429cum has been with an average thickness of 1.8012m. 	<p>The SEAC decided to recommend the proposal as per the replenished volume of sand i.e. 50888.1429cum for EC approval subject to approval of revised mining plan by competent authority.</p> <p>The water channel is in the middle of the deposit. The PP shall ensure that the water course is not disturbed due to mining.</p>

Sl. No.	Online File No.	Proposals	Summary of the proposal	Recommendations of SEAC
65.	SIA/OR/MIN/485 306/2024	Proposal of amendment Environmental Clearance for Kathajodi River Sand , Unit-39, Silpapuri over an area of 12.50 Acres or 5.06 ha. at village-Silpapuri, Tahasil-Sadar Cuttack, District-Cuttack, Odisha of Smt. Chinmayee Muduli.	<ol style="list-style-type: none"> 1. Modification of EC as per the Replenishment Study Report 2. EC was granted vide letter no. EC22B001OR123556 dated 07.06.2022. 3. Approved Mining Plan capacity is 45000 (max) cum/year. 4. SEIAA has permitted for 13000(max) cum/year for sand extraction for 1st year, followed by submission of Replenishment Study Report by Nov 2022. 5. Both Pre monsoon (12.06.2023) and Post Monsoon (12.11.2023) has been carried out by Drone survey method. 6. Replenished Volume of sand in common safe workable area of 17571m² after post monsoon survey is 14584cum has been with an average thickness of 0.83m. 	The SEAC decided to recommend the proposal as per the replenished volume of sand i.e. 14584m³ with an average thickness of 0.83m. There are residential areas at about 100m of the deposit. The project proponent shall ensure that the biological clock of the villagers is not disturbed. The floodlights should be oriented away from the villages and the noise levels should be kept within the prescribed limits for day light/night hours.


MEMBER SECRETARY, SEAC