

Agenda notes for SEIAA meeting dated 29.03.2022 etc. and minutes of the meeting

Online Proposals

75th Meeting of SEIAA, Odisha dated 29.03.2022 30.03.2022 and 31.03.2022 at 11.00 a.m.

Sl. No.	Proposal Category (B1, B2) and Proposal type (TOR/ECMO/DIEC/MODIT/DN/Tra/Transfer of EC)	Project Sector and EIA notification Schedule.	Auto generated File No.	Name of the Applicant/ Project Proponent	Title of the proposal	Date of receipt of the proposal online	Status indicated in the PARI VES H portal	Decisions of SEIAA in the previous meeting	Current Status and Agenda Note	Observations / Decisions of SEIAA Meeting
1.	B1, EC	1(a) Mining of minerals	SIA/ OR/ MIN/ 2846 0/2018	Sri Antaryami Mishra	Proposed Rarbahal Graphite Mine over an area 20,675 ha at Village- Rarbahal, Tahasil- Belpara, Dist- Balangir (Final EIA/EMP report).	24.10.2020	Under examination of SEIAA after SEAC	This is an online proposal for EC	<p>This is regarding a new proposal for mining of Major mineral Graphite. The project has submitted at SEIAA under Category 'B1' as the lease area is ≥ 5.0 Ha. As per the EIA Notification, 2006, this project falls in the schedule under Sl.No-1(a) – "Mining of Mineral" of non-coal mining sector. The project proponent has submitted proposal for grant of EC of Rarbahal Graphite mines over an mining lease area of 20,675 ha located at village- Rarbahal, Tahasil- Belpara, Dist- Balangir of Sri Antaryami Mishra.</p> <p>The following documents have been received Form-2, PFR, EIA and EMP, Mining Plan and approval letter, D.L.C. Cluster certificate, lease order</p> <p>The following deficiencies/omission have been noticed in the above documents.</p> <ul style="list-style-type: none"> • Nil <p><u>Other points</u></p> <ol style="list-style-type: none"> 1. ToR for this project has been granted by SEAC vide letter No. 549/SEAC/157 dated 12.10.2018. 2. Public hearing was conducted on 22.01.2020 and 50 nos. of participants were present in the PH, no such major issues has been raised in the PH except employment demand for local villagers in the mining lease as it reveals from PH proceedings. 	EC may be given with stipulations for minimising SPM _{2.5} and SPM ₁₀ , for disposal of waste water, for safe storage of top soil, for management of over burden dump, for garland drains

3. The lease area is not coming in D.L.C report as submitted by concerned Tahasildar in D.L.C report and land schedule.
4. This is a proposal for graphite mining project with production capacity of 0.0138 Million Tonnes/Annum of Graphite Ore over mining lease area of 20.675 ha.
5. The mine lease is located at Plot No. 46, Village Rarbahal, Tahasil- Bolpara, District Balangir, Odisha. The latitude 20° 34' 09" N to 20° 34' 27" N and longitude 83° 02' 10" E to 83° 02' 29" E. The highest altitude is of 258 mRL and the lowest altitude is 252 mRL. The area falls in the Survey of India Topo sheet no. 64 P/2, 64 P/3, 64 L/14 & 64 L/15. The lessee is Sri Antaryami Mishra.
6. The lease area 20.675 ha is Government Non- forest land. The mining lease over an area of 20.675 ha was granted vide order of Dept. of Mines & Steel G.O. No.10334/SMA(GH)SM -2772017 dt.15.12.2017 (expiry on 14.12.2067) for fifty years in favour of Sri Antaryami Mishra. Due to adverse marketing conditions there was no mining in the lease area till the end of first lease period.
7. Thereafter, the renewal of mining lease was granted to the lessee on over an area of 20.675 ha, for a period of 15 years from 05.03.2005 to 04.03.2020. Now, as per Rule B A (3) of MMDR (Amendment) Act 2015 lease period is valid up to 04.03.2040.
8. The mining plan of Rarbahal Graphite Mining lease in Village - Rarbahal, District - Balangir, State - Odisha was approved under Rule 23 of MCLIR, 2017 by the Regional Controller of Mines, Odisha Region, Indian Bureau of Mines vide letter No. MP/OTFM/04-OR/BHU/2018-19/518 dated 16.06.2018.
9. Location and Connectivity - Applied M.L area can be approached from Balangir (district head quarter) covering a distance of 64 km which is the sum of 38 km SH between Balangir and Patnagarh, 13 km SH between Patnagarh and Mandal square, 8 km metalled road between Mandal square & Mandal, 4 km metalled road between Mandal & by pass to Rarbahal and 1 km kucha road between by pass to Rarbahal P.L area via village Rarbahal. Lease area is also approachable from Bolpara PS town covering a road distance of 12 km. The nearest railway station is at Karitabanji on the Titlagarh - Raipur rail track of the East-Coast Railway which is 25 km from the lease area. The nearest air port is at Bhubaneswar at a distance 300 K.M from the project site.
10. The total Mineable reserve is 96,799 MT. The ore occurs at shallow depth and rocks are mostly weathered and soft, hard in patches only. Graphite ore exposed in the existing quarry inform of small veins, pockets, lenses & vein etc. Therefore, mining will be done on single shift basis, by open cast semi mechanized method of mining with the help of excavators.
11. Mining will be done in a top downward manner by developing 3m high & 3m wide bench. Graphite from the bench floors will be transported manually by head load to the ore stacking & sorting site. The quarry will be developed between the RL 257.6 m and RL 222.2 m. Overall quarry slope angle will be kept at around 60° with the horizontal.
12. Excavation will be taken up on the north western side of the lease area. Average annual production during the ensuing plan period will be 13023 tonnes. Average working days during the year are about 300 days. Average

settling tank, ground water recharge, and a proper land use map for reclamation. Member may kindly see and approve of the draft EC.

- daily production is about 43.4 tones. No drilling and blasting will be done for loosening of hard rock mass during mining operation.
13. During the development work of 2018-19 to 2022-23, the top soil in the tune of 93874.84 m³ will be spread on the waste dump and preserved for future plantation work.
 14. During current scheme of mining (2018-19 to 2022-23), the volume of the waste/ OS generated (including side burden waste) will be 476744.5 m³. Thus the total new volume of waste generated during the coming years that is till the tentative end of the life of the mine, shall be 544020 m³. Therefore, the ultimate capacity of the waste dump at the end of the life of the mine shall be 544020 m³. The dumps shall be kept in terraces in a regular fashion. It is proposed to dump in south-western of the quarry. The ultimate capacity of proposed dump will be 544020 m³, with a height of 20 m having two terraces. Development of garland drain and retention wall will be done simultaneously with the development of dump.
 15. Machinery used for mining purpose will be excavator, loader, tippers, sprinkler, jeep etc.
 16. **Water Requirement** - Total 10 KLD per day water will be required for overall purposes. 5 KLD water for drinking and domestic purposes, plantation, water sprinkling on land roads & agriculture purposes, 5 KLD for beneficiation of ore. Drinking water will be collected from a bore well and the rest water will be collected from the mining pit.
 17. The maximum strength of workers will be 26 nos. Most of the workers will be hired from local villages. Besides there will be indirect employment for transportation, canteen, repair shop, security etc. Since there is no habitation in the lease area therefore no resettlement will be necessary. During the plan period 6000 plants will be planted in 10.06 m². The entire plantation will be done on the 7.5 m safety barrier. The project cost is about 80 Lakhs.
 18. The extracted ore will be dispatched to secondary washing plant located at village- Dungripali, Dist-Balangir at a distance of 25 Km. If in case the plant is not established as per the proposal then the ROM will be sent directly to the washing plant located at Village-Dungripali of district Balangir.
 19. There is provision for settling ponds, garland drains and the up-dip portion of the check dams will be regularly desilted.
 20. Zero-discharge will be adopted as proposed by PP.
 21. **Green Belt** - Total green area at the end of conceptual period is 19.29 ha land. No. of trees proposed to be planted = 8000 trees. Plantation of wide leaf trees, creepers, tall grasses around quarry sites, waste dumps, roads, colony and other surrounding barren zones.
 22. Baseline data collection for the project has been conducted from period March - 2018 to May 2018.
 23. The total estimated cost of the project is approximately INR 0.8 Crores.
 24. The consultant M/s Green Circle, INC., Vadodara (Gujarat) along with the proponent have made a detailed presentation on the EIA/EMP report on 19.02.2021.

									25. The SEAC recommended the proposal for EC in its meeting held on 15.03.2022 In view of the above the proposal may be placed in the SEIAA meeting for consideration.	
2.	B1, EC	1(a) Mining of minerals	SI/ OR/ MIN/ 6646 1/202 1	Ferro Alloys Corporation Ltd	Proposal of M/s Ferro Alloys Corporation Ltd for EC of Expansion of existing Ostapal chromite Mine from 0.2 MTPA to 0.240 MTPA Chromite Ore (ROM) with maximum excavation of 0.579 Million Cum per annum and beneficiate d Chrome Ore of 0.1 MTPA through opencast mining method At Village: Gurujanga, Tehsil Sukinda,	03.02.2022	Under examination of SEIAA after SEAC	This is a online proposal for EC	This is regarding a new proposal for mining of Major mineral Chromite mines. The project has submitted at SEIAA under Category 'B1' as the lease area is ≥ 5.0 Ha. As per the EIA Notification, 2006, this project falls in the schedule under SI/No-1(a) - Mining of Mineral & 2(b)-Mineral Beneficiation of non-coal mining sector. The project proponent has submitted proposal of M/s Ferro Alloys Corporation Ltd for EC of Expansion of existing Ostapal chromite Mine from 0.2 MTPA to 0.240 MTPA Chromite Ore (ROM) with maximum excavation of 0.579 Million Cum per annum and beneficiated Chrome Ore of 0.1 MTPA through opencast mining method At Village: Gurujanga, Tehsil Sukinda, District Jajpur The following documents have been received Form-2, PFR, earlier EC copy and its compliance report, EIA and EMP, Mining Plan and approval letter, D.L.C., Cluster certificate, lease order The following deficiencies/omission have been noticed in the above documents: • Nil <u>Other points</u> 1. ToR for this project has been granted by SEIAA vide letter No. 3883/SEIAA dated 28.01.2022. 2. The Regional office of MoEF & CC, Gol., BBSR has submitted certified EC compliance report vide letter no. 101-248/EPE/202 dt 25.01.2022. The compliance report reveals that the PA has to comply some points as follows: a. There was seepage from the tailing pond adjacent to the COB plant that should be check immediately. b. The PA has to monitor the ground water quality in all 14 wells rather 9 wells and submit report. c. Action plan for implementation of rain water harvesting for long term basis. d. Action plan for protection of flora and fauna in core zone in consultation with local Forest and Wildlife Dept. e. Occupational health and surveillance program for the workers should be undertaken periodically. f. Maintain a separate accounts for environmental protection measures. g. Housekeeping on and around the COB plant required to improved. h. Should not use cooking gas for the purpose of welding inside the COB plant area. 3. NOC obtained from CGWA on dated 28.08.2018 for ground water withdrawal of 100 cum/day. 4. FC obtained from MoEF & CC, Gol for diversion of 64.354 Ha. forest land on	EC may be given with the following express stipulations. Let us seek detailed compliance report on all EC conditions and the points of non compliance pointed out by the Regional Office of MoEF&CC. Let us also ask for compliance report on the stipulations imposed by CGWA while according permission for extraction of ground water vide their letter dated 28.08.2018.

								<p>07.02.2006.</p> <p>5. The mining lease over 72.843 Ha, which comes under the part of Datan Protected Forest and Village Gunijanga, was granted to M/s FERRO ALLOYS CORPORATION LIMITED ("FACOR") on 13/08/1985 for 20 years i.e. from 13/08/1985 to 12/08/2005. The lease was expired on 12/08/2005, but it has continued to conduct the mining operations in the said lease under the deemed extension provisions of section 6 of the MMDRA, 1957 with Rule-24-A(6) of the MCR, 1960 till 21/08/2016. As per the MMDR amendment Ordinance, 2015 under sec. 3A, the lease period has been deemed to be extended for a period of fifty years i.e., from 13/08/1985 to 12/08/2035. The supplementary Lease Deed has been executed on 22/08/2016. Thereafter, Hon'ble NCLT Cuttack Bench under the provisions of Insolvency and Bankruptcy Code (IBC)-2016 vide its order dt. 30.01.2020, has approved the resolution plan of M/s Sterlite Power Transmission Limited (Vedanta Ltd.). Pursuant to the said order with of NCLT Cuttack, the Board of Directors of M/s. FERRO ALLOYS CORPORATION LTD. have been changed with effective from dt. 21.09.2020. Consequently, the Board of Directors have appointed the nominated owner of the company vide its resolution dt. 27.09.2020, in accordance with the statutory provisions.</p> <p>6. The current project involves mining of Chrome Ore (Chromite) through a Fully Mechanized Opencast mining method using HEMM and Deep Hole Blasting. The proposal is for increasing the production from 0.20 MTPA to 0.240 MTPA of Chromite Ore (ROM) with maximum excavation of 0.579 Million Cubic Meters per Annum. Total area under mining lease is 72.843 Ha. There is an existing 0.1 MTPA Chrome Ore beneficiation plant within the mine lease area. The area consists of 68.424 Ha forest land as per Sabit settlement records. Estimated capital cost is 88.85 Crores.</p> <p>7. The project falls under schedule '1(a), (i) Mining of Minerals' of EIA notification 2006 and is a category 'B' project.</p> <p>8. Total Geological Reserves of Chromite Ore as on 01.10.2020 are estimated to be 10.126 Million tonnes. Of these, Mineable reserves have been assessed to be 4.389 Million tonnes.</p> <p>9. Based on the present reserve estimates and proposed production program, the life of mine is estimated to be about 11 years.</p> <p>10. Fully mechanized Opencast mining is proposed to be carried out during the plan period. The operations like digging, excavation and removal of ore in conjunction with deep hole drilling and blasting will be done with the help of heavy earth moving machineries. Controlled blasting will be adopted for excavation of chromite ore.</p> <p>11. Mining has already intersected ground water table of the area. The estimated total manpower requirement for the mining project is about 636 persons.</p> <p>12. Water will be required in large amounts for the mining operation, dust suppression, plantation, workshop, Wheel washing system, Ore processing in COB plant, vehicle wash, domestic needs, environmental management etc. Total water withdrawal from the Ostapal Mine is estimated to be about avg</p>	<p>Compliance on points raised by SEAC as listed at point 18 (a – e) shall also be insisted upon.</p>
--	--	--	--	--	--	--	--	--	---

- 3400 KLD. Permission from Central Ground Water Authority (CGWA) vide Letter No. CGWA/NOG/MIN/REN/1/2021/5481 for withdrawal of ground water of 100 KLD through two existing bore wells and 3300 KLD through dewatering mine seepage from mine pit.
13. The use of electricity will be for lighting/ illumination/ pumping purposes in mining operations and will be obtained from GRIDCO. The electricity/DG power will be provided at the office, camp, and mines. The contract demand is 600 KVA and the total connected load is about 894 HP.
 14. A total of about 536 persons will be required to carry out the opencast mining operation.
 15. No R&R is proposed for the project.
 16. The SEAC in its meeting held on 05.01.2022 recommended that conducting public hearing for the proposal may be exempted under clause 7(ii) of EIA Notification, 2000 and amendment thereafter as there will be no increase in pollution load due to more 20% increase in production capacity and in similar situation EAC of MoEF&CC, Govt. of India has exempted for conducting public hearing many such mines. Accordingly, the SEIAA, Odisha has issued ToRs for EIA study vide letter no. 3883/SEIAA, dated 29.01.2022 exempting public hearing as recommended by the SEAC, Odisha.
 17. The Environment consultant **M/s Visiointek Consultancy Services Pvt Ltd, Bhubaneswar** along with the proponent has made a presentation on the proposal before the Committee on 18.02.2022.
 18. The SEAC recommended the proposal for EC in its meeting held on 15.03.2022 with some stipulated conditions as follows:
 - a. The mine shall explore implementation of membrane-based technology for removing Hexavalent Chromium from tailing pond, Surface run off & mine drainage water.
 - b. The mine shall submit copy of the letter to NIT, Rourkela and their response thereof engaging them for the purpose of reduction of Hexavalent Chromium from Tailing pond, surface run off, and mine drainage to SEIAA before issue of EC.
 - c. The mine shall submit copy of study report conducted by NIT, Rourkela for the purpose of reduction of Hexavalent Chromium from tailing pond, Surface run off & mine drainage water once study is over and implement the recommendations of the study.
 - d. Since, mining has already intersected the ground water table; the steps proposed for augmentation of ground water resources are not adequate. The project proponent shall put adequate number of recharge pits beyond the zone of influence based on a detailed hydro-geological study.
 - e. The mine shall take adequate measures to minimize the discharge of waste water to Damsala nallah.
 - f. **All the compliances submitted/ committed by PP (s) shall be strictly adhered to by them.**
 - g. The Sub-Committee of SEAC will visit the site within 6 months from the date of issue of Environmental Clearance to ensure implementation of

									<p>agreed measures. However, either during the visit of the SEAC Sub-committee and/or at any time, if it is noticed that stipulated conditions on which EC is granted is not in place or found otherwise, steps will be taken for revocation of EC granted.</p> <p>In view of the above the proposal may be placed in the SEIAA meeting for consideration.</p>	
3	B2, EC	8(a) New Construction Projects & Industrial Estates	SI/DR/MIS/2133/02/2021	M/s Astroz Creators Pvt. Ltd	Proposed Construction of Residential Building Project (B+G+4) of M/s Astroz Creators Pvt. Ltd. At: Mouza- Satyabhampur, Tahasil-Balianta, Bhubaneswar, Dist- Khordha	29.05.2021	Under examination of SEIAA after SEAC	This is an online proposal for EC.	<p>This is regarding a new proposal for Building and Construction project. The project has submitted at SEIAA under Category 'B' as the total built up area 20,000 sq.m to 1,50,000 sq.m. As per the EIA Notification, 2006, this project falls in the schedule under Sl.No-8(a) - "Building and Construction". The project proponent has submitted proposal for EC for Construction of Residential Building Project (B+G+4) of M/s Astroz Creators Pvt. Ltd. At: Mouza- Satyabhampur, Tahasil-Balianta, Bhubaneswar, Dist- Khordha.</p> <p>The following documents have been received EMP, Form-1, Form-1A, Checklist, land schedule etc.</p> <p>The following deficiencies/omission have been noticed in the above documents.</p> <ul style="list-style-type: none"> • Nil <p><u>Other points</u></p> <ol style="list-style-type: none"> 1. The proposal is for Environmental Clearance of M/s. Astroz Creators Pvt. Ltd. for construction of B+G+4 residential building and G+1 storeyed commercial building project over plot No. 612, 557 and khata No.277/94 at Mouza - Satyabhampur under Tahasil - Balianta of district - Khordha with total built up area- 22250.248 sq.mt. 2. The project falls under category 'B' or activity 8 (a)-Building and Construction projects under EIA Notification dated 14th September 2006 as amended from time to time. 3. M/s Astroz Creators Pvt. Ltd. Proposes to Construct B+G+4 with 135 nos. residential flats. The project will be come up in Plot No. - 612, 557, 556, Khata No. 277/94 of Mouza - Satyabhampur, Tahasil- Balianta, Bhubaneswar, District-Khordha on a land measuring 8052.12Sqm(1.989acres) with total built-up area 22,250.248 Sq.mt. 4. The Project Site is a part of the Survey of India Toposheet No. 73H/15873H/15. The site falls between Latitude 20°14'43.07"N to 20°14'47.00"N and Longitude 85°53'31.3"E to 85°53'31.3"E. The site is surrounded by 9.14 m wide road on the southern side connecting to main PWD road. The site is plain without any vegetation or trees. Nearest Highway is NH-203 which is 3.5 km & AH-45 is 0.5 Km away from project site. The Bhubaneswar Railway Station is 5.6 km from the project site. Biju Patnaik International Airport is 7.8 km from project site. 5. The site is coming under development plan of Bhubaneswar Development Authority. The project comprises of the following construction consist of two residential blocks, one commercial building, club house, courtyard and parking. The number of dwelling units proposed is 135 numbers. 6. The total plot area is 8052.12Sqm (1.989acres) with total built-up area 	EC may be given with all usual stipulations for such projects, and all specific stipulations made by SEAC as at point 19.

22,250.248 Sq.mt and ground coverage is 45 % of plot area.

7. The Building Details of the Project

S. NO.	DESCRIPTION	AREA (SQ M)
A.	Plot Area	8052.12
B.	Proposed Ground Coverage (@45 % of net plot area)	3777.24
C.	Proposed FAR (@2.074 of plot area Residential (Basement))	18112.92
D.	Non FAR Area (Stair case, Lift, Balcony, Ramp, Accessory Use)	6337.08
E.	Built-up Area (C+D)	22,250.248
F.	Green Area (@ 10 % of plot area)	805
G.	Open parking area (@ 6.08 % of plot area)	460.807
H.	Open Area & Drive way (@37.06% of plot area)	2984
I.	Height	14.75 m
J.	No of Dwelling Units	135

8. Water requirement: The total water requirement for the project will be approx.92 KLD, out of which domestic water demand is 85 KLD. The fresh water requirement will be 58 KLD. Fresh water will be extracted from ground water through borewell.
9. Waste water details: The project will generate approx. 73 KLD (sewage load) of wastewater. The wastewater will be treated in an onsite STP of 85 KLD capacity. The treated water will be reused for flushing (27 KLD), horticulture (2-4 KLD) & other purpose etc.
10. Power requirement: The power supply will be supplied by CESCO, Bhubaneswar. The requirement load for the project will be approx. 550 kW. Power Backup: Total 2 nos. of DG sets total 250 kVA (2*250 kVA) capacity for power back up.
11. Rain Water Harvesting: Rain Water will be harvested and recharge through 23 recharge pits from the plot area.
12. Parking Requirement: Total parking area required 6007.458 m² Sq.mt./450ECS and basement parking area will be provided.
13. Firefighting Installations: Firefighting system will be installed as per recommendation of the Firefighting Officer, Odisha and as per the guideline of NBC (part-4).
14. Green Belt Development: Out of the total area, green belt will be developed

over an area of 805 sq.m (10% of the plot area) and 100 trees will be planted.

15. Solid Waste Management: Total amount of solid waste generated of the project will be 331 kg/day which will be disposed through BMC.

16. The total population of project after proposed will be 625 persons.

17. The estimated project cost is ₹ 46 Crores.

18. The project proponent along with the consultant M/s P&M Solution Pvt. Ltd., Noida made a detailed presentation on the proposal before the committee on 02.08.2021.

19. The SEAC recommended the proposal for EC with stipulated conditions as follows:

- "Khatian" (Patta after Mutation) for the entire land from the appropriate Revenue Authority with 'Kisam' as Gharabari shall be obtained along with ownership before which construction work shall not start. The Proponent before implementation of the project shall convert the land to Gharabari and shall take the ownership of the land if not already taken.
- The PP had planned for disposal treated waste water in 500mtr away Cuttack-Puri Canal branch on the right side of the project or 20 feet wide village drain at 200 feet distance on the left side of the Project. Although many nearby projects are disposing waste water to the above Canal, the sub-committee of SEAC recommended for disposal to the village drain under the culvert only. Accordingly, the PP shall obtain the NOC from appropriate authority for construction of open drain with cover or underground home pipe alongside the public road for disposal of waste water to the village drain.
- The proponent shall use solar energy of 5% as proposed.
- To reduce discharge of treated water to open drain, the proponent shall use more water for increased number of trees proposed to be planted in the green belt area & shall also utilize this treated water for car washing, floor washing to minimize the surplus discharge to drain.
- The proponent shall implement the Pollution Control Measures and safeguards as proposed in the Environment Management Plan (EMP) of project report.
- A full-grown tree is existing on the rear side of the Project boundary which should not be felled and rather to be maintained.
- All the compliances submitted/ committed by PP (s) shall be strictly adhered to by them.

In view of the above the proposal may be placed in the SEIAA meeting for consideration.

EC may be given with all usual conditions for

	s & 21	Industrial Estates		(B+S+23), Tower-2 (B+S+22), Tower-3 (B+S+22) & Tower-4 (B+S+22) for M/s Khushi Realcon Pvt. Ltd. located at Mouza-Pahala, Tahasil-Bhubaneswar, Dist-Khordha	SEIA A after SEA C	<p>Pvt. Ltd. located at Mouza-Pahala, Tahasil-Bhubaneswar, Dist-Khordha. The following documents have been received EMP, Form-1, Form-1A, Checklist, and schedule etc. The following deficiencies/omission have been noticed in the above documents.</p> <ul style="list-style-type: none"> Nil <p>Other points</p> <ol style="list-style-type: none"> The proposal is for Environmental Clearance of M/s. Khushi Realcon Pvt. Ltd for proposed Residential Apartment Tower-1 (B+S+23), Tower-2 (B+S+22), Tower-3 (B+S+22) & Tower-4 (B+S+22) located at Mouza-Pahala, Tahasil-Bhubaneswar, Dist- Khordha of Mr. Pradeep Thacker (Director). The project falls under category 'B' or activity B (a)-Building and Construction projects under EIA Notification dated 14th September 2000 as amended from time to time. M/s Khushi Realcon Pvt. Ltd. proposes to construct Residential / Commercial Apartments Tower-1(B+S+23), Tower-2 (B+S+22), Tower-3 (B+S+22) & Tower-4 (B+S+22). The project is in Plot No.:- PlotNo: 277, 272, 275, 269, 281, 272/883 Khata No- 352/1194, 352/1204, 352/195, 352/1242, 352/1241, 352/1195 and Kssam - Gharabadi of Mouza- Pahal, Bhubaneswar, Dist- Khurda, Odisha. Location and Connectivity - The Project Site is a part of the Survey of India Toposheet No. 73H/15 & 73H/16. The proposed site is located at Mouza - Pahala, Tahasil- Bhubaneswar, Dist - Khurda, Odisha. The Geographical coordinates of the project site is: Latitude -20° 20' 10.9" N & Longitude - 85° 53' 3.5" E. The project site is well connected with National Highway NH-10. The nearest railway station is Vani Vihar Railway station at a distance of approx 6.53 Km & Bhubaneswar Railway Station at a distance 9.5 Km. The nearest airport is Biju Patnaik International Airport at a distance of approx. 15 Km in South-west direction from project site. The site is coming under Bhubaneswar Development Authority. The project comprises of Tower 1 B+S+23, Tower 2 B+S+22, Tower 3 B+S+22 and Tower-4 (B+S+22). The total plot area is 15565.82 Sqm with total built-up area 84372.5q.mt. The Building Details of The Project <table border="1" data-bbox="1108 1109 1960 1380"> <thead> <tr> <th>Particular</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>Project Name</td> <td>Khushi Realcon Pvt. Ltd.</td> </tr> <tr> <td>Plot Area</td> <td>15565.82 Sqm.</td> </tr> <tr> <td>Ground Coverage</td> <td>5509.69 sqm (39.51 %)</td> </tr> <tr> <td>FAR (Floor Area Ratio)</td> <td>4.07</td> </tr> <tr> <td>Built up Area</td> <td>84372.2 sqm</td> </tr> <tr> <td>Maximum Height</td> <td>78.85 m</td> </tr> </tbody> </table>	Particular	Proposed	Project Name	Khushi Realcon Pvt. Ltd.	Plot Area	15565.82 Sqm.	Ground Coverage	5509.69 sqm (39.51 %)	FAR (Floor Area Ratio)	4.07	Built up Area	84372.2 sqm	Maximum Height	78.85 m	such project, along with all specific conditions recommended by SEAC in point no. 19.
Particular	Proposed																				
Project Name	Khushi Realcon Pvt. Ltd.																				
Plot Area	15565.82 Sqm.																				
Ground Coverage	5509.69 sqm (39.51 %)																				
FAR (Floor Area Ratio)	4.07																				
Built up Area	84372.2 sqm																				
Maximum Height	78.85 m																				

Total Parking Area	19000.9 sqm	
Green Belt Area	3421.6 sqm (21.99 %)	
Maximum No. of Floor	Tower-1(B+S+23), Tower-2(B+S+22), Tower-3(B+S+22) Tower-4(B+S+22)	
Power/Electricity Requirement & Sources	Total - 2620 KW/Solar - 83 KW/CESU - 2537 KW	
No. of DG sets	4x700 KVA	
Water requirement	257 KLD (Fresh)	
Sewage Treatment Plant	STP Capacity - 350 KLD	
Estimated Population-Residential, Commercial, Floating/visitors	3090 nos.	

8. **Water requirement:** The total water requirement for the project will be approx. 367 KLD, out of which domestic water demand is 245 KLD and commercial is 12 KLD. The fresh water requirement will be 257 KLD. Fresh water will be extracted from ground water through borewell.
9. **Waste water details:** The project will generate approx. 328 KLD (sewage load) of wastewater. The wastewater will be treated in an onsite STP of 350 KLD capacity. Out of which 312 KLD will be recycled within the project for flushing (129.0 KLD), landscaping (14 KLD), dust suppression (12 KLD) and 157.0 KLD in non monsoon period and 183.0 KLD in monsoon period will be discharged to drain.
10. **Power requirement:** The daily power requirement for the proposed complex is preliminarily assessed as 2620 KW (Solar System- 83 KW & CESU – 2537 KW). In order to meet emergency power requirements during the grid failure, there is provision of 4 nos. of DG sets having 700 KVA capacities with DG set stack height is 40m for power back up in the Residential/Commercial Building Project. Total Energy saving from renewable energy = 133.30 KW i.e 5.1 % is contributed from solar energy.
11. **Rain Water Harvesting:** Rain Water will be harvested and recharge through 12 recharge pits from the plot area.
12. **Parking Requirement:** Total parking area required 19000.9 m² Sq.m/728 ECS will be provided.
13. **Fire fighting Installations:** Fire fighting system will be installed as per recommendation of the Fire fighting Officer, Odisha and as per the guideline of NBC (part-4).
14. **Green Belt Development:** Out of the total area, green belt will be developed over an area of 3421.6 sqm (21.99% of the plot area).
15. **Solid Waste Management:** From the residential complex solid waste in form of food wastes from kitchen and miscellaneous wastes will be generated @ 0.45 kg/person/day, which will be about 1224.0 kg/day. The generated solid wastes from the residential complex will be segregated as biodegradable and non-

biodegradable. This will be collected in separate-coloured bins. Proper waste management practices will be adopted during the collection, storage and disposal of the generated solid wastes and construction and demolition wastes.

S. No	Category	Counts (heads)	Waste generated (kg/day)
i)	Residents	2720 @ 0.45 kg/day	1224.0
ii)	Commercial	270 @ 0.15 kg/day	40.5
iii)	Club	150 @ 0.15 kg/day	22.5
iv)	STP sludge		0.16
TOTAL SOLID WASTE GENERATED			1287.16 kg/day

16. The total population of project will be 3090 persons.
17. The estimated project cost is ₹ 30 Crores and cost for EMP is ₹ 0.75 Crores.
18. The project proponent along with the consultant M/s Centre for Envotech & Management Consultancy Pvt. Ltd., Bhubaneswar made a detailed presentation on the proposal on 01.09.2021.
19. The SEAC recommended the proposal for EC with some stipulated conditions as follows:
 - a) "Khatian" (Patta after Mutation) for the entire land from the appropriate Revenue Authority with 'Kisan' as Gharabari shall be obtained along with ownership before which construction work shall not start. The Proponent before implementation of the project shall convert the land to Gharabari and shall take the ownership of the land if not already taken.
 - b) The Proponent shall obtain permission from the appropriate authority for discharge of excess treated water if any to the nearest existing drain. Also in case of the connecting drain passing through others land (Govt. or Private land), the Proponent shall obtain the permission and possession as the case may be. For construction of drain, the land shall be made encroachment free by the appropriate authority and drain shall be constructed thereafter with required permission including permission to discharge treated water. No construction of building to be started without making the drain ready and verified & permitted by the appropriate authority.
 - c) The proponent shall use solar energy of 5% as proposed with installation of PV cell of required capacity.
 - d) Trees located within the project area shall be de-rooted and re-rooted / transplanted to alongside the boundary green development area instead of cutting. If there will be any tree cutting required, requisite permission for the same shall be obtained from the Forest Department.
 - e) To reduce discharge of treated water to open drain, the proponent shall use more water for increased number of trees proposed to be planted in the green belt area & shall also utilize this treated water for

									<p>car washing, floor washing to minimize the surplus discharge to drain.</p> <p>f) The proponent shall implement the Pollution Control Measures and safeguards as proposed in the Environment Management Plan (EMP) of project report.</p> <p>g) All the compliances submitted/ committed by PP (s) shall be strictly adhered to by them.</p> <p>In view of the above the proposal may be placed in the SEIAA meeting for consideration.</p>	
5	B2, EC	8(a) New Construction Projects & Industrial Estates	SIA/OR/MIS/2173/15/2021	Urban/Infra/Private Limited	Proposed B+S+11 storied residential apartment of M/s. Urbanyx Infra Pvt. Ltd. at Dumduma Bhubaneswar	03.07.2021	Under examination of SEIAA after SEA C	This is an online proposal for EC.	<p>This is regarding a new proposal for Building and Construction project. The project has submitted at SEIAA under Category 'B' as the total built up area 20,000 sq.m to 1,50,000 sq.m. As per the EIA Notification, 2006, this project falls in the schedule under Sl.No-8(a) – "Building and Construction". The project proponent has submitted proposal for EC for Construction of B+S+11 storied residential apartment of M/s. Urbanyx Infra Pvt. Ltd. at Dumduma Bhubaneswar</p> <p>The following documents have been received EMP, Form-1, Form-1A, Chadklist, land schedule etc.</p> <p>The following deficiencies/omission have been noticed in the above documents.</p> <ul style="list-style-type: none"> • Nil <p>Other points</p> <ol style="list-style-type: none"> 1. The proposal is for Environmental Clearance of M/s. Urbanyx Infra Pvt. Ltd for proposed construction of B+S+11 Storied Residential Apartment over an area of 1.22Ac. or 4940.074 sqm, located at Dumduma, Bhubaneswar, Dist – Khorda with total built up area- 22987.34sqm of Sri Javed Akhtar (Director). 2. The project falls under category 'B' or activity 8 (a)-Building and Construction projects under EIA Notification dated 14th September 2006 as amended from time to time. 3. M/s. Urbanyx Infra Pvt. Ltd. proposes to construct B+S+11 Storied Residential Apartments comprising of 1st Floor-3BHK- 7 Flats, 2nd Floor-3BHK-8 Flats and 3rd Floor to 11th Floor - 3BHK-9*10 = 90 Flats. The project is in Plot No.- Plot No- 551 and 561/3998/4807, Khata No- 432/2853 and Khasra – Gharaban of Mouza- Dumduma, Bhubaneswar, Dist- Khurda, Odisha. 4. Location and Connectivity - The proposed site is located at Dumduma near NH-16 in Bhubaneswar, Odisha. The Geographical co-ordinate of the project site is: Latitude 20° 15' 06.13" N & Longitude 85°47' 24.23" E and is in Toposheet No- F45115. National Highway-16 is at a distance of 0.4 Km in W direction from the project site. Lingaraj Temple Road Railway Station at a distance of about 3.4 Km in E direction from the project site. Biju Patnaik International Airport at a distance of about 3.13 Km in E direction from the project site. 5. The site is coming under Bhubaneswar Development Authority. The project comprises of comprising of 1st Floor-3BHK- 7 Flats, 2nd Floor-3BHK-8 Flats and 3rd Floor to 11th Floor - 3BHK-9*10 = 90 Flats. Total no. of dwelling units is 105 nos. 	EC may be given with all usual conditions for such project, along with all specific conditions recommended by SEAC in point no. 19.

6. The total plot area is 4940.074 m² (0.5034ha) with total built-up area 22987.34 Sq.mt.

7. The Building Details of The Project

Particular	Proposed
Project Name	M/s. Urbanyx Infra Pvt. Ltd
Plot Area	4940.074 Sqm.
Ground Coverage	1971.71 sqm (39.91 %)
FAR (Floor Area Ratio)	3.57
Built up Area	22987.34sqm
Maximum Height	38.90 m
Total Parking Area	100.34sqm (3.00 %)
Green Belt Area	3421.6 sqm (21.99 %)
Maximum No. of Floor	1st Floor - 3bnk of 7 flats 2nd floor - 3BHK of 8 flats 3rd to 11 floor - 3BHK of 9x10 Flats each floor-90flats
Power/Electricity Requirement & Sources	Total - 757 KW Solar - 15 KW
No. of DG sets	200 KVA
Water requirement	60 KLD (Fresh)
Sewage Treatment Plant	STP Capacity - 100 KLD
Total Dwelling Units	105 nos

8. **Water requirement:** The total fresh water requirement is 60KLD which will be sourced from ground water during operation phase. The Flushing water requirement is 34KLD. Treated waste water re-use for Residential building is 70 KLD from STP and the STP capacity is 100KLD. Fresh water will be extracted from ground water through bore well.

9. **Power requirement:** The total power requirement for the purpose project is 757KW. The power will be entirely supplied by Tata Power Central Odisha Distribution Limited (TPCODL). For this purpose a diesel generator having 200KVA (1 Nos.) capacity will be provided and Stack height of the D.G Set is 42.73. 15kW of solar power will be used for common purpose out of 60 KW meant for common use.

10. **Rain Water Harvesting:** The 5 Nos. of recharge pit is required for harvesting rain water from terrace are, hard paved area and natural ground.

11. **Parking Requirement:** Total parking area required 1000.9 sq.mt/726 ECS will be provided.

12. **Fire fighting Installations:** Fire fighting system will be installed as per

								<p>recommendation of the Fire fighting Officer, Odisha and as per the provisions given in Part-B "Building Services, Section-2 Electrical and allied installations" of NBCI-2016 and Section-7 of National Electrical code, 2011.No objection certificate of fire safety recommendation with File No-C-34-2020 is approved by Chief fire officer, fire prevention wing, Director of fire services, Odisha, Cuttack.</p> <p>13. Green Belt Development: An adequate landscape on area of 988.01sq.m. (20.50% of the plot area) inside the project site will be developed.</p> <p>14. Solid Waste Management: The total municipal solid waste generation is 332 kg/day from which organic solid waste is 150 kg/day which is will be composted by vermi composting micro plant and the inorganic solid waste is 182.5kg/day which will be given to BMC.</p> <p>15. The total population of project will be 105 persons.</p> <p>16. The estimated project cost is 50 Crores and cost for EMP is 152 lakhs.</p> <p>17. The project proponent along with the consultant M/s Global Tech Enviro Experts PVT. LTD., Bhubaneswar, Odisha made a detailed presentation on the proposal.</p> <p>18. The SEAC recommended the proposal for EC with some stipulated conditions as follows:</p> <ol style="list-style-type: none"> "Khatian" (Patta after Mutation) for the entire land from the appropriate Revenue Authority with 'Kisam' as Gharabari shall be obtained along with ownership before which construction work shall not start. The Proponent before implementation of the project shall convert the land to Gharabari and shall take the ownership of the land if not already taken. The Proponent shall obtain permission/NOC from Executive Engg (PHD) and / or from the appropriate authority for disposal of Sewage and treated effluent to the nearest drain without which the Proponent will not start construction work. Also in case of the connecting drain passing through others land (Govt. or Private land), the Proponent shall obtain the permission and possession as the case may be. The proponent shall use solar energy of 5% as proposed. Trees located within the project area shall be de-rooted and re-rooted / transplanted to alongside the boundary green development area instead of cutting. If there will be any tree cutting required, requisite permission for the same shall be obtained from the Forest Department. To reduce discharge of treated water to open drain, the proponent shall use more water for increased number of trees proposed to be planted in the green belt area & shall also utilize this treated water for car washing, floor washing to minimize the surplus discharge to drain. The proponent shall implement the Pollution Control Measures and safeguards as proposed in the Environment Management Plan (EMP) of project report. All the compliances submitted/ committed by PP (s) shall be strictly adhered to by them. <p>In view of the above the proposal may be placed in the SEIAA meeting for</p>
--	--	--	--	--	--	--	--	--

6	B1, EC	1(a) Mining of minerals	SIA/OR/MIN/5647/2020	Sri Nema ni Ramkrishna	Proposal of EC of Anabadi Decorative Stone (Garnetiferous Granite Gneiss) Mines deposit over an area of 12.1 Hectares or 29.90 Acres located in village Anabadi no.21, under Tahasil Bandhugaon, district Koraput (ToR issued 289/SEIAA dated 02.02.2021 Final EIA/EMP report submitted)	15.01.2022	Under examination of SEIAA after SEAC	This is a online proposal for EC.	<p>consideration.</p> <p>This is regarding a new proposal for mining of minor mineral Stone. The project has submitted at SEIAA under Category 'B1' as the lease area is ≥ 5.0 Ha. As per the EIA Notification, 2006, this project falls in the schedule under Sl.No-1(a) - 'Mining of Mineral' of non-coal mining sector. The project proponent has submitted proposal for grant of EC for Anabadi Decorative Stone (Garnetiferous Granite Gneiss) Mines deposit over an area of 12.1 Hectares or 29.90 Acres located in village Anabadi no.21, under Tahasil Bandhugaon, district Koraput of Sri Nema ni Ramkrishna.</p> <p>The following documents have been received Form-1, Form-2, PFRL checklist, EIA and EMP, Mining Plan and approval letter, D.L.C., DSR, Village sheet, Cluster certificate, topomap etc.</p> <p>The following deficiencies/omission have been noticed in the above documents.</p> <ul style="list-style-type: none"> • Nil <p>Distance from nearest sanctuary/ESZ-Karalapat WLS-17.2km Whether the lease area coming in D.L.C. report-No Whether the lease area reflecting in DSR-Yes Method of mining- Semi-Mechanized Whether it is part of cluster - No Whether EC obtained earlier- No Production capacity per annum-3600 cum/annum(max.), Geological reserve-38150 cum, Mineable reserve-202000 cum This is a B1 category project. Whether SEAC recommended the proposal -Yes</p> <p>Other points</p> <ol style="list-style-type: none"> 1. The ToR for this was issued by SEIAA vide letter no. 289/SEIAA dt. 02.02.2021 2. The D.F.O., Koraput had submitted D.L.C. report vide letter no. 4882 dt. 03.10.2017 with mentioned that the proposed quarry is not coming in D.L.C. report. 3. Mining is proposed by opencast and semi mechanized method with the deployment of machines like L/D bore machine, jack hammer drill, compressor, hydraulic excavators & tippers. 4. The decorative stone blocks will be extracted, loaded and transferred from a quarry face to the stone cutting shop/processing plant/port through trailers/tries/trucks. 5. Total water requirement for the project will be 5 KLD out of which 2 KLD will be required for drinking and domestic purpose and 1.5 KLD for dust suppression and 1.5 KLD for plantation purpose. Source of domestic water will be nearby village well. No electricity connection within ML area. 6. A total of 25 people have been employed for smooth operation of the mine. 7. The EIA/EMP report is based on the data generated from October 2020 to December 2020 by M/s Kaiyani Laboratories Private Limited. The study 	EC be given, with usual conditions for stone quarries. PM _{2.5} and PM ₁₀ concentration in the air in the vicinity has to be maintained within a permissible limit at all times.
---	--------	-------------------------	----------------------	------------------------	--	------------	---------------------------------------	-----------------------------------	--	--

- area is confined to 10 km radius of the ML area.
8. From the soil analysis result, it can be concluded that the soil of the area is having low fertility in terms of Nitrogen and medium in terms of Potassium content and high in terms of Phosphorous content. The cultivation observed in the agricultural fields is Paddy, Cotton, Sunflower, Fax Seed, Maize, Small millet and vegetables.
 9. During the study period, the concentration of PM_{10} in the project site varies from 33.6-37.5 $\mu\text{g}/\text{m}^3$ and from 26.6-63.8 $\mu\text{g}/\text{m}^3$ in the nearby villages. The value of $PM_{2.5}$ in the project site is 15.3-19.8 $\mu\text{g}/\text{m}^3$ and the average of $PM_{2.5}$ varies from 16.8-22.6 $\mu\text{g}/\text{m}^3$ in the surrounding villages.
 10. The pH of the sample water ranges from 6.8-7.2, EC value ranges from 0.118-0.200 mS/cm, D.O ranges from 6.8-7.1 mg/l, BOD in nearby waterbody is less than 1 mg/L, TDS ranges from 90-150 mg/l, total hardness varies from 84-100, nitrate value ranges from 0.3-0.6 mg/l, Fluoride content ranges from 0.4-0.8 mg/l.
 11. As Per the data it has been observed that the pH of the ground water varies from 6.5 To 7.8, Chlorides Ranges From 6.0-18.0 Mg/L. Sulphates value found to be less than 0.01, Fluoride Ranges low in lease area i.e. < 0.05. Hardness varies from 48-80 mg/l. Total dissolved solid 70-140 mg/l & the above results shows that ground water is suitable for human consumption at free place. The water quality of the area has been analysed as per IS 10500: 2012 and found to be suitable for drinking purpose. The water does not contain any physical or chemical contamination.
 12. The study area within 10 Km of the project site is devoid of any national parks, sanctuaries, Biosphere reserves, wild life corridors, tiger reserves etc.
 13. The prediction of air quality due to proposed activities through simulation model shows that, taking into account of all the conceptual particulate matter generating area of decorative stone mining at Anabadi as the source parameter the maximum incremental Ground Level Concentration (GLC) of PM_{10} will be 1.11 $\mu\text{g}/\text{m}^3$ in W direction at a distance of 100m in the lease area. The resultant concentration of PM_{10} will be 38.51 $\mu\text{g}/\text{m}^3$ which is well below the prescribed National standard of ambient air quality.
 14. The mining activity is not likely to intersect ground water as the ground water table occurs at 540 mRL in summer season and in Rainy season at 650 mRL. The mining will go up to the maximum depth of 612 mRL. So there will be no chance of intersecting the ground water table by the mining activity during the conceptual period also.
 15. The plantation will be done over an area of 1.552 Ha in the lease boundary and open spaces available. By the end of conceptual period the dumping and stacking area will be covered under plantation.
 16. The Public Hearing was conducted on Dtd.17.11.2021 at 11 A.M. over plot No. 70, Khata No.23, in Mundapadar village under Bandhugaon talail of Koroput district, Odisha. The major issues raised during public hearing area pollution control, health education, drinking water facility, employment

									<p>for the local youth etc.</p> <p>17. The updated capital cost and recurring cost (per annum) for the environmental facilities for the project works out to 9.5 Lakhs and 5.7 Lakh / year respectively. The cost allocated for social developmental work as per commitment made during public hearing will be 32.80 Lakhs.</p> <p>18. The Environment consultant M/s Kalyani Laboratories Pvt. Ltd., Plot No. 78/944, Millenium City, Pahala, Bhubaneswar - 752101 along with the proponent has made a presentation on the proposal before the Committee on 04.02.2022.</p> <p>19. The SEAC recommended the proposal for EC with standard stipulated conditions.</p>	
									In view of the above the proposal may be placed in the SEIAA meeting for consideration.	
7.	B2 EC	1(a) Mining of minerals	2456 41/17. S- MINB 2/01- 2022	Tahasildar, Chikiti	Proposal of Tahasildar, Chikiti for EC of Chiladi River Sand Bed-II over an area of 11.786 Acres or 4.770 Ha. in Khata No. 462, Plot No. 15/2957, at Village-Chiladi, Tahasildar-Chikiti, Dist-Ganjam	07.01.2022	Defer red by SEIAA	The proposal was placed in 71 st SEIAA meeting and it was decided as follows: "If the river is Bahuda, how is the proposal named Chiladi Sand Bed-I? Where is Chiladi Sand Bed-I? Is it part of a cluster? These points need to be clarified by Tahasildar promptly. He has to submit detailed procedure to be adopted	<p>This is regarding a new proposal for mining of minor mineral Sand. The project has submitted at SEIAA under Category 'B2' as the lease area is 35 Ha. As per the EIA Notification, 2006, this project falls in the schedule under Sl. No-1(a) - "Mining of Mineral" of non-coal mining sector. The project proponent has submitted proposal for grant of EC for Chiladi River Sand Bed over a lease area 4.77Ha/11.786 acre at village-Chiladi, Tahasildar-Chikiti and District-Ganjam and the project proponent is Tahasildar, Chikiti.</p> <p>The following documents have been received Checklist, form-1, DSR, PFR, EMP, topomap, village sheet, lease order, mining approval letter, mining plan, cluster clarification.</p> <p>The following deficiencies/omission have been noticed in the above documents.</p> <ul style="list-style-type: none"> • Nil <p>Distance from nearest sanctuary/ESZ- 62km Whether the lease area coming in D.L.C. report-No Whether the proposal reflect in the DSR- Yes Method of mining-Manual River-Bahuda, depth of sand deposition-2.0m Distance from Nearest Road/railway Bridge- 2.7 km Whether it is part of cluster -No Whether EC obtained earlier - Yes, submitted earlier EC compliance Production capacity per annum- 500t cum/ annum(max.) This is a B2 category project.</p> <p><u>Other points</u> The SEAC in its meeting held on 01.11.2021 and recommended the proposal to grant of EC valid from the date of EC accorded upto the lease period and submitted the appraisal report to SEIAA vide letter no. 765/SEAC, dt. 03.11.2021. The proposal was placed in 71st SEIAA meeting and it was decided as follows. "If the river is Bahuda, how is the proposal named Chiladi Sand Bed-I? Where is Chiladi Sand Bed-I? Is it part of a cluster?"</p>	EC may be given with condition that rate of replenishment study at the site shall be conducted and report submitted by November, 2022 as per prescribed method. For the 1 st year, maximum depth of sand extraction shall be 1m.

							for carrying out the rate of replenishment study at the site.	These points need to be clarified by Tahasildar promptly. He has to submit detailed procedure to be adopted for carrying out the rate of replenishment study at the site". Accordingly, ADS letter issued by SEIAA vide letter no. 4115/SEIAA dated 02.03.2022. Now the Tahasildar has submitted their ADS reply vide his no. 1321 dated 14.03.2022. In view of the above the proposal may be placed in the SEIAA meeting for consideration.	
8.	B2, EC	1(a) Mining of minerals	2534 35/21 3-MINB 2/01-2022	Tahasildar, Chikiti	Proposal of Tahasildar Chikiti for EC of Sundarada Bira Chaitanyapur River Sand Bed, over an area of 5.00 Ha bearing Khata No: 223, Plot No: 1059. At village-Sundarada Bira Chaitanyapur, Tahasil-Chikiti, Dist-Ganjam	26.01.2022	Deferred by SEIAA	<p>The proposal was placed in 71st SEIAA meeting and it was decided as follows: "Since so many quarries are proposed on Bahuda river, a clear map may be furnished to justify that these quarries are not in a cluster. Also, whether these quarry sites are part of CRZ area may be clarified by referring to ICZMA project. Compliance report on previous EC may be</p> <p>This is regarding a new proposal for mining of minor mineral sand. The project has submitted at SEIAA under Category 'B2' as the lease area is 5 Ha. As per the EIA Notification, 2006, this project falls in the schedule under Sl.No-1(a) - "Mining of Mineral" of non-coal mining sector. The project proponent has submitted proposal for grant of EC for Sundarada Bira Chaitanyapur River Sand Bed over a lease area 5.00Ha/12.355 acre at village-Sundarada Bira Chaitanyapur, Tahasil-Chikiti and District-Ganjam and the project proponent is Tahasildar, Chikiti.</p> <p>The following documents have been received Checklist form-1, DSR, PFR, EMP, topomap, village sheet, lease order, mining approval letter, mining plan, cluster clarification. The following deficiencies/omission have been noticed in the above documents.</p> <ul style="list-style-type: none"> Nil <p>Distance from nearest sanctuary/ESZ Lakhari valley WLS-73km Whether the lease area coming in D.L.C. report-No Method of mining-Manual River-Bahuda, depth of sand deposition-1.5m Distance from Nearest Road/railway Bridge-0.55km Whether it is part of cluster -No Whether EC obtained earlier - Yes Production capacity per annum-7005cum/annum(max.) This is a B2 category project.</p> <p><u>Other points:</u> SEIAA offline file No.1796/08 received on dated 00.08.2021 The SEAC in its meeting held on 01.11.2021 and recommended the proposal to grant of EC valid from the date of EC accorded upto the lease period and submitted the appraisal report to SEIAA vide letter no. 765/SEAC, dtd.03.11.2021. The proposal was placed in 71st SEIAA meeting and it was decided as follows: "Since so many quarries are proposed on Bahuda river, a clear map may be furnished to justify that these quarries are not in a cluster. Also, whether these quarry sites are part of CRZ area may be clarified by referring to ICZMA project. Compliance report on previous EC may be submitted by PP immediately". Accordingly, ADS letter issued by SEIAA vide letter no. 4115/SEIAA dated 02.03.2022</p>	A clear map has to be furnished (drawn to scale) showing thereon the location of all proposed sand quarries in Bahuda river, the interstate boundary, and the CRZ boundary.

							submitted by PP immediately	Now the Tahasildar has submitted their ADIS reply vide his no. 1321 dated 14.03.2022. In view of the above the proposal may be placed in the SEIAA meeting for consideration.	
9.	B1, ToR	1(a) Mining of minerals	SIA/ OR/ MIN/ 6672- 8/202 1	M/S Sun Alloys & Minerals Ltd.	Patamunda manganese mine over an area of 43.532 Ha. At Village: Patamunda, Tahasil: Koida, District: Sundergarh, Odisha	20.08. 2021	Under examination of SEIAA after SEAC	The proposal was placed in 68 th SEIAA meeting and it was decided as follows: "SEAC may be requested to clarify if it is not a violation case". This is regarding a new proposal for mining of Manganese Ore. The project has submitted at SEIAA under Category 'B1' as the lease area is <100.0 Ha. As per the EIA Notification, 2006, this project falls in the schedule under Sl.No-1(a) - "Mining of Mineral" of non-coal mining sector. The project proponent has submitted proposal for grant of EC for Patamunda Manganese ore mining, over a total lease area 43.532Ha at Village-Patamunda, Tahasil-Koida and District-Sundergarh and the project proponent is M/s/ Sun alloys & Minerals Ltd. The following documents have been received Checklist, form-1, PFR, topomap, lease order, mining approval letter, mining plan. The following deficiencies/omission have been noticed in the above documents. <ul style="list-style-type: none"> • FC certificate and certificate from DFO regarding exclusion of 0.036 ha DLC forest land. • Details of Public Hearing conducted earlier to be submitted Notes <ol style="list-style-type: none"> 1. The lease was executed on 23.10.1991 for a period of 10 years i.e. upto 11.02.2006. First RML application was filed on 04.05.2005 for 20 years (from 12.02.2006 to 11.02.2026) on a reduction of lease area from 81.197 ha to 43.568 ha. 2. Mining operation continued within the ML area till 22.12.2009 under deemed clause of Rule 24 A (B) of MCR 1960. 3. The Mining operation was closed by the DFO, Bomal vide letter No 6254 dt 22.12.2009 for want of forest clearance over an area of 0.036 Ha of DLC forest land. Later the PP reduced the lease area 43.532 Ha (excluded the 0.036 Ha DLC land). 4. The mineable reserve of manganese ore in the lease area is 1,96,538 MT. In the ensuing plan period about 21,734 MT will be exploited. After this plan period balance mineable reserves of 1,77,104 MT of manganese ore will be available. Keeping in view the production of manganese ore @5500 per annum, life of the mine will be 32.21 years or say 33 years after the current plan period. So, total life of the mine will be 33 years including this plan period. 5. Presently there are four existing quarries namely Quarry-1,2,3 and 4. There are seven nos. of existing dumps are present in the lease area. 6. Mining plan is approved by Regional Controller of Mines vide letter no. 285 on dtd. 17.08.2021. 7. The application for EC was made by the lessee and Public hearing for the said project was conducted on 10.04.2010 8. State Pollution Control Board, Odisha accorded Consent to Establish vide their letter No 22809/nd-II-5429 dated 12.11.2012. 9. The Mine was operating since 1997-98 and continued operation till 2009-10 	Issue TOR (General + Specific) applicable for violation case. Public Hearing may be conducted afresh. EC compliance report be submitted again on full compliance of all prescribed conditions within one month.

without obtaining Environment clearance. Environment clearance is applicable to the mines under EIA Notification 1994 as well as 2006.

10. Violation has been made by the lessee under E(P) Act, 1986 and the application for ToR has been made under the case of violation.

11. The SEAC recommended the proposal for issued of ToR with following specific to ToR and additional specific ToR conditions recommended by CSIR-NEERI for EIA and EMP.

- a. The State Government to take action against the project proponent under the provisions of section 19 of the Environment (Protection) Act, 1986, and further no Consent to Operate to be issued till the project is granted Environmental Clearance.
- b. The project proponent shall be required to submit a bank guarantee equivalent to the amount of remediation plan and natural and community resource augmentation plan with the SPCB prior to the grant of Environmental Clearance. The quantum shall be recommended by the SEAC and finalized by the regulatory authority i.e. SEIAA, Odisha. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the SEAC and approval of the regulatory authority i.e. SEIAA, Odisha.
- c. Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
- d. Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
- e. The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.
- f. Public hearing has already been conducted for the proposal earlier on 10.04.2012, a copy of which is also furnished with EIA/EMP. For this reason, conducting a fresh Public Hearing has been exempted.
- g. One season fresh base line data to be generated for EIA/EMP preparation.
- h. To submit the lease sketch approved by DMG, at the time of presentation before SEAC.
- i. Fund allocation for Corporate Environment Responsibility (CER) shall be made as per Ministry's O.M. No. 22-65/2017-IA(I) dated 1st May, 2016 for various activities therein. The details of fund allocation and activities for CER shall be incorporated in EIA/EMP report.
- j. Detailed hydrological study to be carried out in core and buffer zone of the project as per the recent GEC guidelines 2015.
- k. Approved mining plan is to be submitted.
- l. Recent compliance report from the regional office of MoEF & CC, Govt. of India, Bhutanagar for the existing Environmental Clearance, if any.

									<p>The SEAC re-examine the proposal in its meeting held on 15.03.2022 and decided that the case may be considered as violation case and ToFTs may be issued under violation case as recommended by SEAC in its meeting held on 05.01.2022.</p> <p>In view of the above the proposal may be placed in the SEIAA meeting for issue of ToR.</p>	
10.	B2, EC	1(a) Mining of minerals	SIA/ OR/ MIN/ 2418-13/2021	Tahasildar, Khaprakhol	Proposal of EC of Goudpali Sand Quarry over an area of 12.00 Acres or 4.856 Ha at village-Goudpali, Tahasil-Khaprakhol, District-Balangir	10.12.2021	Under examination of SEIAA after SEAC	This is an online proposal for EC	<p>This is regarding a new proposal for mining of minor mineral Sand. The project has submitted at SEIAA under Category 'B2' as the lease area is 5.50 Ha. As per the EIA Notification, 2006, this project falls in the schedule under Sl.No-1(a) - 'Mining of Mineral' of non-coal mining sector. The project proponent has submitted proposal for grant of EC for Goudpali sand quarry over an area of 12.00 acres or 4.856 ha. in village Goudpali under Khaprakhol Tahsil of Balangir District, Odisha and the PP is Tahasildar, Khaprakhol.</p> <p>The following documents have been received Form-1, Form-2, PFR, checklist, EMP, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate, topomap etc.</p> <p>The following deficiencies/omission have been noticed in the above documents,</p> <ul style="list-style-type: none"> Nil <p>Distance from nearest sanctuary/ESZ-Scrabeda WLS-68.0km Whether the lease area coming in D.L.C. report-No Whether the lease area reflecting in DSR-Yes Method of mining- Manual River-Suktel, depth of sand deposition-1.0m Distance from Nearest Road Bridge-0.5km, village road-0.4km Whether it is part of cluster - No Whether EC obtained earlier- Yes, submitted EC compliance Production capacity per annum-2500 cum/annum(max.), Geological reserve-32044 cum, Mineable reserve-24979 cum.</p> <p>This is a B2 category project. Whether SEAC recommended the proposal -Yes.</p> <p>In view of the above the proposal may be placed in the SEIAA meeting for consideration.</p>	EC be given. Rate of replenishment of sand at the site has to be studied as per prescribed method and report shall be submitted to us by November, 2022. Maximum quantity of depth is 0.5m.
11.	B2, EC	1(a) Mining of minerals	SIA/ OR/ MIN/ 2465-52/2021	Tahasildar, Bangirposi	Proposal of EC of Taltikiri - Chandanpur Sand Bed Over an area of 6.63 Acres	21.12.2021	Under examination of SEIAA after	This is an online proposal for EC.	<p>This is regarding a new proposal for mining of minor mineral Sand. The project has submitted at SEIAA under Category 'B2' as the lease area is 5.50 Ha. As per the EIA Notification, 2006, this project falls in the schedule under Sl.No-1(a) - 'Mining of Mineral' of non-coal mining sector. The project proponent has submitted proposal for grant of EC for Taltikiri sand quarry over an area of 6.63 acres or 2.683 ha. in village Taltikiri under Bangirposi Tahsil of Mayurbhanj District, Odisha and the PP is Tahasildar, Bangirposi.</p> <p>The following documents have been received</p>	EC declined as it is situated in the eco-sensitive zone of Similipal Sanctuary.

					or 2583 hectares in village Taltikiri under Bangiriposi Tahasil of Mayurbhanj District		SEA C	Form-1, Form-2, PFR, checklist, EMP, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate, topomap etc. The following deficiencies/omission have been noticed in the above documents. • Nil Distance from nearest sanctuary/ESZ-Similipal WLS-14.0km Whether the lease area coming in D.L.C. report-No Whether the lease area reflecting in DSR-Yes Method of mining- Manual River-Katra, depth of sand deposition-0.5m Distance from Nearest Road Bridge-1.7km, village road-0.5km Whether it is part of cluster - No Whether EC obtained earlier- No Production capacity per annum-4500 cum/annum(max.), Geological reserve-7388 cum, Mineable reserve-93662.8 cum This is a B2 category project. Whether SEAC recommended the proposal -No, rejected the proposal as the proposed quarry coming in ESZ of Similipal Biosphere Reserve. In view of the above the proposal may be placed in the SEIAA meeting for consideration.	
12	B2, EC	1(a) Mining of minerals	SIA/ OR/ MIN/ 2406 79/20 21	Tahasil Rasulpur	Proposal for EC of Durgaparkuda-II Sand quarry (Brahmani river) over an area of 12.30 acres or 4.977ha. in village Durgaparkuda under Rasulpur Tahsil of Jajpur District, Odisha	04.01 2022	Under examination of SEIAA after SEA C	This is a online-proposal for EC. This is regarding a new proposal for mining of minor mineral Sand. The project has submitted at SEIAA under Category 'B2' as the lease area is ≤ 5.0 Ha. As per the EIA Notification, 2006, this project falls in the schedule under Sl.No-1(a) -'Mining of Mineral' of non-coal mining sector. The project proponent has submitted proposal for grant of EC for Durgaparkuda-II sand quarry (Brahmani river) over an area of 12.30 acres or 4.977ha. in village Durgaparkuda under Rasulpur tahsil of Jajpur District, Odisha and the PP is Tahasildar, Rasulpur. The following documents have been received Form-1, Form-2, PFR, checklist, EMP, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate, topomap etc. The following deficiencies/omission have been noticed in the above documents. • Nil Distance from nearest sanctuary/ESZ-Bhitarkanika WLS-71.0km Whether the lease area coming in D.L.C. report-No Whether the lease area reflecting in DSR-Yes Method of mining- Manual River-Brahmani, depth of sand deposition-2.2m Distance from Nearest Road Bridge-0.5km, village road-0.4km Whether it is part of cluster - No Whether EC obtained earlier- Yes, submitted EC compliance Production capacity per annum-22000 cum/annum(max.), Geological reserve-106509.4 cum, Mineable reserve-93662.8 cum	Maximum depth allowed 1m. Maximum quantity of extraction of sand ; 10000 cum in 1 st year. By November, 2022 rate of replenishment study at the site has to be completed and report to be submitted.

									<p>This is a B2 category project. Whether SEAC recommended the proposal –Yes</p> <p>In view of the above the proposal may be placed in the SEIAA meeting for consideration.</p>	
13	B2, EC	Sand	SlA/ OR/ MIN/ 2654/ 19/20 22	Tahasildar, Biramitrapur	Proposal of Tahasildar, Biramitrapur for EC of Teterkela Sand Bed over an area 11.52 Acres or 4.662 Ha in village- Teterkela, Tahasil- Biramitrapur, District- Sundargarh.	07.02.2022	Under examination of SEIAA after SEA C	<p>This is an online proposal for EC</p> <p>This is regarding a new proposal for mining of minor mineral Sand. The project has submitted at SEIAA under Category 'B2' as the lease area is ≤ 5.0 Ha. As per the EIA Notification, 2006, this project falls in the schedule under Sl.No-1(a) –"Mining of Mineral" of non-coal mining sector. The project proponent has submitted proposal for grant of EC for Teterkela Sand Bed over an area 11.52 ac or 4.662 hect in Teterkela village of Biramitrapur tahasil in Sundargarh district, Odisha and the PP is Tahasildar, Biramitrapur.</p> <p>The following documents have been received Form-1, Form-2, PFR, checklist, EMP, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate, topomap etc.</p> <p>The following deficiencies/omission have been noticed in the above documents.</p> <ul style="list-style-type: none"> • Earlier there was NGT case of O.A. 117/2021 on said sand bed and after submission of joint verification report the case now disposed with direction to District Administration to repair of village road was used for sand transportation and reclamation of earlier quarry with expending the penalty amount was collected by the concerned Tahasildar for illegal mining. • During inspection it was found that the road bridge located within 200 meter from the sand bed and the lease area was not demarcated. • The Sub-Collector and Tahasildar, Biramitrapur have inform to the inspection team that earlier the said quarry was operated for a period of one year only but due to not submission of Royalty by the lessee and the lessee was arrested and in jail due to some other reason, the lease is canceled and apply for fresh EC. Also they informed that after obtaining EC the demarcation of lease area will be done later. <p>Distance from nearest sanctuary/ESZ-Palkot WLS-65.8km Whether the lease area coming in D.L.C. report-No Whether the lease area reflecting in DSR-Yes. Method of mining- Manual River-Koel, depth of sand deposition-1.5m Distance from Nearest Road Bridge-0.8km, village road-1.6km Whether it is part of cluster – No Whether EC obtained earlier- Yes, not submitted EC compliance Production capacity per annum-12000 cum/annum(max.), Geological reserve- 69932 cum, Mineable reserve-59474 cum</p> <p>This is a B2 category project. Whether SEAC recommended the proposal –Yes. In view of the above the proposal may be placed in the SEIAA meeting for consideration.</p>	<p>Since this is coming within an NGT order dated 22.02.2022, full compliance with the said order has to be ensured first. Any fresh lease of quarry has to be on the basis of proper pillar positing of lease area boundary, and study of rate of replenishment of sand in this area by November, 2022.</p>	

14	B2, EC	Stone	SIA/ OR/ MIN/ 2553 73/20 22	TAHA SILDAR KALAHANDI	Proposal for grant of Environmental Clearance of Jojananupada Stone Quarry-II over an area of 2.00 Acres or 0.809 Hectares in village Jojananupada under Kalahandi tahasil of Kalahandi district.	07.02.2022	Under examination of SEIAA after SEA C	This is an online proposal for EC.	<p>This is regarding a new proposal for mining of minor mineral Stone. The project has submitted at SEIAA under Category 'B2' as the lease area is ≤ 5.0 Ha. As per the EIA Notification, 2006, this project falls in the schedule under Sl.No-1(a) – 'Mining of Mineral' of non-coal mining sector. The project proponent has submitted proposal for grant of EC Jojananupada Stone Quarry-II over an area of 2.00 Acres or 0.809 Hectares in village Jojananupada under Kalahandi tahasil of Kalahandi district and the project proponent is Tahasildar Kalahandi.</p> <p>The following documents have been received Form-1, Form-2, PFR, checklist, EMP, Mining Plan and approval letter, D.L.C., DSR, Village sheet, Cluster certificate, topomap etc.</p> <p>The following deficiencies/omission have been noticed in the above documents.</p> <ul style="list-style-type: none"> • Nil <p>Distance from nearest sanctuary/ESZ-Kalahandi WLS-42.4km Whether the lease area coming in D.L.C. report-No Whether the lease area reflecting in DSR-Yes Method of mining- Semi-Mechanized Distance from Nearest Road Bridge-4.0km, village road-0.8km, electric transmission line-0.2km Whether it is part of cluster – Yes, total lease area under cluster- 2.023Ha, submitted cluster EMP Whether EC obtained earlier- No Production capacity per annum-3500 cum/annum(max.), Geological reserve-127737 cum, Mineable reserve-55440 cum This is a B2 category project. Whether SEAC recommended the proposal –Yes</p> <p>In view of the above the proposal may be placed in the SEIAA meeting for consideration.</p>	EC be given with usual conditions. Safety of electric transmission poles has to be ensured by shifting the lease area by further 100m.
15	B2, EC	Sand	SIA/ OR/ MIN/ 2365 97/20 21	TAHA SILDAR AUL	Proposal for EC of Kharasrota river sand, Aragal, over lease area 11.50 acres/4.653 Ha in village-Aragal, Tahasil-Aul Dist-Kendrapad	07.02.2022	Under examination of SEIAA after SEA C	This is an online proposal for EC.	<p>This is regarding a new proposal for mining of minor mineral Sand. The project has submitted at SEIAA under Category 'B2' as the lease area is ≤ 5.0 Ha. As per the EIA Notification, 2006, this project falls in the schedule under Sl.No-1(a) – 'Mining of Mineral' of non-coal mining sector. The project proponent has submitted proposal for grant of EC for Kharasrota River Sand Bed, Aragal over an area 11.50 ac or 4.653 hect in Aragal village of Aul tahasil in Kendrapada district, Odisha and the PP is Tahasildar, Aul.</p> <p>The following documents have been received Form-1, Form-2, PFR, checklist, EMP, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate, topomap etc.</p> <p>The following deficiencies/omission have been noticed in the above documents.</p> <ul style="list-style-type: none"> • Nil <p>Distance from nearest sanctuary/ESZ-Bhitarkanika WLS-38.0km Whether the lease area coming in D.L.C. report-No</p>	EC be given. Maximum digging allowed is 0.5m. Rate of replenishment study be conducted at the site and report shall be submitted by

								<p>Whether the lease area reflecting in DSR-Yes Method of mining- Manual River-Kharasrota, depth of sand deposition-1.0m Distance from Nearest Road Bridge-0.5km, village road-0.5km Whether it is part of cluster - No Whether EC obtained earlier- Yes, and submitted EC compliance Production capacity per annum-660 cum/annum(max). Geological reserve-6648 cum, Mineable reserve-4449 cum This is a B2 category project. Whether SEAC recommended the proposal -Yes.</p> <p>In view of the above the proposal may be placed in the SEIAA meeting for consideration.</p>	November, 2022
16.	B2, EC	Sand	SIA/ OR/ MIN/ 2369 51/20 21	TAHA SILDAR AUL	Proposal for EC of Kharasrota river sand, Gobindpur to Juania over lease area 11.48 acres/4.64 Ha in village- Juania Tahasil-Aul Dist- Kendrapada	07.02.2022	Under examination of SEIAA after SEAC	<p>This is an online proposal for EC.</p> <p>This is regarding a new proposal for mining of minor mineral Sand. The project has submitted at SEIAA under Category "B2" as the lease area is ≤ 5.0 Ha. As per the EIA Notification, 2006, this project falls in the schedule under Sl.No-1(a) - "Mining of Mineral" of non-coal mining sector. The project proponent has submitted proposal for grant of EC for Kharasrota river sand, Gobindpur to Juania over lease area 11.48 acres/4.64 Ha in village-Juania Tahasil-Aul Dist-Kendrapada and the PP is Tahasildar, Aul.</p> <p>The following documents have been received Form-1, Form-2, PFH, checklist, EMP, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate, topomap etc.</p> <p>The following deficiencies/omission have been noticed in the above documents.</p> <ul style="list-style-type: none"> • Nil <p>Distance from nearest sanctuary/ESZ-Bhitarkanika WLS-37.0km Whether the lease area coming in D.L.C. report-No Whether the lease area reflecting in DSR-Yes Method of mining- Manual River-Kharasrota, depth of sand deposition-1.0m Distance from Nearest Road Bridge-2.05km, village road-0.3km Whether it is part of cluster - No Whether EC obtained earlier- Yes, and submitted EC compliance Production capacity per annum-650 cum/annum(max.), Geological reserve-5532 cum, Mineable reserve-3627 cum This is a B2 category project. Whether SEAC recommended the proposal -Yes.</p> <p>In view of the above the proposal may be placed in the SEIAA meeting for consideration.</p>	EC be given. Maximum digging allowed is 0.5m. Rate of replenishment study be conducted at the site and report shall be submitted by November, 2022

17	B2, EC	Stone	SIA/ OR/ MIN/ 2475 68/20 21	Banud har Pradh an	Proposal for EC of Marada Stone Quarry over lease area 4.957 Ha in village- Marada, Tahasil- Bhapur, Dist- Nayagam	08.02. 2022	Unde r exam inatio n of SEIA A after SEA C	This is a online proposal for EC.	<p>This is regarding a new proposal for mining of minor mineral Stone. The project has submitted at SEIAA under Category 'B2' as the lease area is ≤ 5.0 Ha. As per the EIA Notification, 2006, this project falls in the schedule under Sl.No-1(a) -"Mining of Mineral" of non-coal mining sector. The project proponent has submitted proposal for grant of EC for Marada stone quarry, over an area 4.957 ha/12.25 acres at-Marada, Tahasil, Bhapur, Dist: Nayagam, Odisha and the project proponent is Sri Benudhar Pradhan.</p> <p>The following documents have been received Form-1, Form-2, PFR, checklist, EMP, Mining Plan and approval letter, D.L.C., DSR, Village sheet, Cluster certificate, topomap etc.</p> <p>The following deficiencies/omission have been noticed in the above documents.</p> <ul style="list-style-type: none"> • Nil <p>Distance from nearest sanctuary/ESZ-Baisgali WLS-28.0km Whether the lease area coming in D.L.C. report-No Whether the lease area reflecting in DSR-Yes Method of mining- Semi-Mechanized Distance from Nearest Road Bridge-5.85km, village road-0.8km Whether it is part of cluster - No Whether EC obtained earlier- No Production capacity per annum-30528 cum/annum(max.), Geological reserve- 896064 cum, Mineable reserve-610272 cum This is a B2 category project. Whether SEAC recommended the proposal -Yes</p> <p>In view of the above the proposal may be placed in the SEIAA meeting for consideration.</p>	EC be given with usual stipulations for stone quarries.
18	B2, EC	Stone	SIA/ OR/ MIN/ 2471 67/20 21	Tahasil dar, Kabisuryanagar	Proposal for EC of Innam Tali Amapalli Stone Quarry, over an area 1.214 ha khata no: 418, plot no: 321, at Innam Tali Amapalli, Tahasil: Kabisuryan	08.02. 2022	Unde r exam inatio n of SEIA A after SEA C	This is a online proposal for EC.	<p>This is regarding a new proposal for mining of minor mineral Stone. The project has submitted at SEIAA under Category 'B2' as the lease area is ≤ 5.0 Ha. As per the EIA Notification, 2006, this project falls in the schedule under Sl.No-1(a) -"Mining of Mineral" of non-coal mining sector. The project proponent has submitted proposal for grant of EC for Innam Tali Amapalli stone quarry-2, over an area 1.214 ha khata no: 418, plot no: 321, At Innam Tali Amapalli, Tahasil, Kabisuryanagar, Dist: Ganjam, Odisha, and the project proponent is Tahasilidar Kabisuryanagar.</p> <p>The following documents have been received Form-1, Form-2, PFR, checklist, EMP, Mining Plan and approval letter, D.L.C., DSR, Village sheet, Cluster certificate, topomap etc.</p> <p>The following deficiencies/omission have been noticed in the above documents.</p> <ul style="list-style-type: none"> • Nil <p>Distance from nearest sanctuary/ESZ-Lakhan valley WLS-50.0km Whether the lease area coming in D.L.C. report-No Whether the lease area reflecting in DSR-Yes Method of mining- Semi-Mechanized</p>	EC be given with usual stipulations for stone quarries.

					agar, Dist: Ganjam, Odisha.				Distance from Nearest Road Bridge-13.5km, village road-4.5km. Whether it is part of cluster - No Whether EC obtained earlier-No Production capacity per annum-5882.4 cum/annum(max.), Geological reserve-148588 cum, Mineable reserve-81909 cum This is a B2 category project. Whether SEAC recommended the proposal -Yes In view of the above the proposal may be placed in the SEIAA meeting for consideration.	
19.	B2, EC	Sand	SIA/ OR/ MIN/ 2465 73/20 22	Tahasildar, Rasgobindpur	Ramachandrapur-Vedisahi Jambhira River Sand Bed Over an area of 12.35 Acres or 5.00Hectares in Village Ramachandrapur & Vedisahi under Rasgobindpur Tahasil of Mayurbhanj District of Odisha.	08.02.2022	Under examination of SEIAA after SEAC	This is an online proposal for EC.	This is regarding a new proposal for mining of minor mineral Sand. The project has submitted at SEIAA under Category 'B2' as the lease area is ≤ 5.0 Ha. As per the EIA Notification, 2006, this project falls in the schedule under Sl.No-1(a) -"Mining of Mineral" of non-coal mining sector. The project proponent has submitted proposal for grant of EC for Ramachandrapur-Vedisahi Jambhira River Sand Bed Over an area of 12.35 Acres or 5.00Hectares in Village Ramachandrapur & Vedisahi under Rasgobindpur Tahasil of Mayurbhanj District of Odisha, and the PP is Tahasildar, Rasgobindpur. The following documents have been received Form-1, Form-2, PFR, checklist, EMP, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate, topomap etc. The following deficiencies/omission have been noticed in the above documents. • Nil Distance from nearest-sanctuary/ESZ-Kudaha WL.5-45.0km. Whether the lease area coming in D.L.C. report-No Whether the lease area reflecting in DSR-Yes Method of mining- Manual River-Jambhira, depth of sand deposition-1.0m Distance from Nearest Road Bridge-4.4km, village road-1.6km. Whether it is part of cluster - No Whether EC obtained earlier- Yes, submitted EC compliance: Production capacity per annum-15000 cum/annum(max.), Geological reserve-31163 cum, Mineable reserve-20450 cum This is a B2 category project. Whether SEAC recommended the proposal -Yes. In view of the above the proposal may be placed in the SEIAA meeting for consideration.	EC be given. Maximum digging depth is 0.5m. Maximum quantity allowed for extraction in 1 st year 5000 cum. Rate of replenishment study be conducted and report submitted by November, 2022
20.	B2, EC	Sand	SIA/ OR/ MIN/ 2555 69/20 22	Tahasildar, Malkangiri	Proposal for grant of EC of Puspalli Sand Quarry over an	08.02.2022	Under examination of SEIAA	This is an online proposal for EC.	This is regarding a new proposal for mining of minor mineral Sand. The project has submitted at SEIAA under Category 'B2' as the lease area is ≤ 5.0 Ha. As per the EIA Notification, 2006, this project falls in the schedule under Sl.No-1(a) -"Mining of Mineral" of non-coal mining sector. The project proponent has submitted proposal for grant of EC for Puspalli Sand Quarry over an area 7.41acres or 3.000hect. in Puspalli village of Malkangiri Tahasil in Malkangiri dist, Odisha and the PP is Tahasildar, Malkangiri.	Declined as there is very scanty deposit of sand in the applied area.

					area 7.41 acres or 3.000 hect. in Puspalli village of Malkangiri Tahasil in Malkangiri dist, Odisha		after SEA C		<p>The following documents have been received Form-1, Form-2, PFR, checklist, EMP, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate, topomap etc.</p> <p>The following deficiencies/omission have been noticed in the above documents.</p> <ul style="list-style-type: none"> • Nil <p>Distance from nearest sanctuary/ESZ-kangervally WLS-40.0km Whether the lease area coming in D.L.C. report-No Whether the lease area reflecting in DSR-Yes Method of mining- Manual River-Turabunga Garh Nala, depth of sand deposition-0.2m Distance from Nearest Road Bridge-0.5km, village road-0.20km Whether it is part of cluster – No Whether EC obtained earlier- No Production capacity per annum-700 cum/annum(max.), Geological reserve-5097 cum, Mineable reserve-718 cum This is a B2 category project. Whether SEAC recommended the proposal –Yes.</p> <p>In view of the above the proposal may be placed in the SEIAA meeting for consideration.</p>	
21	B2, EC	1(a) Mining of minerals	StA/ OR/ MIN/ 2463 14/20 21	Mirza Abraru li Haque Baig	Proposal of EC of Kollala Sand Quarry over an area of 12.355 acres or 5.00 Hectares bearing khata No. 530, Plot No. 1444 in the village Kollala, Tah asil Patrapur, District	20.12. 2021	Defer red by SEIA A	<p>The proposal was placed in 71st SEIAA meeting and it was decided as follows: "Since so many queries are proposed on Bahuda river, a clear map may be furnished to justify that these queries are not in a cluster. Also, whether</p> <p>This is regarding a New proposal for mining of minor mineral Sand. The project has submitted at SEIAA under Category 'B2' as the lease area is ≤5.0 Ha. As per the EIA Notification, 2006, this project falls in the schedule under Sl.No- 1(a) - "Mining of Mineral" of non-coal mining sector. The project proponent has submitted proposal for prior EC of Kollala Sand Quarry over an area of 12.355 acres or 5.00 Hectares bearing khata No. 530, Plot No. 1444 in the village Kollala, Tahasil Patrapur, District Ganjam, State Odisha and the project proponent is Sri Mirza Abrarul Haque Baig.</p> <p>The following documents have been received Checklist, form-1, DSR, PFR, EMP, topomap, village sheet, lease order, mining approval letter, mining plan, cluster clarification.</p> <p>The following deficiencies/omission have been noticed in the above documents.</p> <ul style="list-style-type: none"> • Nil <p>Distance from nearest sanctuary/ESZ-Lakhan Valley WLS-23.0km Whether the lease area coming in D.L.C. report-No Whether the lease area reflecting in DSR-Yes Method of mining- Manual River- Bahuda, depth of sand deposit-1.5m Distance from Nearest Road Bridge-1.25km, village road-0.20km Whether it is part of cluster – No Whether EC obtained earlier- Yes, submitted earlier EC compliance Production capacity per annum-4000 cum/annum(max.) with depth 1.0m, Geological reserve-64138 cum, Mineable reserve-52558 cum</p>	EC be given. Maximum depth to be 0.75m. Rate of replenishment study be conducted and report shall be submitted by November, 2022	

					Ganjam			these quarry sites are part of CRZ area may be clarified by referring to ICZMA project. Compliance report on previous EC may be submitted immediately.	<p>This is a B2 category project. Whether SEAC recommended the proposal -Yes</p> <p>The proposal was placed in 71st SEIAA meeting and it was decided as follows "Since so many quarries are proposed on Bahuda river, a clear map may be furnished to justify that these quarries are not in a cluster. Also, whether these quarry sites are part of CRZ area may be clarified by referring to ICZMA project. Compliance report on previous EC may be submitted immediately".</p> <p>Accordingly, ADS letter issued by SEIAA vide letter no. 4115/SEIAA dated 02.03.2022.</p> <p>Now the Tahasildar has submitted the ADS vide letter no. 665 dated 05.03.2022, and clarified that</p> <ol style="list-style-type: none"> 1) It is to certify that there is no other mines located within 500 meters from the periphery of lease area. A google map is attached herewith. 2) It is to certify that the proposed quarry site is not a part of CRZ area referring to ICZMA Project. <p>In view of the above the proposal may be placed in the SEIAA meeting for consideration.</p>	
22.	B2, EC	1(a) Mining of minerals	2372 95/46 - MINB 2/11-2021	Tahasildar, Jujomura	Proposal of EC of Barloi Stone Quarry-2 over an area of 1.31 acres or 0.53 Ha at Village-Barloi, Tahasil-Jujomura, District-Sambalpur	05.11.2021	Deferred by SEIAA	<p>The proposal was placed in 70th SEIAA meeting and it was decided as follows: In the DSR it reveals that there are two quarries in the name of Barloi Stone Quarry. This may be clarified by the concerned Tahasildar. How to ensure safety of</p>	<p>This is regarding a new proposal for mining of minor mineral Stone. The project has submitted at SEIAA under Category 'B2' as the lease area is 0.53 Ha. As per the EIA Notification, 2006, this project falls in the schedule under Sl.No-1(a) - "Mining of Mineral" of non-coal mining sector. The project proponent has submitted proposal for grant of EC for Barloi Stone Quarry-2 over a total lease area 0.53Ha/1.31 acre at Village-Barloi, Tahasil-Jujomura and District-Sambalpur and the project proponent is Tahasildar, Jujomura.</p> <p>The following documents have been received Checklist, form-1, DSR, D.L.C, PFR, EMP, topomap, village sheet, lease order, mining approval letter, mining plan, cluster clarification.</p> <p>The following deficiencies/omission have been noticed in the above documents.</p> <p>Electric transmission line pole-0.10m In the DSR it reveals that there are two quarries in the name of Barloi that may be clarified by the concerned Tahasildar.</p> <p>Distance from nearest sanctuary/ESZ-Ushakothi WLS-24.0 km Whether the lease area coming in D.L.C. report-No Whether the lease area reflecting in DSR-Yes Method of mining- Semi-mechanized Distance from Nearest Road Bridge-3.4 km, village road-0.30km, <u>Electric transmission line pole-0.1m, laduloisingh RF-0.25km</u> Whether it is part of cluster - No Whether EC obtained earlier- No Production capacity per annum-2499.6 cum/annum (max.), depth-6m, Geological</p>	EC may be given with usual conditions. If electric power (HT) transmission line is nearby, its safety vis-à-vis blasting has to be ensured.

							HT electric transmission on line (pole) under blasting operation may be clarified also.	<p>reserve-28825 cum, Mineable reserve-12506 cum This is a B2 category project. Whether SEAC recommended the proposal -Yes</p> <p>The proposal was placed in 70th SEIAA meeting and it was decided as follows: "In the DSR it reveals that there are two quarries in the name of Barfol Stone Quarry. This may be clarified by the concerned Tahasildar. How to ensure safety of HT electric transmission line (pole) under blasting operation may be clarified also".</p> <p>Accordingly, ADS letter issued by SEIAA vide letter no. 4018/SEIAA dated 17.02.2022.</p> <p>Now the Tahasildar has submitted their ADS reply vide his no. 955 dated 10.03.2022 and clarified that the Joint inspection of TPWOLD, Revenue supervisor, and RI Jujomura indicated that there is no High Power, Transmission Lines or high tension (poles) passes near the said quarry. In view of the above the proposal may be placed in the SEIAA meeting for consideration.</p>	
23.	B2, EC	1(a) Mining of minerals	2454 01/13 1-MINB 2/12-2021	Tahasildar, Kalahandi	Proposal of EC of Pastipada Sand Bed-I over an area of 3.00 acres or 1.214ha at Village-Pastipada, Tahasil-Kalahandi, Dist-Kalahandi	16.12.2021	Deferred by SEIA A	<p>The proposal was placed in 70th SEIAA meeting and it was decided as follows: "Seek clarification from PP on whether the depth of sand is not too thin (0.5m) to sustain any sustainable sand mining".</p> <p>This is regarding a new proposal for mining of minor mineral Sand. The project has submitted at SEIAA under Category 'B2' as the lease area is <math>\leq 5.0</math> Ha. As per the EIA Notification, 2006, this project falls in the schedule under Sl.No-1(a) -"Mining of Mineral" of non-coal mining sector. The project proponent has submitted proposal for grant of EC for Pastipada-I River Sand Bed over a total lease area 1.214Ha/3.00 acres at Village-Pastipada, Tahasil-Kalahandi and District-Dhenkanal and the project proponent is Tahasildar, Kalahandi.</p> <p>The following documents have been received: Checklist, form-1, DSR, PFR, EMP, topomap, village sheet, lease order, mining approval letter, mining plan, cluster clarification.</p> <p>The following deficiencies/omission have been noticed in the above documents: Not submitted cluster EMP. Both Pastipada-I & II are coming under cluster as per the 500 radius google map. Distance from nearest sanctuary/ESZ-Karlapat WLS-40.7km Whether the lease area coming in D.L.C. report-No Whether the lease area reflecting in DSR-Yes Method of mining- Manual River-Pipal, depth of sand deposition-0.5m Distance from Nearest Road Bridge-0.7km, village road-0.3km Whether it is part of cluster - Yes, not submitted cluster EMP over total lease area 2.023Ha Whether EC obtained earlier-No Production capacity per annum-500 cum/annum(max.) with depth-0.5m, Geological reserve 6070 cum, Mineable reserve-2850 cum. This is a B2 category project.</p>	Cluster EMP report may be submitted. Rate of replenishment study be conducted for the entire cluster area, and its report submitted by November, 2022.

								<p>Whether SEAC recommended the proposal -Yes The proposal was placed in 70th SEIAA meeting and it was decided as follows: "Seek clarification from PP on whether the depth of sand is not too thin (0.5m) to sustain any sustainable sand mining". Accordingly, ADS letter issued by SEIAA vide letter no. 4024/SEIAA dated 17.02.2022. Now the Tahasildar has submitted their ADS reply vide his no. 663 dated 08.03.2022 and clarified that the sand deposit is not too thin as per demand in the locality and the river bed will not be damaged in the said mining.</p> <p>In view of the above the proposal may be placed in the SEIAA meeting for consideration</p>	
24.	B2 EC	1(a) Mining of minerals	2456 08/13 4- MINB 2/12- 2021	Dhiraj Kumar Agraw alla	Proposal of EC of Dhudhalm unda Stone Quarry-2 Over an area of 4.39acres or 176ha in Village- Dhudhamu nda, Tahasi- Jujomura, District- Sambalpur	17.12 2021	Defar red by SEIA A	<p>The proposal was placed in 70th SEIAA meeting and it was decided as follows: "Seek clarificati on from the PP if quarry can be carried out without any blasting keeping in view the proximity of the railway line and road bridge".</p> <p>This is regarding a new proposal for mining of minor mineral Stone. The project has submitted at SEIAA under Category 'B2' as the lease area is ≤5.0 Ha. As per the EIA Notification, 2006, this project falls in the schedule under SE.No-1(a) –"Mining of Mineral" of non-coal mining sector. The project proponent has submitted proposal for grant of EC for Dhudhalmunda Stone Quarry-2 over a total lease area 1.78Ha/4.39 acre at Village-Dhudhalmunda, Tahasil-Jujomura and District-Sambalpur and the project proponent is Sri Dhiraj Kumar Agrawalla. The following documents have been received Checklist, form-1, DSR, D.L.C, PFR, EMP, topomap, village sheet, lease order, mining approval letter, mining plan, cluster clarification. The following deficiencies/omission have been noticed in the above documents. Nil Distance from nearest sanctuary/ESZ-Debrigarh WLS-37.0km Whether the lease area coming in D.L.C. report-No Whether the lease area reflecting in DSR-Yes Method of mining- Semi-mechanized Distance from Nearest Road Bridge-0.3km, village road-0.4km, <u>Railway line-0.2km</u> Whether it is part of cluster – No Whether EC obtained earlier- No Production capacity per annum-2245 cum/annum (max.), depth-3m, Geological reserve-57776 cum, Mineable reserve-44764 cum This is a B2 category project. Whether SEAC recommended the proposal -Yes The proposal was placed in 70th SEIAA meeting and it was decided as follows: "Seek clarification from the PP if quarry can be carried out without any blasting keeping in view the proximity of the railway line and road bridge" Accordingly, ADS letter issued by SEIAA vide letter no. 4022/SEIAA dated 17.02.2022. Now the Tahasildar has submitted their ADS reply vide his no. 1039 dated 17.03.2022 and clarified that the distance of road bridge and railway bridge from</p>	EC may be given, based on clarification submitted that railway line is at a distance of 240 m. Usual conditions and more rigorous safety conditions to regulate blasting to be given.

									Dhudhalmunda Stone Quarry-2 are 300m and 240m respectively which are well beyond the limits stipulated by OSPCB vide letter no. 7662 dated 25.08.2020 and sec 33 sub-sec(a) & 6(b) of OMMC Rules, 2016. Hence, the EC of the source may be considered along with required blasting for loosening of the hard rock. In view of the above the proposal may be placed in the SEIAA meeting for consideration.	
25.	B1, EC	1(a) Mining of minerals	SIA/OR/MIN/68119/2020	Rajesh Kumar Pradhan	Proposal for EC for Sand Mining (12000 Cum/annum) over Nuapalli Sand Quarry (ML area 19.44 acres or 7.867 ha) in village Nuapalli under Bhapur Thasil of Nayagarh District, Odisha by Rajesh Kumar Pradhan, At/Po/Ps- Fategarh, Dist- Nayagarh, Odisha:	04.10.2021	Under examination of SEIAA after SEA-C	This is an online proposal for EC.	<p>This is regarding a new proposal for mining of minor mineral Sand. The project has submitted at SEIAA under Category 'B1' as the lease area is 2.50 Ha. As per the EIA Notification, 2006, this project falls in the schedule under Sl.No-1(a) -Mining of Mineral' of non-coal mining sector. The project proponent has submitted proposal for grant of EC for Nuapalli Sand Quarry (ML area 19.44 acres or 7.867 ha) in village Nuapalli under Bhapur Thasil of Nayagarh District, Odisha by Rajesh Kumar Pradhan, At/Po/Ps- Fategarh, Dist-Nayagarh, Odisha.</p> <p>The following documents have been received Form-1, Form-2, PFR, checklist, EIA and EMP, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate, topomap etc. The following deficiencies/omission have been noticed in the above documents.</p> <ul style="list-style-type: none"> Nil <p>Distance from nearest sanctuary/ESZ-Baisipali WLS-42.0km Whether the lease area coming in D.L.C. report-No Whether the lease area reflecting in DSR-Yes River-Kusumi, depth of sand deposition-1.0m Road bridge-1.4km, village road-1.0km Method of mining- Semi-Mechanized Whether it is part of cluster - No Whether EC obtained earlier- No Production capacity per annum-2800 cum/annum(max.), Geological reserve-40840 cum, Mineable reserve-26017 cum This is a B1 category project. Whether SEAC recommended the proposal -Yes</p> <p>Other points</p> <ol style="list-style-type: none"> The ToR for this was issued by SEIAA vide letter no. 9648/SEIAA dt. 19.11.2020 Public Hearing was conducted on 17.04.2021 (10.00 am) at Campus of Bhapur, tahasil, in Nayagarh District, Odisha for the project and the final EIA/EMP report is submitted to SEIAA, Odisha. Replenishment Study Report concludes that replenishment rate is 95% i.e. Amount of sand Replenishment within the quarry area is 11780Cum & proposed production is 12000 cum. In the replenishment study the PP has mentioned the thickness of sand bed in pre-monsoon-0.00meter and post-monsoon-1.0meter depth. The project cost is 25 lakhs and EMP Capital Cost is 14.30lakh and EMP 	Maximum depth of digging allowed is 0.5m. EC may be given subject to conditions that replenishment rate of study in the prescribed method shall be submitted by November, 2022.

									<p>Recurring Cost is 5.60 lakhs.</p> <p>6. The Environment consultant M/s Andra Consulting Services Pvt. Ltd. Bhubaneswar along with the proponent has made a presentation on the proposal before the Committee on 14.12.2021.</p> <p>7. The SEAC recommended the proposal for EC with stipulated conditions as follows:</p> <ol style="list-style-type: none"> Revised mining plan shall be prepared based on essential physical criteria as per Enforcement and Monitoring Guidelines for Sand Mining, January 2020 of MoEF&CC, Govt. of India enclosed as Annexure - G. Regular replenishment study to be conducted and report to be submitted. Provision of Bio-toilet shall be made at the site. Avenue plantation and plantation on both sides of the haulage road in consultation with/ on the advice of concerned Forest Department, Government of Odisha & W.R. Department Government of Odisha as well. Stone patching with plantation in between along the stretch of the bank associated with sand mining and necessary ramp construction shall be made. <p>In view of the above the proposal may be placed in the SEIAA meeting for consideration.</p>	
26.	B1, EC	1(a) Mining of minerals	SIA/ OR/ MIN/ 6617 9/2020	Benudhr Pradhan	EC for Sand Mining with production capacity 4000 Cum./Annum (14730 Cum for plan period) Madhapur Sand Quarry present in river Kusumi over an area of 12.50 acres (5.059 ha.)	11.09 2021	Under examination of SEIAA after SEAC	This is a online proposal for EC.	<p>This is regarding a new proposal for mining of minor mineral Sand. The project has submitted at SEIAA under Category B1 as the lease area is ≥ 5.0 Ha. As per the EIA Notification, 2006, this project falls in the schedule under Sl.No-1(a) - 'Mining of Mineral' of non-coal mining sector. The project proponent has submitted proposal for grant of EC for Madhapur Sand Quarry present in river Kusumi over an area of 12.50 acres (5.059 ha.) located in Village- Madhapur, Talasail - Bhapur, in district Nayagarh of Odisha with Open cast Manual Mining Method by Sri Benudhar Pradhan, At/Po- Fatehgarh, PS- Bhapur, in the district of Nayagarh.</p> <p>The following documents have been received Form-1, Form-2, PFR, checklist, EIA and EMP, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate, topomap etc.</p> <p>The following deficiencies/omission have been noticed in the above documents:</p> <ul style="list-style-type: none"> Nil <p>Distance from nearest sanctuary/ESZ-Baisipali WLS-35.0km Whether the lease area coming in D.L.C. report-No Whether the lease area reflecting in DSR-Yes River-Mahanadi, depth of sand deposition-1.0m Road bridge-14.0km, village road-1.0km Method of mining- Semi-Mechanized Whether it is part of cluster- No Whether EC obtained earlier- No Production capacity per annum-4000 cum/annum(max.), Geological reserve-30200 cum, Mineable reserve-22800 cum</p>	EC be given, on condition that rate of replenishment of sand at the site be studied afresh by the prescribed method by November, 2022. Maximum depth of digging is 0.5m.

					located in Village-Madhapur, Tahasil – Bhapur, in district Nayagarh of Odisha with Open cast Manual Mining Method by Sri Benudhar Pradhan, A/Po-Fatehgarh PS- Bhapur, in the district of Nayagarh				<p>This is a B1 category project.</p> <p>Whether SEAC recommended the proposal –Yes</p> <p><u>Other points</u></p> <ol style="list-style-type: none"> 1. The ToR for this was issued by SEIAA vide letter no. 9680/SEIAA dt. 18.11.2020 2. Public Hearing was conducted on 17.04.2021 (10.00 am) at Campus of Bhapur, tahasil, in Nayagarh District, Odisha for the project and the final EIA /EMP report is submitted to SEIAA, Odisha 3. Replenishment Study Report concludes that replenishment rate is 98% i.e. Amount of sand Replenishment within the quarry area is 14000 Cum & proposed production is 12000 cum. 4. In the replenishment study the PP has mentioned the thickness of sand bed in pre-monsoon-0.00meter and post-monsoon-0.9meter depth. 5. The project cost is 25 lakhs and EMP Capital Cost is 14.30lakh and EMP Recurring Cost is 5.60 lakhs. 6. The Environment consultant M/s Ardra Consulting Services Pvt. Ltd. Bhubaneswar along with the proponent has made a presentation on the proposal before the Committee on 14.12.2021. 7. The SEAC recommended the proposal for EC with stipulated conditions as follows: <ol style="list-style-type: none"> a. Revised mining plan shall be prepared based on essential physical criteria as per Enforcement and Monitoring Guidelines for Sand Mining, January 2020 of MoEF&CC, Govt. of India enclosed as Annexure - G. b. Regular replenishment study to be conducted and report to be submitted. c. Provision of Bio-toilet shall be made at the site. d. Avenue plantation and plantation on both sides of the haulage road in consultation with/ on the advice of concerned Forest Department, Government of Odisha & W.R. Department Government of Odisha as well. e. Stone patching with plantation in between along the stretch of the bank associated with sand mining and necessary ramp construction shall be made. <p>In view of the above the proposal may be placed in the SEIAA meeting for consideration.</p>	
27	B1, EC	1(a) Mining of minerals	SIA/ OR/ MIN/ 5831/ 3/2020	Tahasil-Gunupur	Proposal of EC of Gunupur Sand Bed - II over an area of 5.261 Ha/13.00 acres for production	24.12.2021	Under examination of SEIAA after SEAC	This is an online proposal for EC.	<p>This is regarding a new proposal for mining of minor mineral Sand. The project has submitted at SEIAA, under Category 'B2' as the lease area is ≥ 5.0 Ha. As per the EIA Notification, 2006, this project falls in the schedule under Sl.No-1(a) –Mining of Mineral" of non-coal mining sector. The project proponent has submitted proposal for grant of EC for Gunupur Sand Bed - II over an area of 5.261 Ha/13.00 acres for production of 25100 Cum, at Village- Gunupur, Tahasil-Gunupur, District-Rayagada (Final EIA/EMP report submitted).</p> <p>The following documents have been received: Form-1, Form-2, PFR, checklist, EIA and EMP, Mining Plan and approval letter, DGR, Village sheet, Cluster certificate, topomap etc.</p> <p>The following deficiencies/omission have been noticed in the above documents.</p>	EC be given, maximum depth to be 0.5m. Maximum quantity in 1 st year to be 5200 cum. SEAC

				of 25100 Cum at Village-Gunupur, Tahasil-Gunupur, District-Rayagada (Final EIA/EEMP report submitted)			<ul style="list-style-type: none"> • Nil <p>Distance from nearest sanctuary/ESZ-Karalapat WLS-103.0km Whether the lease area coming in D.L.C. report-No Whether the lease area reflecting in DSR-Yes River-Bansadhara, depth of sand deposition-1.0m Road bridge-0.57km, village road-0.7km Method of mining- Semi-Mechanized Whether it is part of cluster – No Whether EC obtained earlier- No Production capacity per annum-25100 cum/annum(max.), Geological reserve- 52610 cum, Mineable reserve-42255 cum This is a B1 category project. Whether SEAC recommended the proposal –Yes <u>Other points</u></p> <ol style="list-style-type: none"> 1. The ToR for this was issued by SEIAA vide letter no. 10240/SEIAA dt. 17.12.2020 2. Public Hearing was conducted on 08-09,2021 (11.00 am) at at Town hall, Gunupur under Gunupur Municipality, Rayagada for the project and the final EIA /EEMP report is submitted to SEIAA, Odisha. 3. Replenishment study has been done during the pre-monsoon (May-2021) and post-monsoon season (Nov - 2021). This shows that replenishment quantity of sand is almost 24980.76 cum, or 24990 cum, same as proposed mining capacity i.e. 25,100 cum per year. 4. In the replenishment study the PP has mentioned the thickness of sand bed is replenished with depth 0.47meter. 5. A total of 21 nos. of workers are to be employed in sand quarry. 6. The baseline data was collected for the winter season i.e. October 2020 to December 2020 in the 10 km study area. 7. The project cost is estimated to be Rs. 40.0 lakhs and there is a budgetary provision of Rs.4.05 lakhs as capital cost and Rs.3.12 lakhs as recurring cost towards environmental protection measures. 8. The Environment consultant M/s P&M Solution Pvt. Ltd, Noida along with the proponent has made a presentation on the proposal before the Committee on 17.01 2022. 9. The SEAC recommended the proposal for EC with stipulated conditions as follows: <ol style="list-style-type: none"> a. Revised mining plan shall be prepared based on essential physical criteria as per Enforcement and Monitoring Guidelines for Sand Mining, January 2020 of MoEF&CC, Govt. of India enclosed as Annexure - G. b. Regular replenishment study to be conducted and report to be submitted c. Provision of Bio-toilet shall be made at the site. d. Avenue plantation and plantation on both sides of the haulage road in consultation with on the advice of concerned Forest 	stipulations be added to the conditions also.
--	--	--	--	---	--	--	--	---

									Department, Government of Odisha & W.R. Department Government of Odisha as well. e. Stone patching with plantation in between along the stretch of the bank associated with sand mining and necessary ramp construction shall be made. In view of the above the proposal may be placed in the SEIAA meeting for consideration.	
28.	B2, EC	1(a) Mining of minerals	SIA/OR/MIN/8970/2/2021	Sri. Pranab Kumar Sarangi, Director, M/s Jagannath Corporation Projects Private Ltd.	Proposal of Sri. Pranab Kumar Sarangi, Director, M/s Jagannath Corporation Projects Private Ltd. for EC of Krushnachandrapur stone quarry No. 3 over 5.83 Ac. or 2.278 Ha located in Village: Krushnachandrapur, Tahasil: Banarpal, Dist. Angul (Under Cluster approach of Krushnachandrapur building	22.01.2022	Under examination of SEIAA after SEA C	This is an online proposal for EC.	This is regarding a new proposal for mining of minor mineral Stone. The project has submitted at SEIAA under Category 'B1' as the lease area is > 5.0 Ha. As per the EIA Notification, 2006, this project falls in the schedule under Sl.No-1(a) -'Mining of Mineral' of non-coal mining sector. The project proponent has submitted proposal for grant of EC for of Sri.Pranab Kumar Sarangi,Director, M/s Jagannath Corporation Projects Private Ltd. for EC of Krushnachandrapur stone quarry No. 3 over 5.83 Ac. or 2.278 Ha. located in Village: Krushnachandrapur, Tahasil: Banarpal, Dist. Angul (Under Cluster approach of Krushnachandrapur building stone cluster, area of 17.18 Ha. or 42.44 Acres consisting of 7 nos of quarries from 1 to 7)-ToR issued-659/SEWA dated 26.02.2021, Final EIA/EMP submitted. The following documents have been received Form-1, Form-2, PFR, checklist, EIA and EMP, Mining Plan and approval letter, DSR, D.L.C, Village sheet, Cluster certificate, topomap etc. The following deficiencies/omission have been noticed in the above documents. • Nil Distance from nearest sanctuary/ESZ-Satkosia WLS-10.0km Whether the lease area coming in D.L.C. report/No Whether the lease area reflecting in DSR-Yes Road bridge-25 Dkm, village road-connected to quarry Method of mining- Semi-Mechanized Whether it is part of cluster - No Whether EC obtained earlier-No Production capacity per annum-10077 cum/annum(max.), Geological reserve-194424 cum, Mineable reserves-102011 cum This is a B1 category project. Whether SEAC recommended the proposal -Yes <u>Other points</u> 1. Environmental Impact Assessment (EIA) and Environmental Management Plan (EMP) carried out for Krushnachandrapur Stone cluster over an area of 17.18 Ha located at Village Krushnachandrapur in Banarpal Tahasil of Angul District, Odisha. The cluster consists of 7 individual mining leases located within the cluster area of 500m. The land use pattern of the mining cluster area comes under the non-forest waste land (Abada Ajogya Anabadi), bearing Khata no.1, Plot no.42/1,42/2,42/3,42/4,42/5,42/6,42/7 KISSAM PABAD. Cluster (Krushnachandrapur hillock) is featured in the Survey of India Toposheet No. 73 H/1 and bounded between the latitudes	This quarry needs site inspection. Ask from DFO, the DLC status of proposed plots of land by verifying the DLC report and also clarification whether the lease area is outside the eco-sensitive zone of Satkosia Wildlife Sanctuary. Is it an already operational quarry adjacent to village road? Let us be clear on these points. EC be decided on receipt of

stone cluster area 17.18 Ha. or 42.44 Acres consisting of 7 nos of quarries from 1 to 7). ToR issued- 659/SEIAA dated 28.02.2021. Final EIA/EMP submitted.

20°51'52.12"N to 20°52'06.51"N and longitudes 85°00'14.14"E to 85°00'37.24"E

- The EIA/EMP study has been carried out based on the ToR approved by SEIAA, Odisha by M/s Kalyani Laboratories Private Limited Bhubaneswar. Kalyani Laboratories private limited (MoEF & CC and NABL accredited Lab) has gathered required baseline data for pre monsoon season (1st Dec 2020 to 28th Feb 2021) and accordingly prepared the EIA / EMP report.
- The production from the entire cluster will be 203192 cum per annum. The name and address of the successful bidders for the individual 7 mines within the cluster is given in table below:

Name of the quarry	Successful bidders from 2020-21 to 2024-25
Krushnachaandrapur stone quarry No.1	M/s Jagannath Corporation Projects Pvt. Ltd.C/o- Pransab Narayan Sarangi, Plot No.397, Sarangi Bhawan (Gr. Floor), Garage Chawk, Lewis Road, Old town, Odisha, Bhubaneswar, 751002
Krushnachaandrapur stone quarry No.3	
Krushnachaandrapur stone quarry No.4	
Krushnachaandrapur stone quarry No.7	
Krushnachaandrapur stone quarry No.2	Basant Ku. Parida, At- Jaraingha, Angul
Krushnachaandrapur stone quarry No.5	M/s Orissa Biodiesel Jatropha Pvt. Ltd. C/o- Siva Sankar Mohapatra, Plot No.397, Sarangi Bhawan(Gr. Floor), Garage Chawk, Lewis Road, Old town, Odisha, Bhubaneswar, 751002
Krushnachaandrapur stone quarry No.6	

- Krushnachaandrapur has comprised mineralised area of Krushnachaandrapur hillock over 17.18 Ha. The geological reserve (Probable & Possible) for building stone/road metal has been estimated as 2230687cum over the Cluster. It is evident that demonstrated the mineable reserve (Probable) for building stone/road metal worked out to be 2008507 cum over the Cluster.
- Method of mining will be opencast semi mechanized. Handling of rock mass will be done both manually and by excavators. Handpicks, spade, chisel, hammer will be used by manual labors for sorting and sizing. Loosening of rock mass will be done by drifting and blasting Based on the demand of building stone/road metal as revealed by the respective lessees, a maximum of 203192cum per annum of building stone/road metal will be extracted per annum from the Cluster area.

6. Annual Production of Building Stone/Road Metal during Plan Period

Year	Quarry 1	Quarry 2	Quarry 3	Quarry 4	Quarry 5	Quarry 6	Quarry 7	Total production (Cluster) in cum

clarification from DFO / our inspecting officer.

First	5594	4007	1007	6552	10948	1166	8810	203192 Cum
			7			2		
Second	5594	4007	1007	6552	10948	1166	8810	203192 Cum
			7			2		
Third	5594	4007	1007	6552	10948	1166	8810	203192 Cum
			7			2		
Fourth	5594	4007	1007	6552	10948	1166	8810	203192 Cum
			7			2		
Fifth	5594	4007	1007	6552	10948	1166	8810	203192 Cum
			7			2		
Total	27972	20034	5038	32760	54740	5831	44051	1015960Cum
			6			0		

7. A total of 225 workers (Skilled-40nos., Semi-skilled-70nos. and Un-skilled-105nos & Mines Manager/Mine Permit Manager-7nos) will be employed during mining operation.
8. It is assumed that around 2/3rd of the generated waste will be transported to the crusher site along with valuable building stone/road metal where these will be sorted out. The remaining 1/3rd of the total waste will be separated at the quarry head and will be stacked in the temporary waste dump of respective quarry lease and will be utilised by the lessee for making of mine road and allied infrastructures.
9. The area of mining cluster is located in the Survey of India Toposheet no.- 73 H/1 and bounded by Latitude-20°51'52.12"N to 20°52'06.51"N and longitudes 85°00'14.14"E to 85°00'37.24"E. The land use pattern of the mining lease area comes under the non-forest waste land (Abada-Ajogya Anabad), bearing Khata no.1. Plot no.42/1,42/2,42/3,42/4,42/5,42/6,42/7 Kasam, Pahad. The M.L. area under reference displays a hilly terrain trending N-S. Highest RL in the area is 220 m above msl in the quarry 2 and quarry 4 and the lowest is 170 above msl in the quarry 1. The buffer zone of the study area is not coming under a hilly terrain. The highest altitude of buffer zone is 660 mRL at Durgapur RF and lowest altitude of 103 mRL.
10. There is chance that during monsoon the run-off water may find access to some of the quarries in the Cluster-1.
11. There are no seasonal or perennial nala flows within the lease area. However due to the earlier mining activities there are various mining pits filled with water exists within the lease area. During the rainy season the rain water flows in the hillock through various raincuts and drains water to the existing quarry.
12. 45 KLD of potable water will be required from which 14 KLD of water will be required for drinking & domestic purpose. 21 KLD of water is suggested to be utilized for dust suppression and 10 KLD for plantation purpose. The water requirement by individual lease will be 5 KLD (max). The water will be sourced by tanker by the individual lessee to cater the water.

									<p>requirement. Water will be sourced from ground water and rain water harvesting from the existing quarry.</p> <p>13. Green belt will be developed over an area of 2.5 Ha along the safety cone of the cluster besides individual safety zone of the cluster. Further during the conceptual period 12.88 Ha of the lease area will be reclaimed with plantation.</p> <p>14. The total cost of the project is 400 lakhs and the updated capital cost and recurring cost (per annum) for the environmental facilities for the proposed mining project works out to be 35 lakhs and 14 lakh / year respectively.</p> <p>15. The Public Hearing in respect of Environment Clearance for Krushnachandrapur Cluster Hillock Stone mines Deposit over an area of 17.18 Ha at Mouza- Krushnachandrapur, Tahasil- Banarpal of Angul District, Odisha was conducted on Dtd. 07.12.2021 at 10 A.M. at Hatapadia, Maratha in the district of Angul, Odisha. The public hearing was conducted as per the guidelines of EIA Notification 14th September 2006 and subsequent amendments. The major issues raised during public hearing are control of vibration during blasting, peripheral developmental activities to be monitored by the village committee, health and education facility etc. In compliance to the public hearing a time bound action plan has been prepared and a total of Rs 14.20 Lakhs is proposed for social developmental expenditure by the cluster.</p> <p>16. The Environment consultant M/s Kalyani Laboratories Pvt. Ltd, Plot No. 78/944, Millennium City, Pahala, Bhubaneswar – 752101 along with the proponent has made a presentation on the proposal before the Committee on 11.02.2022.</p> <p>17. The SEAC recommended the proposal for EC with standard conditions as follows:</p> <ol style="list-style-type: none"> No storage and usage of blasting materials/explosives inside the lease area without license/permission/authorization from competent Authority as per Indian Explosives Rules, 1903 shall be ensured by the lessee. An undertaking to this effect shall be submitted by the lessee. Accordingly, specific condition to be stipulated in EC of individual lease. An undertaking to obtain NOC from CGWA and permission from WR department, Govt. Of Odisha for use of ground water. Accordingly, specific condition to be stipulated in EC of individual lease. <p>In view of the above the proposal may be placed in the SEIAA meeting for consideration.</p>	
29.	B2, EC	1(a) Mining of minerals	SI/VR/ MIN/ 5970/ 2/2021	Sri Siva Sankar Mohapatra, Director, M/s	Sri Siva Sankar Mohapatra, Director, M/s Orissa Biodiesel Jatropha	22.01.2022	Under examination of SEIAA	This is an online proposal for EC.	<p>This is regarding a new proposal for mining of minor mineral Stone. The project has submitted at SEIAA under Category 'B1' as the lease area is ≥ 5.0 Ha. As per the EIA Notification, 2006, this project falls in the schedule under SI.No-1(a) - 'Mining of Mineral' of non-coal mining sector. The project proponent has submitted proposal for grant of EC for of Sri.Prasab Kumar Sarangi, Director, M/s Jagannath Corporation Projects Private Ltd. for EC of Krushnachandrapur stone quarry No. 5 over 5.63 Ac. or 2.278 Ha. located in Village: Krushnachandrapur, Tahasil: Banarpal, Dist. Angul (Under Cluster approach of Krushnachandrapur building stone</p>	This quarry needs site inspection. Ask from DFO, the DLC status of proposed plots

Orissa Biodiesel Jatropa Private Ltd
 Private Ltd
 Krushnach andrapur stone quarry No. 5 over 5.63 Ac or 2.278 Ha located in Village Krushnach andrapur, Tahasil Banarpal, Dist Angul (Under Cluster approach of Krushnach andrapur building stone cluster, area of 17.18 Ha or 42.44 Acres consisting of 7 nos of quarries from 1 to 7)- ToR issued- 659/SEIAA dated 26.02.2021, Final EIA/EMP

after SEA C

cluster, area of 17.18 Ha, or 42.44 Acres consisting of 7 nos of quarries from 1 to 7)- ToR issued-659/SEIAA dated 26.02.2021, Final EIA/EMP-submitted
 The following documents have been received
 Form-1, Form-2, PFR, checklist, EIA and EMP, Mining Plan and approval letter, DSR, D.L.C, Village sheet, Cluster certificate, Icpomap etc.
 The following deficiencies/omission have been noticed in the above documents.
 * Nil
 Distance from nearest sanctuary/ESZ-Satkosia WLS-10.0km
 Whether the lease area coming in D.L.C, report-No
 Whether the lease area reflecting in DSR-Yes
 Road bridge 25.0km, village road-connected to quarry
 Method of mining- Semi-Mechanized
 Whether it is part of cluster – No
 Whether EC obtained earlier- No
 Production capacity per annum-10077 cum/annum(max.), Geological reserve-184424 cum, Mineable reserve-102011 cum
 This is a B1 category project.
 Whether SEAC recommended the proposal –Yes

Other points

1. Environmental Impact Assessment (EIA) and Environmental Management Plan (EMP) carried out for Krushnachandrapur Stone cluster over an area of 17.18 Ha-located at Village Krushnachandrapur in Banarpal Tahasil of Angul District, Odisha. The cluster consists of 7 individual mining leases located within the cluster area of 500m. The land use pattern of the mining cluster area comes under the non-forest waste land (Abadi Ajogya Anabadi), bearing Khata no.1, Plot no.42/1,42/2,42/3,42/4,42/5,42/6,42/7 KISSAM Pahad Cluster (Krushnachandrapur hillock) is featured in the Survey of India Toposheet No. 73 H/1 and bounded between the latitudes 20°51'52.12"N to 20°52'06.51"N and longitudes 85°00'14.14"E to 85°00'37.24"E.
2. The EIA/ EMP study has been carried out based on the ToR approved by SEIAA, Odisha by M/s Kaiyani Laboratories Private Limited Bhubaneswar. Kaiyani Laboratories private limited (MoEF & CC and NABL accredited Lab) has gathered required baseline data for pre monsoon season (1st Dec 2020 to 28th Feb 2021) and accordingly prepared the EIA / EMP report.
3. The production from the entire cluster will be 203192 cu.m per annum. The name and address of the successful bidders for the individual 7 mines within the cluster is given in table below:

Name of the quarry	Successful bidders from 2020-21 to 2024-25
Krushnachandrapur stone quarry No.1	M/s Jagannath Corporation Projects Pvt. Ltd./o- Pranab Narayan Sarangi, Plot
Krushnachandrapur	No.397, Sarangi Bhawan (Gr. Floor),

of land by verifying the DLC report and also clarification whether the lease area is outside the eco-sensitive zone of Satkosia Wildlife Sanctuary. Is it an already operational quarry adjacent to village road? Let us be clear on these points. EC be decided on receipt of clarification from DFO / our inspecting officer.

submitted

stone quarry No.3 Krushnachaandrapur stone quarry No.4 Krushnachaandrapur stone quarry No.7 Krushnachaandrapur stone quarry No.2	Garage Chawk, Lewis Road, Old town, Odisha, Bhubaneswar, 751002.
Krushnachaandrapur stone quarry No.5 Krushnachaandrapur stone quarry No.6	Basant Ku. Parida, At- Jarasingha, Angul M/s Orissa Biodiesel Jatropa Pvt. Ltd. C/o- Siva Sankar Mohapatra, Plot No.397, Sarangi Bhawan(Gr. Floor), Garage Chawk, Lewis Road, Old town, Odisha, Bhubaneswar, 751002.

4. Krushnachaandrapur has comprised mineralised area of Krushnachaandrapur block over 17.18 Ha. The geological reserve (Probable & Possible) for building stone/road metal has been estimated as 2230667cum over the Cluster. It is evident that demonstrated the mineable reserve (Probable) for building stone/road metal worked out to be 2008507 cum over the Cluster.
5. Method of mining will be opencast semi mechanized. Handling of rock mass will be done both manually and by excavators. Handpicks, spade, chisel, hammer will be used by manual labors for sorting and sizing. Loosening of rock mass will be done by drilling and blasting. Based on the demand of building stone/road metal as revealed by the respective lessees, a maximum of 203192cum per annum of building stone/road metal will be extracted per annum from the Cluster area.
6. Annual Production of Building Stone/Road Metal during Plan Period

Year	Quarry 1	Quarry 2	Quarry 3	Quarry 4	Quarry 5	Quarry 6	Quarry 7	Total production (Cluster) in cum
First	5594	4007	1007	6552	10948	1166	8810	203192 Cum
Second	5594	4007	1007	6552	10948	1166	8810	203192 Cum
Third	5594	4007	1007	6552	10948	1166	8810	203192 Cum
Fourth	5594	4007	1007	6552	10948	1166	8810	203192 Cum
Fifth	5594	4007	1007	6552	10948	1166	8810	203192 Cum
Total	27972	20034	5036	32760	54740	5831	44061	1015960Cum

7. A total of 225 workers (Skilled-40nos., Semi-skilled-70nos. and Un-skilled-105nos. & Mines Manager/Mine Permit Manager-7nos) will be employed during mining operation.

- | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|---|
| | | | | | | | | | <p>5. It is assumed that around 2/3rd of the generated waste will be transported to the crusher site along with valuable building stone/road metal where these will be sorted out. The remaining 1/3rd of the total waste will be separated at the quarry head and will be stacked in the temporary waste dump of respective quarry lease and will be utilised by the lessee for making of mine road and allied infrastructures.</p> <p>9. The area of mining cluster is located in the Survey of India Toposheet no - 73 H/1 and bounded by Latitude-20°51'52.12"N to 20°52'06.51"N and longitudes 85°00'14.14"E to 85°00'37.24"E. The land use pattern of the mining lease area comes under the non-forest waste land (Abada Ajogya Anabadi), bearing Khata no.1, Plot no.42/1,42/2,42/3,42/4,42/5,42/6,42/7 KISSAM Pahad. The M.L. area under reference displays a hilly terrain trending N-S. Highest RL in the area is 220 m above msl in the quarry 2 and quarry 4 and the lowest is 170 above msl in the quarry 1. The buffer zone of the study area is not coming under a hilly terrain. The highest altitude of buffer zone is 660 mRL at Durgapur RE and lowest altitude of 103 mRL.</p> <p>10. There is chance that during monsoon the run-off water may find access to some of the quarries in the Cluster-1.</p> <p>11. There are no seasonal or perennial nala flows within the lease area. However due to the earlier mining activities there are various mining pits filled with water exists within the lease area. During the rainy season the rain water flows in the hillock through various raincuts and drains water to the existing quarry.</p> <p>12. 45 KLD of potable water will be required from which 14 KLD of water will be required for drinking & domestic purpose. 21 KLD of water is suggested to be utilized for dust suppression and 10 KLD for plantation purpose. The water requirement by individual lesse will be 5 KLD (max). The water will be sourced by tanker by the individual lessee to cater the water requirement. Water will be sourced from ground water and rain water harvesting from the existing quarry.</p> <p>13. Green belt will be developed over an area of 2.5 ha along the safety zone of the cluster besides individual safety zone of the cluster. Further during the conceptual period 12.88 Ha of the lease area will be reclaimed with plantation.</p> <p>14. The total cost of the project is ₹ 400 lakhs and the updated capital cost and recurring cost (per annum) for the environmental facilities for the proposed mining project works out to be ₹ 38 lakhs and ₹ 14 lakh / year respectively.</p> <p>15. The Public Hearing in respect of Environment Clearance for Krushnachandrapur Cluster Hillock Stone mines Deposit over an area of 17.18 Ha at/ Mouza- Krushnachandrapur, Tahasil- Banarpal of Angul District, Odisha was conducted on Dtd. 07.12.2021 at 10 A.M. at Hatapadia, Maratha in the district of Angul, Odisha. The public hearing was conducted as per the guidelines of EIA Notification 14th September 2006 and subsequent amendments. The major issues raised during public</p> |
|--|--|--|--|--|--|--|--|--|---|

									<p>hearing and control of vibration during blasting, peripheral developmental activities to be monitored by the village committee, health and education facility etc. In compliance to the public hearing a time bound action plan has been prepared and a total of Rs 14.20 Lakhs is proposed for social developmental expenditure by the cluster.</p> <p>16. The Environment consultant M/s Kalyani Laboratories Pvt. Ltd. Plot No. 78/944, Millennium City, Rahala, Bhubaneswar – 752101 along with the proponent has made a presentation on the proposal before the Committee on 11.02.2022.</p> <p>17. The SEAC recommended the proposal for EC with standard conditions as follows:</p> <p>a. No storage and usage of blasting materials/explosives inside the lease area without license/permission/authorization from competent Authority as per Indian Explosives Rules, 1983 shall be ensured by the lessee. An undertaking to this effect shall be submitted by the lessee. Accordingly, specific condition to be stipulated in EC of individual lease.</p> <p>b. An undertaking to obtain NOC from CGWA and permission from WR department, Govt. Of Odisha for use of ground water. Accordingly, specific condition to be stipulated in EC of individual lease.</p> <p>In view of the above the proposal may be placed in the SEIAA meeting for consideration.</p>	
30.	B2, EC	1(a) Mining of minerals	SHA/GR/MIN/59702/2021	Sri Pranab Kumar Sarangi, Director, M/s Jagannath Corporation Projects Private Ltd	Proposal of Sri Pranab Kumar Sarangi, Director, M/s Jagannath Corporation Projects Private Ltd for EC of Krushnachandrapur Stone Quarry No. 1 over 2.258 Ha or 5.58 Acres in	22.01.2022	Under examination of SEIAA after SEAC	This is an online proposal for EC.	<p>This is regarding a new proposal for mining of minor mineral Stone. The project has submitted at SEIAA under Category 'B1' as the lease area is ≥ 5.0 Ha. As per the EIA Notification, 2006, this project falls in the schedule under Sl.No-1(a) – "Mining of Mineral" of non-coal mining sector. The project proponent has submitted proposal for grant of EC for of Sri Pranab Kumar Sarangi, Director, M/s Jagannath Corporation Projects Private Ltd for EC of Krushnachandrapur stone quarry No.1 over 5.58 Ac. or 2.258 Ha. located in Village: Krushnachandrapur, Tahasil: Barapal, Dist. Angul (Under Cluster approach of Krushnachandrapur building stone cluster, area of 17.18 Ha. or 42.44 Acres consisting of 7 nos of quarries from 1 to 7)- ToR issued-659/SEIAA dated 26.02.2021, Final EIA/EEMP submitted.</p> <p>The following documents have been received Form-1, Form-2, IFR, checklist, EIA and EMP, Mining Plan and approval letter, DSR, D.L.C, Village sheet, Cluster certificate, topomap etc.</p> <p>The following deficiencies/omission have been noticed in the above documents.</p> <ul style="list-style-type: none"> Nil <p>Distance from nearest sanctuary/ESZ-Satkosia WLS-10.0km Whether the lease area coming in D.L.C. report-No Whether the lease area reflecting in DSR-Yes Road bridge-25.0km, village road-connected to quarry Method of mining- Semi-Mechanized Whether it is part of cluster – No Whether EC obtained earlier- No</p>	This quarry needs site inspection. Ask from DFO, the DLC status of proposed plots of land by verifying the DLC report and also clarification whether the lease area is outside the eco-sensitive zone of Satkosia Wildlife

village
Krushnach
andrapur
under
Banarpal
Tahsil of
Anugul
District
(Under
Cluster
approach
for
Krushnach
andrapur
Stone
Cluster
over an
area of
17.18 Ha.
or 42.44
Acres
consisting
of 7 nos. of
quarries
from 1 to
7) - ToR
issued-
659/SEIAA
dated
26.02.2021
. Final
EIA/EMP
submitted.

Production capacity per annum-10077 cum/annum(max.). Geological reserve-194424 cum, Mineable reserve-102011 cum
This is a B1 category project.
Whether SEAC recommended the proposal -Yes
Other points

1. Environmental Impact Assessment (EIA) and Environmental Management Plan (EMP) carried out for Krushnachandrapur Stone cluster over an area of 17.18 Ha located at Village Krushnachandrapur, Banarpal Tahasil of Angul District, Odisha. The cluster consists of 7 individual mining leases located within the cluster area of 500m. The land use pattern of the mining cluster area comes under the non-forest waste land (Abada Ajogya Anabad), bearing Khata no 1, Plot no.42/1,42/2,42/3,42/4,42/5,42/6,42/7 Kissam, Pahad. Cluster (Krushnachandrapur hillock) is featured in the Survey of India Toposheet No. 73 H/1 and bounded between the latitudes 20°51'52.12"N to 20°52'06.51"N and longitudes 85°00'14.14"E to 85°00'37.24"E.
2. The EIA/EMP study has been carried out based on the ToR approved by SEIAA, Odisha by M/s Kalyani Laboratories Private Limited Bhubaneswar. Kalyani Laboratories private limited (MoEF & CC and NABL accredited Lab) has gathered required baseline data for pre monsoon season (1st Dec 2020 to 28th Feb 2021) and accordingly prepared the EIA / EMP report.
3. The production from the entire cluster will be 203192 cum per annum. The name and address of the successful bidders for the individual 7 mines within the cluster is given in table below:

Name of the quarry	Successful bidders from 2020-21 to 2024-25
Krushnachandrapur stone quarry No.1	M/s Jagannath Corporation Projects Pvt. Ltd.C/o- Prantab Narayan Sarangi, Plot No.397, Sarangi Bhawan (Gr. Floor), Garage Chawk, Lewis Road, Old town, Odisha, Bhubaneswar, 751002
Krushnachandrapur stone quarry No.3	
Krushnachandrapur stone quarry No.4	
Krushnachandrapur stone quarry No.7	
Krushnachandrapur stone quarry No.2	Basant Ku. Panda, At- Jarasingha, Angul
Krushnachandrapur stone quarry No.5	M/s Orissa Biodiesel Jatropha Pvt. Ltd. C/o- Siva Sankar Mohapatra, Plot No.397, Sarangi Bhawan(Gr. Floor), Garage Chawk, Lewis Road, Old town, Odisha, Bhubaneswar, 751002
Krushnachandrapur stone quarry No.6	

4. Krushnachandrapur has comprised mineralised area of Krushnachandrapur hillock over 17.18 Ha. The geological reserve (Probable & Possible) for building stone/road metal has been estimated as 2230687cum over the

Sanctuary. Is it an already operational quarry adjacent to village road? Let us be clear on these points. EC be decided on receipt of clarification from DFO / our inspecting officer.

Cluster. It is evident that demonstrated the mineable reserve (Probable) for building stone/road metal worked out to be 2008507 cum over the Cluster.

5. Method of mining will be opencast semi mechanized. Handing of rock mass will be done both manually and by excavators. Handpicks, spade, chisel, hammer will be used by manual labors for sorting and sizing. Loosening of rock mass will be done by drilling and blasting based on the demand of building stone/road metal as revealed by the respective lessees. a maximum of 203192cum per annum of building stone/road metal will be extracted per annum from the Cluster area:

6. Annual Production of Building Stone/Road Metal during Plan Period

Year	Quarry 1	Quarry 2	Quarry 3	Quarry 4	Quarry 5	Quarry 6	Quarry 7	Total production (Cluster) in cum
First	5594	4007	1007	8552	10948	1166	8810	203192 Cum
Second	5594	4007	1007	8552	10948	1166	8810	203192 Cum
Third	5594	4007	1007	8552	10948	1166	8810	203192 Cum
Fourth	5594	4007	1007	8552	10948	1166	8810	203192 Cum
Fifth	5594	4007	1007	8552	10948	1166	8810	203192 Cum
Total	27972	20034	5038	32760	54740	5831	44051	1015968Cum

7. A total of 225 workers (Skilled-40nos, Semi-skilled-70nos, and Un-skilled-108nos & Mines Manager/Mine Permit Manager-7nos) will be employed during mining operation.
8. It is assumed that around 2/3rd of the generated waste will be transported to the crusher site along with valuable building stone/road metal where these will be sorted out. The remaining 1/3rd of the total waste will be separated at the quarry head and will be stacked in the temporary waste dump of respective quarry lease and will be utilized by the lessee for making of mine road and allied infrastructures.
9. The area of mining cluster is located in the Survey of India Toposheet no- 73 H/1 and bounded by Latitude-20°51'52.12"N to20°52'06.51"N and longitudes 85°00'14.14"E to 85°00'37.24"E. The land use pattern of the mining lease area comes under the non-forest waste land (Abada Ajogya Anabadi), bearing Khata no.1, Plot no 42/1,42/2,42/3,42/4,42/5,42/6,42/7. Kissam: Pahad. The M.L. area under reference displays a hilly terrain trending N-S. Highest RL in the area is 220 m above mal in the quarry 2 and quarry 4 and the lowest is 170 above mal in the quarry 1. The buffer zone of the study area is not coming under a hilly terrain. The highest

- altitude of buffer zone is 660 mRL at Durgapur RF and lowest altitude of 103 mRL
10. There is chance that during monsoon the run-off water may find access to some of the quarries in the Cluster 1.
 11. There are no seasonal or perennial nala flows within the lease area. However due to the earlier mining activities there are various mining pits filled with water exists within the lease area. During the rainy season the rain water flows in the hillock through various raincuts and drains water to the existing quarry.
 12. 45 KLD of potable water will be required from which 14 KLD of water will be required for drinking & domestic purpose. 21 KLD of water is suggested to be utilized for dust suppression and 10 KLD for plantation purpose. The water requirement by individual lease will be 5 KLD (max). The water will be sourced by tanker by the individual lessee to cater the water requirement. Water will be sourced from ground water and rain water harvesting from the existing quarry.
 13. Green belt will be developed over an area of 2.5 ha along the safety zone of the cluster besides individual safety zone of the cluster. Further during the conceptual period 12.88 Ha of the lease area will be reclaimed with plantation.
 14. The total cost of the project is ~ 400 lakhs and the updated capital cost and recurring cost (per annum) for the environmental facilities for the proposed mining project works out to be ~ 38 lakhs and 14 lakh / year respectively.
 15. The Public Hearing in respect of Environment Clearance for Krushnachandrapur Cluster Hillock Stone mines Deposit over an area of 17.18 Ha at Moxara- Krushnachandrapur, Tahasil- Baharpal of Angul District, Odisha was conducted on Dtd. 07.12.2021 at 10 A.M at Hatapadia, Maratha in the district of Angul, Odisha. The public hearing was conducted as per the guidelines of EIA Notification 14th September 2006 and subsequent amendments. The major issues raised during public hearing are control of vibration during blasting, peripheral developmental activities to be monitored by the village committee, health and education facility etc. In compliance to the public hearing a time bound action plan has been prepared and a total of Rs 14.20 Lakhs is proposed for social developmental expenditure by the cluster.
 16. The Environment consultant **M/s Kalyani Laboratories Pvt. Ltd. Plot No. 78/944, Millennium City, Pahala, Bhubaneswar – 752101** along with the proponent has made a presentation on the proposal before the Committee on 11.02.2022.
 17. The SEAC recommended the proposal for EC with standard conditions as follows:
 - a. No storage and usage of blasting materials/explosives inside the lease area without license/permission/authorization from competent Authority as per Indian Explosives Rules, 1983 shall be ensured by the lessee. An undertaking to this effect shall be submitted by the lessee. Accordingly,

									<p>specific condition to be stipulated in EC of individual lease.</p> <p>b. An undertaking to obtain NOC from DGWA and permission from WR department, Govt. Of Odisha for use of ground water. Accordingly, specific condition to be stipulated in EC of individual lease</p> <p>In view of the above the proposal may be placed in the SEIAA meeting for consideration.</p>	
31.	B2, EC	1(a) Mining of minerals	SI/DR/MIN/5970/2/2021	Sri. Pranab Kumar Sarangi, Director, M/s Jagannath Corporation Private Projects Ltd.	Proposal of Sri. Pranab Kumar Sarangi, Director, M/s Jagannath Corporation Private Projects Ltd. for EC of Krushnachandrapur stone quarry No. 4 over 5.63 Ac. or 2.278 Ha. located in Village: Krushnachandrapur, Tahasil: Banarpal, Dist Angul (Under Cluster approach of Krushnachandrapur building stone	22.01.2022	Under examination of SEIAA after SEA C	This is an online proposal for EC.	<p>This is regarding a new proposal for mining of minor mineral Stone. The project has submitted at SEIAA under Category 'B1' as the lease area is ≥ 5.0 Ha. As per the EIA Notification, 2006, this project falls in the schedule under Sl.No-1(a) – "Mining of Mineral" of non-coal mining sector. The project proponent has submitted proposal for grant of EC for of Sri.Pranab Kumar Sarangi,Director, M/s Jagannath Corporation Projects Private Ltd. for EC of Krushnachandrapur stone quarry No. 4 over 5.63 Ac. or 2.278 Ha. located in Village: Krushnachandrapur, Tahasil: Banarpal, Dist: Angul (Under Cluster approach of Krushnachandrapur building stone cluster, area of 17.18 Ha. or 42.44 Acresconsisting of 7 nos of quarries from 1 to 7)- ToR issued-659/SEIAA dated 26.02.2021. Final EIA/EMP submitted.</p> <p>The following documents have been received Form-1, Form-2, PFR, checklist, EIA and EMP Mining Plan and approval letter, DSR, D.L.C, Village sheet, Cluster certificate, topomap etc.</p> <p>The following deficiencies/omission have been noticed in the above documents.</p> <ul style="list-style-type: none"> • Nil <p>Distance from nearest sanctuary/ESZ-Satokosis WLS-10.0km Whether the lease area coming in D.L.C. report-No Whether the lease area reflecting in DSR-Yes Road bridge-25.0km, village road-connected to quarry Method of mining- Semi-Mechanized Whether it is part of cluster – No Whether EC obtained earlier- No Production capacity per annum-10077 cum/annum(max.), Geological reserve-104424 cum, Mineable reserve-102011 cum This is a B1 category project. Whether SEAC recommended the proposal –Yes</p> <p><u>Other points</u></p> <ol style="list-style-type: none"> 1. Environmental Impact Assessment (EIA) and Environmental Management Plan (EMP) carried out for Krushnachandrapur Stone cluster over an area of 17.18 Ha located at Village Krushnachandrapur in Banarpal Tahasil of Angul District, Odisha. The cluster consists of 7 individual mining leases located within the cluster area of 500m. The land use pattern of the mining cluster area comes under the non-forest waste land (Abada Ajogya Anabadi), bearing Khata no.1, Plot no.42/1,42/2,42/3,42/4,42/5,42/6,42/7 Kissan: Pahad. Cluster (Krushnachandrapur hillock) is featured in the Survey of India Toposheet No. 73 H/1 and bounded between the latitudes 20°51'52.12"N to 20°52'06.51"N and longitudes 85°02'14.14"E to 	<p>This quarry needs site inspection. Ask from DFO, the DLC status of proposed plots of land by verifying the DLC report and also clarification whether the lease area is outside the eco-sensitive zone of Satkosia Wildlife Sanctuary. Is it an already operational quarry adjacent to village road? Let us be clear on these points. EC be decided on receipt of clarification</p>

cluster, area of 17.18 Ha. or 42.44 Acres consisting of 7 nos. of quarries from 1 to 7) - ToR issued- 659/SE/IAA dated 26.02.2021 . Final EIA/EMP submitted.

85°00'37.24"E.

- The EIA/ EMP study has been carried out based on the ToR, approved by SE/IAA, Odisha by M/s Kalyani Laboratories Private Limited Bhubaneswar. Kalyani Laboratories private limited (MoEF & CC and NABL accredited Lab) has gathered required baseline data for pre monsoon season (1st Dec 2020 to 28th Feb 2021) and accordingly prepared the EIA / EMP report.
- The production from the entire cluster will be 203192 cum per annum. The name and address of the successful bidders for the individual 7 mines within the cluster is given in table below:

Name of the quarry	Successful bidders from 2020-21 to 2024-25
Krushnachandrapur stone quarry No.1	M/s Jagannath Corporation Projects Pvt. Ltd. C/o- Pranab Narayan Sarangi, Plot No.397, Sarangi Bhawan (Gr. Floor), Garage Chawk, Lewis Road, Old town, Odisha, Bhubaneswar, 751002
Krushnachandrapur stone quarry No.3	
Krushnachandrapur stone quarry No.4	
Krushnachandrapur stone quarry No.7	
Krushnachandrapur stone quarry No.2	Basant Ku. Panda, At- Jarasingha, Angul
Krushnachandrapur stone quarry No.5	M/s Orissa Biodiesel Jatropha Pvt. Ltd, C/o- Siva Sankar Mohapatra, Plot No.397, Sarangi Bhawan(Gr. Floor), Garage Chawk, Lewis Road, Old town, Odisha, Bhubaneswar, 751002
Krushnachandrapur stone quarry No.6	

- Krushnachandrapur has comprised mineralised area of Krushnachandrapur hillock over 17.18 Ha. The geological reserve (Probable & Possible) for building stone/road metal has been estimated as 2230687cum over the Cluster. It is evident that demonstrated the mineable reserve (Probable) for building stone/road metal worked out to be 2008507 cum over the Cluster.
- Method of mining will be opencast semi mechanized. Handling of rock mass will be done both manually and by excavators. Handpicks, spade, chisel, hammer will be used by manual labors for sorting and sizing. Loosening of rock mass will be done by drilling and blasting. Based on the demand of building stone/road metal as revealed by the respective lessees, a maximum of 203162cum per annum of building stone/road metal will be extracted per annum from the Cluster area.
- Annual Production of Building Stone/Road Metal during Plan Period**

from DFO / our inspecting officer.

Year	Quarry 1	Quarry 2	Quarry 3	Quarry 4	Quarry 5	Quarry 6	Quarry 7	Total production (Cluster) in cum
First	5594	4007	1007	6552	10948	1166	8810	203192 Cum
Second	5594	4007	1007	6552	10948	1166	8810	203192 Cum
Third	5594	4007	1007	6552	10948	1166	8810	203192 Cum
Fourth	5594	4007	1007	6552	10948	1166	8810	203192 Cum
Fifth	5594	4007	1007	6552	10948	1166	8810	203192 Cum
Total	27972	20034	5038	32760	54740	5831	44051	1015960 Cum

7. A total of 225 workers (Skilled-40nos, Semi-skilled-70nos, and Un-skilled-105nos & Mines Manager/Mine Permit Manager-7nos) will be employed during mining operation.
8. It is assumed that around 2/3rd of the generated waste will be transported to the crusher site along with valuable building stone/road metal where these will be sorted out. The remaining 1/3rd of the total waste will be separated at the quarry head and will be stacked in the temporary waste dump of respective quarry lease and will be utilised by the lessee for making of mine road and allied infrastructures.
9. The area of mining cluster is located in the Survey of India Toposheet no.- 73 H/1, and bounded by Latitude-20°51'52.12"N to 20°52'06.91"N and longitude- 85°00'14.14"E to 85°00'37.24"E. The land use pattern of the mining lease area comes under the non-forest waste land (Abada Ajogya Anabadi), bearing Khata no.1, Plot no.42/1,42/2,42/3,42/4,42/5,42/6,42/7. KISSAM: Pahad. The M.L. area under reference displays a hilly terrain trending N-S. Highest RL in the area is 220 m above msl in the quarry 2 and quarry 4 and the lowest is 170 above msl in the quarry 1. The buffer zone of the study area is not coming under a hilly terrain. The highest altitude of buffer zone is 660 mRL at Durgapur RF and lowest altitude of 103 mRL.
10. There is chance that during monsoon the run-off water may find access to some of the quarries in the Cluster-1.
11. There are no seasonal or perennial nala flows within the lease area. However due to the earlier mining activities there are various mining pits filled with water exists within the lease area. During the rainy season the rain water flows in the hillock through various raincuts and drains water to

the existing quarry.

12. 45 KLD of potable water will be required from which 14 KLD of water will be required for drinking & domestic purpose. 21 KLD of water is suggested to be utilized for dust suppression and 10 KLD for plantation purpose. The water requirement by individual lease will be 5 KLD (max). The water will be sourced by tanker by the individual lessees to cater the water requirement. Water will be sourced from ground water and rain water harvesting from the existing quarry.

13. Green belt will be developed over an area of 2.5 ha along the safety zone of the cluster besides individual safety zone of the cluster. Further during the conceptual period 12.88 Ha of the lease area will be reclaimed with plantation.

14. The total cost of the project is ₹ 400 lakhs and the updated capital cost and recurring cost (per annum) for the environmental facilities for the proposed mining project works out to be ₹ 38 lakhs and ₹ 14 lakh / year respectively.

15. The Public Hearing in respect of Environment Clearance for Krushnachandrapur Cluster Hillock Stone mines Deposit over an area of 17.16 Ha at Mouza: Krushnachandrapur, Tahasil: Baranpal of Angul District, Odisha was conducted on Dtd. 07.12.2021 at 10 A.M at Halapadia, Maratha in the district of Angul, Odisha. The public hearing was conducted as per the guidelines of EIA Notification 14th September 2006 and subsequent amendments. The major issues raised during public hearing are control of vibration during blasting, peripheral developmental activities to be monitored by the village committee; health and education facility etc. In compliance to the public hearing a time bound action plan has been prepared and a total of ₹ 14.20 Lakhs is proposed for social developmental expenditure by the cluster.

16. The Environment consultant **M/s Kalyani Laboratories Pvt. Ltd. Plot No. 78/944, Millennium City, Pahala, Bhubaneswar – 752101** along with the proponent has made a presentation on the proposal before the Committee on 11.02.2022.

17. The SEAC recommended the proposal for EC with standard conditions as follows:

- No storage and usage of blasting materials/explosives inside the lease area without license/permission/authorization from competent Authority as per Indian Explosives Rules, 1983 shall be ensured by the lessee. An undertaking to this effect shall be submitted by the lessee. Accordingly, specific condition to be stipulated in EC of individual lease.
- An undertaking to obtain NOC from CGWA and permission from WR department, Govt. Of Odisha for use of ground water. Accordingly, specific condition to be stipulated in EC of individual lease.

In view of the above the proposal may be placed in the SEIAA meeting for consideration.

32	B2, EC	1(a) Mining of minerals	SIA/ OR/ MIN/ 5970 2/2021	Sri Prana b Kumar Sarangi, Director, M/s Jagannath Corporation Private Projects	Proposal of Sri Prana b Kumar Sarangi, Director, M/s Jagannath Corporation Private Projects for EC of Krushnach andrapur stone quarry No. 7 over 8.85 Ac. or 3.581 Ha. located in Village Krushnach andrapur, Tahasil Banarpal, Dist. Angul (Under Cluster approach of Krushnach andrapur building stone cluster, area of 17.18 Ha. or 42.44 Acres	22.01.2022	Under examination of SEIAA after SEA C	This is a online proposal for EC.	<p>This is regarding a new proposal for mining of minor mineral Stone. The project has submitted at SEIAA under Category 'B1' as the lease area is ≥ 5.0 Ha. As per the EIA Notification, 2006, this project falls in the schedule under Sr No-1(A) - "Mining of Mineral" of non-coal mining sector. The project proponent has submitted proposal for grant of EC for of Sri.Prana b Kumar Sarangi, Director, M/s Jagannath Corporation Private Ltd. for EC of Krushnachandrapur stone quarry No. 7 over 8.85 Ac. or 3.581 Ha. located in Village Krushnachandrapur, Tahasil Banarpal, Dist. Angul (Under Cluster approach of Krushnachandrapur building stone cluster, area of 17.18 Ha. or 42.44 Acres consisting of 7 nos of quarries from 1 to 7)- ToR issued-659/SEIAA dated 20.02.2021, Final EIA/EMP submitted.</p> <p>The following documents have been received Form-1, Form-2, PFR, checklist, EIA and EMP, Mining Plan and approval letter, DSR, D.L.C, Village sheet, Cluster certificate, topomap etc.</p> <p>The following deficiencies/omission have been noticed in the above documents.</p> <ul style="list-style-type: none"> • Nil <p>Distance from nearest sanctuary/ESZ-Salokosia WL5-10.0km Whether the lease area coming in D.L.C. report-No. Whether the lease area reflecting in DSR-Yes Road bridge-25.0kts, village road-connected to quarry Method of mining- Semi-Mechanized Whether it is part of cluster - No Whether EC obtained earlier- No Production capacity per annum-10077 cum/annum(max.), Geological reserve-194424 cum, Mineable reserve-102011 cum This is a B1 category project. Whether SEAC recommended the proposal -Yes</p> <p><u>Other points</u></p> <ol style="list-style-type: none"> 1. Environmental Impact Assessment (EIA) and Environmental Management Plan (EMP) carried out for Krushnachandrapur Stone cluster over an area of 17.18 Ha located at Village Krushnachandrapur in Banarpal Tahasil of Angul District, Odisha. The cluster consists of 7 individual mining leases located within the cluster area of 500m. The land use pattern of the mining cluster area comes under the non-forest waste land (Abada Ajagya Anabadi), bearing Khata no.1, Plot no 42/1,42/2,42/3,42/4,42/5,42/6,42/7 Kissaam: Pahad. Cluster (Krushnachandrapur hillock) is featured in the Survey of India Toposheet No. 73-H/1 and bounded between the latitudes 20°51'52.12"N to 20°52'06.01"N and longitudes 85°00'14.14"E to 85°00'37.24"E. 2. The EIA/EMP study has been carried out based on the ToR approved by SEIAA, Odisha by M/s Kalyani Laboratories Private Limited Bhubaneswar. Kalyani Laboratories-private limited (MoEF & CC and NABL, accredited Lab) has gathered required baseline data for pre-monsoon season (1st Dec 2020 to 28th Feb 2021) and accordingly prepared the EIA / EMP report. 3. The production from the entire cluster will be 203162 cu.m per annum. The 	This quarry needs site inspection Ask from DFO, the DLC status of proposed plots of land by verifying the DLC report and also clarification whether the lease area is outside the eco-sensitive zone of Satkosia Wildlife Sanctuary. Is it an already operational quarry adjacent to village road? Let us be clear on these points. EC be decided on receipt of clarification from DFO / our inspecting officer.
----	--------	-------------------------	---------------------------	---	--	------------	--	-----------------------------------	--	--

consisting of 7 nos of quarries from 1 to 7). ToR issued- 659/GEIAA dated 26.02.2021. Final EIA/EMP submitted.

name and address of the successful bidders for the individual 7 mines within the cluster is given in table below:

Name of the quarry	Successful bidders from 2020-21 to 2024-25
Krushnachaandrapur stone quarry No.1	M/s Jagannath Corporation Projects Pvt. Ltd C/o- Pranab Narayan Sarangi, Plot No.307, Sarangi Bhawan (Gr. Floor), Garage Chawk, Lewis Road, Old town, Odisha, Bhubaneswar, 751002
Krushnachaandrapur stone quarry No.3	
Krushnachaandrapur stone quarry No.4	
Krushnachaandrapur stone quarry No.7	
Krushnachaandrapur stone quarry No.2	Basant Ku. Panda, At- Jarasingha, Angul
Krushnachaandrapur stone quarry No.5	M/s Orissa Biodiesel Jatropha Pvt. Ltd. C/o- Siva Sankar Mohapatra, Plot No.307, Sarangi Bhawan(Gr. Floor), Garage Chawk, Lewis Road, Old town, Odisha, Bhubaneswar, 751002
Krushnachaandrapur stone quarry No.6	

- Krushnachaandrapur has comprised mineralised area of Krushnachaandrapur hillock over 17.15 Ha. The geological reserve (Probable & Possible) for building stone/road metal has been estimated as 2230687cum over the Cluster. It is evident that demonstrated the minestial reserve (Probable) for building stone/road metal worked out to be 2008507 cum over the Cluster.
- Method of mining will be opencast semi mechanized. Handling of rock mass will be done both manually and by excavators. Handpicks, spade, chisel, hammer will be used by manual labors for sorting and sizing. Loosening of rock mass will be done by drilling and blasting Based on the demand of building stone/road metal as revealed by the respective lessees, a maximum of 203192cum per annum of building stone/road metal will be extracted per annum from the Cluster area.
- Annual Production of Building Stone/Road Metal during Plan Period**

Year	Quarry 1	Quarry 2	Quarry 3	Quarry 4	Quarry 5	Quarry 6	Quarry 7	Total production (Cluster) in cum
First	5594	4007	1007	8552	10948	1166	8810	203192 Cum
			7			2		
Second	5594	4007	1007	8552	10948	1166	8810	203192 Cum
			7			2		
Third	5594	4007	1007	8552	10948	1166	8810	203192 Cum
			7			2		
Fourth	5594	4007	1007	8552	10948	1166	8810	203192 Cum
			7			2		
Fifth	5594	4007	1007	8552	10948	1166	8810	203192 Cum
			7			2		

Total	27972	20034	5038	32760	54740	5831	44051	1015960	Cum
			6			0			

7. A total of 225 workers (Skilled-40nos. Semi-skilled-70nos. and Un-skilled-108nos & Mines Manager/Mine Permit Manager-7nos) will be employed during mining operation.
8. It is assumed that around 2/3rd of the generated waste will be transported to the crusher site along with valuable building stone/road metal where these will be sorted out. The remaining 1/3rd of the total waste will be separated at the quarry head and will be stacked in the temporary waste dump of respective quarry lease and will be utilised by the lessee for making of mine road and allied infrastructures.
9. The area of mining cluster is located in the Survey of India Toposheet no.- 73 H/1 and bounded by Latitude-20°51'52.12"N to 20°52'05.51"N and longitudes 85°00'14.14"E to 85°00'37.24"E. The land use pattern of the mining lease area comes under the non-forest waste land (Abada Ajogya Anabadi), bearing Khata no.1, Plot no.42/1,42/2,42/3,42/4,42/5,42/6,42/7 KISSAM, PAHAD. The M.L. area under reference displays a hilly terrain trending N-S. Highest RL in the area is 220 m above msl in the quarry 2 and quarry 4 and the lowest is 170 above msl in the quarry 1. The buffer zone of the study area is not coming under a hilly terrain. The highest altitude of buffer zone is 600 mRL at Durgapur HF and lowest altitude of 103 mRL.
10. There is chance that during monsoon the run-off water may find access to some of the quarries in the Cluster-1.
11. There are no seasonal or perennial nala flows within the lease area. However due to the earlier mining activities there are various mining pits filled with water exists within the lease area. During the rainy season the rain water flows in the hillock through various raincuts and drains water to the existing quarry.
12. 45 KLD of potable water will be required from which 14 KLD of water will be required for drinking & domestic purpose. 21 KLD of water is suggested to be utilized for dust suppression and 10 KLD for plantation purpose. The water requirement by individual lease will be 5 KLD (max). The water will be sourced by tanker by the individual lessee to cater the water requirement. Water will be sourced from ground water and rain water harvesting from the existing quarry.
13. Green belt will be developed over an area of 2.5 ha along the safety zone of the cluster besides individual safety zone of the cluster. Further during the conceptual period 12.88 Ha of the lease area will be reclaimed with plantation.
14. The total cost of the project is 400 lakhs and the updated capital cost and recurring cost (per annum) for the environmental facilities for the proposed mining project works out to be 38 lakhs and 14 lakh / year respectively.
15. The Public Hearing in respect of Environment Clearance for Krushnachandrapur Cluster Hillock Stone mines Deposit over an area of

									<p>17.18 Ha @ Mouza- Krushnachandrapur, Tahasil- Banarpal of Angul District, Odisha was conducted on Dtd. 07.12.2021 at 10 A.M. at Hatapada, Maratha in the district of Angul, Odisha. The public hearing was conducted as per the guidelines of EIA Notification 14th September 2006 and subsequent amendments. The major issues raised during public hearing are control of vibration during blasting, peripheral developmental activities to be monitored by the village committee, health and education facility etc. In compliance to the public hearing a time bound action plan has been prepared and a total of Rs 14.20 Lakhs is proposed for social developmental expenditure by the cluster.</p> <p>18. The Environment consultant M/sKalyani Laboratories Pvt. Ltd. Plot No. 78944, Millennium City, Pahala, Bhubaneswar - 752101 along with the proponent has made a presentation on the proposal before the Committee on 11.02.2022.</p> <p>17. The SEAC recommended the proposal for EC with standard conditions as follows:</p> <p>a. No storage and usage of blasting materials/explosives inside the lease area without license/permission/authorization from competent Authority as per Indian Explosives Rules, 1963 shall be ensured by the lessee. An undertaking to this effect shall be submitted by the lessee. Accordingly, specific condition to be stipulated in EC of individual lease.</p> <p>b. An undertaking to obtain NOC from CGWA and permission from WR department, Govt. Of Odisha for use of ground water. Accordingly, specific condition to be stipulated in EC of individual lease.</p> <p>In view of the above the proposal may be placed in the SEIAA meeting for consideration.</p>	
33.	B1, EC	1(a) Mining of minerals	5970 2/532 - MINB 1/01-2022	Basant a Parida	Krushnachandrapur stone quarry No. 2 over 5.83 Ac. or 2.278 Ha, located in Village, Krushnachandrapur, Tahasil, Banarpal, Dist. Angul (Under Cluster approach of Krushnachandrapur	22.01.2022	Under examination of SEIAA after SEAC	This is an online proposal for EC.	<p>This is regarding a new proposal for mining of minor mineral Stone. The project has submitted at SEIAA under Category 'B1' as the lease area is ≥ 5.0 Ha. As per the EIA Notification, 2006, this project falls in the schedule under Sl No-1(a) -"Mining of Mineral" of non-coal mining sector. The project proponent has submitted proposal for grant of EC for of Sri.Pranab Kumar Sarangi, Director, M/s Jagannath Corporation Projects Private Ltd. for EC of Krushnachandrapur stone quarry No. 2 over 5.83 Ac. or 2.278 Ha, located in Village, Krushnachandrapur, Tahasil, Banarpal, Dist. Angul (Under Cluster approach of Krushnachandrapur building stone cluster, area of 17.18 Ha. or 42.44 Acres consisting of 7 nos of quarries from 1 to 7)-ToR issued-669/SEIAA dated 25.02.2021, Final EIA/EMP submitted.</p> <p>The following documents have been received Form-1, Form-2, PFR, checklist, EIA and EMP, Mining Plan and approval letter, DSR, D.L.C, Village sheet, Cluster certificate, topomap etc.</p> <p>The following deficiencies/omission have been noticed in the above documents.</p> <ul style="list-style-type: none"> Nil <p>Distance from nearest sanctuary/ESZ-Salokosia VLS-10.0km Whether the lease area coming in D.L.C. report-No</p>	This quarry needs site inspection. Ask from DFO, the DLC status of proposed plots of land by verifying the DLC report and also clarification whether the lease area is

building
stone
cluster, area
17.18 Ha. or
42.44
Acres)

Whether the lease area reflecting in DSR-Yes
Road bridge-25.0km, village road-connected to quarry
Method of mining- Semi-Mechanized
Whether it is part of cluster - No
Whether EC obtained earlier- No
Production capacity per annum-10077 cum/annum(max). Geological reserve-
194424 cum. Mineable reserve-102011 cum
This is a B1 category project.
Whether SEAC recommended the proposal -Yes

Other points

1. Environmental Impact Assessment (EIA) and Environmental Management Plan (EMP) carried out for Krushnachaandrapur Stone cluster over an area of 17.18 Ha located at Village Krushnachaandrapur in Banarapat Tahasil of Angul District, Odisha. The cluster consists of 7 individual mining leases located within the cluster area of 500m. The land use pattern of the mining cluster area comes under the non-forest waste land (Abada Ajogya Anabadi), bearing Khata no 1, Plot no 42/1,42/2,42/3,42/4,42/5,42/6,42/7. KISSAM: Pahad; Cluster (Krushnachaandrapur hillock) is featured in the Survey of India Toposheet No. 73 H/1 and bounded between the latitudes 20°51'52.12"N to 20°52'00.51"N and longitudes 85°00'14.14"E to 85°00'37.24"E.
2. The EIA/EMP study has been carried out based on the ToR approved by SEIAA, Odisha by M/s Kalyani Laboratories Private Limited Bhubaneswar. Kalyani Laboratories private limited (MoEF & CC and NABL accredited Lab) has gathered required baseline data for pre monsoon season (1st Dec 2020 to 28th Feb 2021) and accordingly prepared the EIA / EMP report.
3. The production from the entire cluster will be 203192 cum.m per annum. The name and address of the successful bidders for the individual 7 mines within the cluster is given in table below:

Name of the quarry	Successful bidders from 2020-21 to 2024-25
Krushnachaandrapur stone quarry No.1	M/s Jagannath Corporation Projects Pvt. Ltd. Co- Pranab Narayan Sarangi, Plot No.397, Sarangi Bhawan (Gr. Floor), Garage Chawk, Lewis Road, Old town, Odisha, Bhubaneswar, 751002.
Krushnachaandrapur stone quarry No.3	
Krushnachaandrapur stone quarry No.4	
Krushnachaandrapur stone quarry No.7	Basant Ku. Parida, At- Jaraasingha, Angul
Krushnachaandrapur stone quarry No.2	
Krushnachaandrapur stone quarry No.5	M/s Odisha Biodiesel Jatropha Pvt. Ltd. Co- Siva Sankar Mohapatra, Plot No.397, Sarangi Bhawan(Gr Floor), Garage Chawk, Lewis Road, Old town, Odisha, Bhubaneswar, 751002.
Krushnachaandrapur stone quarry No.6	

outside the eco-sensitive zone of Satkosia Wildlife Sanctuary. Is it an already operational quarry adjacent to village road? Let us be clear on these points. EC be decided on receipt of clarification from DFO / our inspecting officer.

4. Krushnachandrapur has comprised mineralised area of Krushnachandrapur hillock over 17.18 Ha. The geological reserve (Probable & Possible) for building stone/road metal has been estimated as 2230557cum over the Cluster. It is evident that demonstrated the mineable reserve (Probable) for building stone/road metal worked out to be 2008507 cum over the Cluster.
5. Method of mining will be opencast semi mechanized. Handling of rock mass will be done both manually and by excavators. Handpicks, spade, chisel, hammer will be used by manual labors for sorting and sizing. Loosening of rock mass will be done by drilling and blasting Based on the demand of building stone/road metal as revealed by the respective lessees, a maximum of 203192cum per annum of building stone/road metal will be extracted per annum from the Cluster area.

6. Annual Production of Building Stone/Road Metal during Plan Period

Year	Quarry y 1	Quarry 2	Quarry y 3	Quarry 4	Quarry 5	Quarry y 6	Quarry 7	Total production (Cluster) in cum
First	5594	4007	1007 7	6552	10948	1166 2	8810	203192 Cum
Second	5594	4007	1007 7	6552	10948	1166 2	8810	203192 Cum
Third	5594	4007	1007 7	6552	10948	1166 2	8810	203192 Cum
Fourth	5594	4007	1007 7	6552	10948	1166 2	8810	203192 Cum
Fifth	5594	4007	1007 7	6552	10948	1166 2	8810	203192 Cum
Total	27972	20034	5038 6	32760	54740	5831 0	44051	1015960Cum

7. A total of 225 workers (Skilled-40nos., Semi-skilled-70nos. and Un-skilled-108nos & Mines Manager/Mine Permit Manager-7nos) will be employed during mining operation.
8. It is assumed that around 2/3rd of the generated waste will be transported to the crusher site along with valuable building stone/road metal where these will be sorted out. The remaining 1/3rd of the total waste will be separated at the quarry head and will be stacked in the temporary waste dump of respective quarry lease and will be utilised by the lessee for making of mine road and allied infrastructures.
9. The area of mining cluster is located in the Survey of India Toposheet no - 73 H/1 and bounded by latitude-20°51'52.12"N to 20°52'06.51"N and longitudes 85°00'14.14"E to 85°00'37.24"E. The land use pattern of the mining lease area comes under the non-forest waste land (Abada Apyya Anabadi), bearing Khata no.1, Plot no.42/1,42/2,42/3,42/4,42/5,42/6,42/7. Kissam: Pahad. The M.L. area under reference displays a hilly terrain.

trending N-S. Highest RL in the area is 220 m above msl in the quarry 2 and quarry 4 and the lowest is 170 above msl in the quarry 1. The buffer zone of the study area is not coming under a hilly terrain. The highest altitude of buffer zone is 660 mRL at Durgapur RF and lowest altitude of 103 mRL.

10. There is chance that during monsoon the run-off water may find access to some of the quarries in the Cluster-1.
11. There are no seasonal or perennial water flows within the lease area. However due to the earlier mining activities there are various mining pits filled with water exists within the lease area. During the rainy season the rain water flows in the hillock through various rancuts and drains water to the existing quarry.
12. 45 KLD of potable water will be required from which 14 KLD of water will be required for drinking & domestic purpose, 21 KLD of water is suggested to be utilized for dust suppression and 10 KLD for plantation purpose. The water requirement by individual lease will be 5 KLD (max). The water will be sourced by tanker by the individual lessee to cater the water requirement. Water will be sourced from ground water and rain water harvesting from the existing quarry.
13. Green belt will be developed over an area of 2.5 ha along the safety zone of the cluster besides individual safety zone of the cluster. Further during the conceptual period 12.56 Ha of the lease area will be reclaimed with plantation.
14. The total cost of the project is ₹ 400 lakhs and the updated capital cost and recurring cost (per annum) for the environmental facilities for the proposed mining project works out to be ₹ 38 lakhs and ₹ 14 lakh / year respectively.
15. The Public Hearing in respect of Environment Clearance for Krushnachandrapur Cluster Hillock Stone mines Deposit over an area of 17.18 Ha at Mouza- Krushnachandrapur, Tahasil- Banerpal of Angul District, Odisha was conducted on Dtd. 07.12.2021 at 10 A.M. at Hatapadia, Moraha in the district of Angul, Odisha. The public hearing was conducted as per the guidelines of EIA Notification 14th September 2006 and subsequent amendments. The major issues raised during public hearing are control of vibration during blasting, peripheral developmental activities to be monitored by the village committee, health and education facility etc. In compliance to the public hearing a time bound action plan has been prepared and a total of ₹ 14.20 Lakhs is proposed for social developmental expenditure by the cluster.
16. The Environment consultant M/sKalyani Laboratories Pvt. Ltd. Plot No. 76/944, Millennium City, Pahala, Bhubaneswar - 752101 along with the proponent has made a presentation on the proposal before the Committee on 11.02.2022.
17. The SEAC recommended the proposal for EC with standard conditions as follows:
 - a. No storage and usage of blasting materials/explosives inside the lease

									area without license/permission/authorization from competent Authority as per Indian Explosives Rules, 1983 shall be ensured by the lessee. An undertaking to this effect shall be submitted by the lessee. Accordingly, specific condition to be stipulated in EC of individual lease. b. An undertaking to obtain NOC from CGWA and permission from WR department, Govt. Of Odisha for use of ground water. Accordingly, specific condition to be stipulated in EC of individual lease. In view of the above the proposal may be placed in the SEIAA meeting for consideration.	
34.	B2, EC	1(a) Mining of minerals	SI/ OR/ MIN/ 5970 2/2021	Sri. Siva Sankar Mohapatra, Director, M/s Orissa Biodiesel Private Ltd	Proposal of Sri. Siva Sankar Mohapatra, Director, M/s Orissa Biodiesel Private Ltd, for EC of Krushnach andrapur stone quarry No 6 over 5.50 Ac. or 2.225 Ha. located in Village: Krushnach andrapur, Tahasil Banarpal, Dist. Angul (Under Cluster approach of Krushnach andrapur building	22.01, 2022	Under examination of SEIAA after SEAC	This is an online proposal for EC.	This is regarding a new proposal for mining of minor mineral Stone. The project has submitted at SEIAA under Category 'B1' as the lease area is ≥ 5.0 Ha. As per the EIA Notification, 2006, this project falls in the schedule under SI.No-1(a) - "Mining of Mineral" of non-coal mining sector. The project proponent has submitted proposal for grant of EC for of Sri.Pranab Kumar Sarangi, Director, M/s Jagannath Corporation Projects Private Ltd. for EC of Krushnachandrapur stone quarry No. 6 over 5.50 Ac. or 2.225 Ha. located in Village: Krushnachandrapur, Tahasil Banarpal, Dist. Angul (Under Cluster approach of Krushnachandrapur building stone cluster, area of 17.18 Ha. or 42.44 Acresconsisting of 7 nos of quarries from 1 to 7)- ToR issued-659/SEIAA dated 26.02.2021. Final EIA/EMP submitted. The following documents have been received Form-1, Form-2, PFR, checklist, EIA and EMP, Mining Plan and approval letter, DSR, D.L.C, Village sheet, Cluster certificate, topomap etc. The following deficiencies/omission have been noticed in the above documents. • Nil Distance from nearest sanctuary/ESZ-Satkosia WLS-10.0km Whether the lease area coming in D.L.C. report-No Whether the lease area reflecting in DSR-Yes Road bridge-25.0km, village road-connected to quarry Method of mining- Semi-Mechanized Whether it is part of cluster - No Whether EC obtained earlier- No Production capacity per annum-10077 cum/annum(max), Geological reserve-194424 cum, Mineable reserve-102011 cum This is a B1 category project. Whether SEAC recommended the proposal -Yes <u>Other points</u> 1. Environmental Impact Assessment (EIA) and Environmental Management Plan (EMP) carried out for Krushnachandrapur Stone cluster over an area of 17.18 Ha located at Village Krushnachandrapur in Banarpal Tahasil of Angul District, Odisha. The cluster consists of 7 individual mining leases located within the cluster area of 500m. The land use pattern of the mining cluster area comes under the non-forest waste land (Abada Ajogya Anabadi) bearing Khata no.1, Plot no.42/1,42/2,42/3,42/4,42/5,42/6,42/7	This quarry needs site inspection. Ask from DFO, the DLC status of proposed plots of land by verifying the DLC report and also clarification whether the lease area is outside the eco-sensitive zone of Satkosia Wildlife Sanctuary. Is it an already operational quarry adjacent to village road? Let us be clear on these points. EC be decided

stone cluster, area 17.18 Ha or 42.44 Acres, consisting of 7 nos of quarries from 1 to 7. ToR issued- 858/SEIAA dated 28.02.2021 Final EIA/EMP submitted.

Kissam; Pahad, Cluster (Krushnachandrapur hillock) is featured in the Survey of India Toposheet No. 73 IV/1 and bounded between the latitudes 20°51'52.12"N to 20°52'06.51"N and longitudes 85°00'14.14"E to 85°00'37.24"E.

- The EIA/EMP study has been carried out based on the ToR approved by SEIAA, Odisha by M/s Kalyani Laboratories Private Limited Bhubaneswar. Kalyani Laboratories private limited (MoEF & CC and NABL accredited Lab) has gathered required baseline data for pre-monsoon season (1st Dec 2020 to 28th Feb 2021) and accordingly prepared the EIA / EMP report.
- The production from the entire cluster will be 203192 cum per annum. The name and address of the successful bidders for the individual 7 mines within the cluster is given in table below.

Name of the quarry	Successful bidders from 2020-21 to 2024-25
Krushnachandrapur-stone quarry No.1	M/s Jagannath Corporation Projects Pvt. Ltd./C/o- Pranab Narayan Sarangi, Plot No.307, Sarangi Bhawan (Gr. Floor), Garage Chawk, Lewis Road, Old town, Odisha, Bhubaneswar, 751002
Krushnachandrapur stone quarry No.3	
Krushnachandrapur stone quarry No.4	
Krushnachandrapur-stone quarry No.7	
Krushnachandrapur stone quarry No.2	Basant Ku. Panda, At- Jarasingha, Angul
Krushnachandrapur stone quarry No.5	M/s Orissa Biodiesel Jatropha Pvt. Ltd. C/o- Siva Sankar Mohapatra, Plot No.307, Sarangi Bhawan(Gr. Floor), Garage Chawk, Lewis Road, Old town, Odisha, Bhubaneswar, 751002
Krushnachandrapur stone quarry No.6	

- Krushnachandrapur has comprised mineralised area of Krushnachandrapur hillock over 17.18 Ha. The geological reserve (Probable & Possible) for building stone/road metal has been estimated as 2230687cum over the Cluster. It is evident that demonstrated the mineable reserve (Probable) for building stone/road metal/worked out to be 2008507 cum over the Cluster.
- Method of mining will be opencast semi-mechanized. Handling of rock mass will be done both manually and by excavators. Handpicks, spade, chisel, hammer will be used by manual labors for sorting and sizing. Loosening of rock mass will be done by drilling and blasting. Based on the demand of building stone/road metal as revealed by the respective lessees, a maximum of 203192cum per annum of building stone/road metal will be extracted per annum from the Cluster area.
- Annual Production of Building Stone/Road Metal during Plan Period

on receipt of clarification from DFO / our inspecting officer.

Year	Quarry 1	Quarry 2	Quarry 3	Quarry 4	Quarry 5	Quarry 6	Quarry 7	Total production (Cluster) in cum
First	5594	4007	1007	6552	10948	11662	8810	203192 Cum
Second	5594	4007	1007	6552	10948	11662	8810	203192 Cum
Third	5594	4007	1007	6552	10948	11662	8810	203192 Cum
Fourth	5594	4007	1007	6552	10948	11662	8810	203192 Cum
Fifth	5594	4007	1007	6552	10948	11662	8810	203192 Cum
Total	27972	20034	5038	32760	54740	58310	44051	1015960Cum

7. A total of 225 workers (Skilled-40nos., Semi-skilled-70nos. and Un-skilled-108nos. & Mines Manager/Mine Permit Manager-7nos) will be employed during mining operation.
8. It is assumed that around 2/3rd of the generated waste will be transported to the crusher site along with valuable building stone/road metal where these will be sorted out. The remaining 1/3rd of the total waste will be separated at the quarry head and will be stacked in the temporary waste dump of respective quarry lease and will be utilised by the lessee for making of mine road and allied infrastructures.
9. The area of mining cluster is located in the Survey of India Toposheet no.- 73 H/1 and bounded by Latitude-20°51'52.12"N to 20°52'06.51"N and longitudes 85°00'14.14"E to 85°00'37.24"E. The land use pattern of the mining lease area comes under the non-forest waste land (Abada Ajogya Anabad), bearing Khata no.1, Plot no.421,422,423,424,425,426,427 Kisan Pahad. The M.L. area under reference displays a hilly terrain trending N-S. Highest RL. in the area is 220 m above msl in the quarry 2 and quarry 4 and the lowest is 170 above msl in the quarry 1. The buffer zone of the study area is not coming under a hilly terrain. The highest altitude of buffer zone is 660 mRL. at Durgapur RE and lowest altitude of 103 mRL.
10. There is chance that during monsoon the run-off water may find access to some of the quarries in the Cluster-1.
11. There are no seasonal or perennial nala flows within the lease area. However due to the earlier mining activities there are various mining pits filled with water exists within the lease area. During the rainy season the rain water flows in the hillock through various raincuts and drains water to the existing quarry.
12. 45 KLD of potable water will be required from which 14 KLD of water will be

required for drinking & domestic purpose. 21 KLD of water is suggested to be utilized for dust suppression and 10 KLD for plantation purpose. The water requirement by individual lease will be 5 KLD (max). The water will be sourced by tanker by the individual lessee to cater the water requirement. Water will be sourced from ground water and rain water harvesting from the existing quarry.

13. Green belt will be developed over an area of 2.5 ha along the safety zone of the cluster besides individual safety zone of the cluster. Further during the conceptual period 12.88 Ha of the lease area will be reclaimed with plantation.

14. The total cost of the project is ₹ 400 lakhs and the updated capital cost and recurring cost (per annum) for the environmental facilities for the proposed mining project works out to be ₹ 38 lakhs and ₹ 14 lakh / year respectively.

15. The Public Hearing in respect of Environment Clearance for Krushnachandrapur Cluster Hillock Stone mines Deposit over an area of 17.18 Ha at Mouza- Krushnachandrapur, Tahasil- Banarpal of Angul District, Odisha was conducted on Dtd. 07.12.2021 at 10 A.M. at Hatapadia, Maratha in the district of Angul, Odisha. The public hearing was conducted as per the guidelines of EIA Notification 14th September 2006 and subsequent amendments. The major issues raised during public hearing are control of vibration during blasting, peripheral developmental activities to be monitored by the village committee, health and education facility etc. In compliance to the public hearing a time bound action plan has been prepared and a total of Rs 14.20 Lakhs is proposed for social developmental expenditure by the cluster.

16. The Environment consultant M/sKalyani Laboratories Pvt. Ltd, Plot No. 78/944, Millennium City, Pahala, Bhubaneswar - 752101 along with the proponent has made a presentation on the proposal before the Committee on 11.02.2022.

17. The SEAC recommended the proposal for EC with standard conditions as follows:

- a. No storage and usage of blasting materials/explosives inside the lease area without license/permission/authorization from competent Authority as per Indian Explosives Rules, 1983 shall be ensured by the lessee. An undertaking to this effect shall be submitted by the lessee. Accordingly specific condition to be stipulated in EC of individual lease.
- b. An undertaking to obtain NOC from CGWA and permission from WR department, Govt. Of Odisha for use of ground water. Accordingly, specific condition to be stipulated in EC of individual lease.

In view of the above the proposal may be placed in the SEIAA meeting for consideration.

35.	B1, EC	1(a) Mining of minerals	SIA/OR/ MIN/ 4477 9/201 9	M/s Manikeswari Minerals	Proposal of M/s Manikeswari Minerals for EC of Bankia Quartz and Gemstone Mines over an area of 21.092 Ha at Village Bankia, Tehsil- Baramaharajpur, Dist- Sonepur, Odisha of (ToR issued:8614/SEIAA dated 17.07.2020. Final EIA/EMP report submitted)	17.01 2022	Under examination of SEIAA after SEA C	This is an online proposal for EC.	<p>This is regarding a new proposal for mining of mineral of Decorative Stone. The project has submitted at SEIAA under Category 'B1' as the lease area is ≥ 5.0 Ha. As per the EIA Notification, 2006, this project falls in the schedule under Sl.No-1(a) - "Mining of Minerals" of non-coal mining sector. The project proponent has submitted Proposal of M/s Manikeswari Minerals for EC of Bankia Quartz and Gemstone Mines over an area of 21.092 Ha at Village Bankia, Tehsil- Baramaharajpur, Dist- Sonepur, Odisha of (ToR issued:8614/SEIAA dated 17.07.2020, Final EIA/EMP report submitted).</p> <p>The following documents have been received: Form-1, Form-2, PFR, checklist, EIA and EMP, Mining Plan and approval letter, D.L.C.</p> <p>The following deficiencies/omission have been noticed in the above documents.</p> <ul style="list-style-type: none"> • Nil <p>Distance from nearest sanctuary/ESZ-Ushakoti WLS-50.0km Whether the lease area coming in D.L.C. report-No Whether the lease area reflecting in DSR-Yes Road bridge-9.0km, village road-1.5km Method of mining- Semi-Mechanized Whether it is part of cluster - No Whether EC obtained earlier- No Production capacity per annum-13020 cum/annum(max.); Geological reserve- 530750 cum, Mineable reserve-407750 cum This is a B1 category project. Whether SEAC recommended the proposal -Yes: <u>Other points</u></p> <ol style="list-style-type: none"> 1. ToR was issued for this project on 17.07.2020 and Public hearing was conducted on 02.09.2021 2. The Environmental Impact Assessment (EIA) and Environmental Management Plan (EMP) carried out for the Bankia Quartz and Gemstone mines over an area of 21.092 Ha, at Village-Bankia under Baramaharajpur Tahasil of Sonepur District, Odisha. 3. Brief profile of the project are given below: <table border="1"> <thead> <tr> <th>Sl. No</th> <th>Salient Features</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>i)</td> <td>Total applied ML area</td> <td>21.092 ha</td> </tr> <tr> <td>ii)</td> <td>Village</td> <td>Bankia</td> </tr> <tr> <td>iii)</td> <td>District and State</td> <td>Sonepur, Odisha</td> </tr> <tr> <td>iv)</td> <td>Land Category</td> <td>Agricultural land, Grazing land and waste land</td> </tr> <tr> <td>v)</td> <td>Toposheet No.</td> <td>73D/1</td> </tr> <tr> <td>vi)</td> <td>Latitude</td> <td>20°57'01"N</td> </tr> <tr> <td>vii)</td> <td>Longitude</td> <td>84°05'38"E</td> </tr> </tbody> </table>	Sl. No	Salient Features	Description	i)	Total applied ML area	21.092 ha	ii)	Village	Bankia	iii)	District and State	Sonepur, Odisha	iv)	Land Category	Agricultural land, Grazing land and waste land	v)	Toposheet No.	73D/1	vi)	Latitude	20°57'01"N	vii)	Longitude	84°05'38"E	EC be issued with standard and specific conditions recommended by SEAC. The issued raised during public hearing are to be adequately addressed.
Sl. No	Salient Features	Description																																
i)	Total applied ML area	21.092 ha																																
ii)	Village	Bankia																																
iii)	District and State	Sonepur, Odisha																																
iv)	Land Category	Agricultural land, Grazing land and waste land																																
v)	Toposheet No.	73D/1																																
vi)	Latitude	20°57'01"N																																
vii)	Longitude	84°05'38"E																																

viii)	Nearest Town	Biramaharipur (12Km)
ix)	Nearest Railway station	Charnal (20Km)
x)	Nearest Forest	Hatalmund Reserve Forest: 6Km. W
xi)	Reserves	Total Geological Reserve - 530750T Total Mineable Reserve - 407750 T
xii)	Ore to be mined	Quartz & Gemstone
xiii)	Life of the mines	50 Years as per MMDR Act 2015
xiv)	Total Waste generation	8286 Cu.m (During proposed plan period)
xv)	Shipping Ratio	1: 0.17
xvi)	Water requirement	2700 litres per day for domestic and non-domestic purpose
xvii)	Source of water	Domestic water requirement will be sourced from dug well and the water requirement for non-domestic purpose stone will be sourced from mined drainage water
xviii)	Man power	44
xix)	Transport	By Truck/ Tippers
xx)	Cost of Project	300 lakhs

4. The mine is granted for mining of Quartz and Gemstone deposit granted in favour of M/s Manikewari Minerals on 07.01.2017, by Department of Steel and Mines, Govt. of Odisha, Bhubaneswar. The mining plan has been approved by Directorate of Geology, Govt. of Odisha vide letter no. 7350/DM dated 15.05.2003 and modified mining plan has been approved vide letter No.BBS / SNP/Qtz & Gem / MP-255 on dated 29.09.2005.
5. Kalyani Laboratories private limited (MoEF & CC and NABL accredited Lab) has gathered required baseline data for winter season (December 2019 to February 2020) and accordingly prepared the EIA / EMP report.
6. The area represents a plain and less undulating topography with a gentle slope towards South - East whose major part is covered with grazing land and agricultural land. The highest and lowest contours marked in the area are 120 mRL and 119 mRL respectively. The area falls under survey of India Toposheet no. 73D/1 between latitude 20°57'01"N and longitude 84°03'38"E. No perennial riata exists in the lease area. Surface runoff water flows to east as the area slope towards south east. Sarubali Jhor flows from north to south at about 6 Km east to applied area and Harthar Jhor flows from north to south is at about 3 Km from the area towards southwest. The land use pattern of the lease area is Atta, Mala, Bema, Gochar.
7. The geological reserve as estimated from the lease area is 5,39,750 tonnes and the mineable reserve is 377825 tonnes. The colluvial material available in the lease area is 3500 cu.m. Quartz in the ML area is excavated by conventional method of opencast mining on single shift basis.
8. The proposed production from the lease area will be 18600 cu.m per annum of quartz and 17.5 Kg of amethyst from the lease area.

									<p>9. As per the satellite imagery of the buffer zone of the project site it has been observed that about 40 % of the land cover is used as Fallow land, 38 % of the land is Crop Land depend upon rain for cultivation, forest cover of the area is about 10% and Open forest land is about 6%.</p> <p>10. During the study period the concentration of PM₁₀ varies from 37.5 to 56.3 µg/m³ and PM_{2.5} varies from 17.2 to 26.2 µg / m³. The conc. of SO₂ varies from 5.2 to 10.4 µg / m³ and NOx conc. varies from 9.1 to 10.2 µg / m³.</p> <p>11. The surface water analysis result reveal that the water is suitable for outdoor use for human, cattle drinking and irrigation purpose.</p> <p>12. From the water quality results it can be inferred that all the parameters analysed are under the prescribed limit specified under IS10500: 2012 for drinking water. The water does not contain any pollutant which would not be hazardous for human, animal or crop health.</p> <p>13. The soil analysis result shows that the soil is lower to medium fertile and suitable for paddy cultivation.</p> <p>14. There is no ecological sensitive zones, wild life sanctuary, national park or biosphere reserve located within the buffer zone of the lease area.</p> <p>15. The mining activity will be carried out up to ultimate depth of 120 mRL and the depth of ground water during pre-monsoon period is 116 mRL and during post monsoon it is up to 110 mRL. The mining activity will not intersect the ground water table so the impact of the mining activity on the ground water table will not be there.</p> <p>16. Plantation of about 4000 saplings has been done along the boundary i.e. safety zone and 500 saplings will be planted on the amethyst bearing zone during the first 2 years of plan period. Further there will be plantation over an area of 5.920 Ha with 10000 saplings in the backfilled area during conceptual period.</p> <p>17. The Public hearing for Bankis Quartz and gemstone mines was carried out at Bankis village of Subarnapur District on 02.09.2021 as per the provisions of EIA Notification, 2006 of MoEF&CC Govt. of India. The proponent assured for implementation of the Social developmental programme as per the schedule. The local people will be allowed for Kendu leave collection during morning hours from upper and lower part of lease area.</p> <p>18. The cost allocated for Environment management plan will be ~ 30 lakhs as Capital expenditure and ~ 10 lakhs per annum as recurring expenditure. The cost allocated for social developmental activities will be ~ 28.05 lakhs.</p> <p>19. The Environment consultant M/s Kalyani Laboratories Pvt. Ltd., Plot No. 78/944, Millenium City, Pahala, Bhubaneswar – 752101 along with the proponent has made a presentation on the proposal before the Committee on 04.02.2022.</p> <p>20. The SEAC recommended for grant of Environmental Clearance with stipulated conditions as per Annexure – I.</p> <p>In view of the above the proposal may be placed in the SEIAA meeting for consideration.</p>
--	--	--	--	--	--	--	--	--	---

36	B1, EC	1(a) Mining of minerals	SIA/QR/MIN/26272/2018	M/s Amajothi Granites India Pvt Ltd, Sri Suresh Chandra Pradhan (Power of Attorney Holder)	Proposal of M/s Amajothi Granites India Pvt Ltd for EC of Bhagabanpur Decorative Stone Mine Over an area 31.808 ha with Production Capacity of 30,000 m3 Per Annum At Village- Bhagabanpur, Tehsil- Berhampur, District- Ganjam (ToR issued vide letter no.323/SEAC-39 dated 19.10.2019, Final EIA/EMP submission under Violation	23.12.2021	Under examination of SEIAA after SEA C	This is an online proposal for EC.	<p>This is regarding a new proposal for mining of mineral of Decorative Stone. The project has submitted at SEIAA under Category 'B1' as the lease area is > 5.0 Ha. As per the EIA Notification, 2006, this project falls in the schedule under Sl No-1(a) - "Mining of Mineral" of non-coal mining sector. The project proponent has submitted proposal of M/s Amajothi Granites India Pvt Ltd for EC of Bhagabanpur Decorative Stone Mine Over an area 31.808 ha with Production Capacity of 30,000 m3 Per Annum At Village- Bhagabanpur, Tehsil-Berhampur, District-Ganjam (ToR issued vide letter no.323/SEAC-39 dated 19.10.2019, Final EIA/EMP submission under Violation case).</p> <p>The following documents have been received: Form-1, PFR, lease order, mining plan etc.</p> <p>The following deficiencies/omission have been noticed in the above documents.</p> <ul style="list-style-type: none"> Nil <p>Distance from nearest sanctuary/ESZ-not mentioned Whether the lease area coming in D.L.C. report-No Whether the lease area reflecting in DSR-Yes Road bridge-25.0km, village 3.0km Method of mining- Semi-Mechanized Whether it is part of cluster - No Whether EC obtained earlier- No Production capacity per annum-30000 cum/annum(max.) This is a B1 category project. Whether SEAC recommended the proposal -Yes</p> <p><u>Other points</u></p> <ol style="list-style-type: none"> 1. Amajothi Granites (India) Pvt. Ltd. has proposed a Bhagabanpur Decorative Stone Mine (ML Area: 31.808 ha) with Production Capacity of 30,000 m3 Per Annum (ROM) at village- Bhagabanpur, Tehsil- Kukulakhandi, (Earlier Berhampur), District-Ganjam (Odisha) 2. Mining lease was granted in favor of M/s. Amajothi Granites (India) Pvt Ltd over an area of 31.808 ha at village- Bhagabanpur, Tehsil-Berhampur, District-Ganjam (Odisha) by Govt of Odisha vide their letter no 9379/SM, dated 11.9.1995. 3. Mining lease was executed for a period of 10 years w.e.f. 17.01.1996. Thus lease period was up to 16.01.2006. 4. Application for 1st renewal over an area of 31.808 ha is under process for another term of 20 years from 17.01.2006 to 16.01.2026. 5. Mining scheme has been approved by Directorate of Mines, Odisha vide their letter No MXXII (a)- 5/15-2925/DM dated 19.03.2015. 6. Application for getting ToR was submitted to SEIAA, Odisha on 11.04.2016. 7. Letter was issued by SEIAA, Odisha stating that in pursuance of Gazette Notification issued by MoEFCC, New Delhi dated 14.03.2017, you are required to file your application for EC, online at the website of the MoEFCC, at the earliest, latest by the deadline prescribed in the said notification, as grant of EC in such cases, where violation has been committed before the 14th March, 	EC be issued with all stipulations applicable to same type of projects
----	--------	-------------------------	-----------------------	--	---	------------	--	------------------------------------	---	--

case)

- 2017, shall be considered by the MoEFCC and not this authority.
8. Terms of Reference (ToR) has been granted by SEIAA, Odisha vide letter no. 323/SEAC-38, dated 19.10.2019.
 9. The public hearing was conducted on 26.10.2021. The major issues are employment, peripheral development, road development, plantation and pollution control etc.
 10. The Bhagabanpur Decorative Stone Deposit over 43.58 acres or 17.547 Ha in village Bhagabanpur under Kukudakhandi Tahasil of Ganjam District, Odisha has been 17.01.1996 in favour of M/s Amarjoshi Granites (India) Pvt. Ltd upto 16.01.2006.1st renewal application made on 17.08.2005 for 20 years. However, the lease period will be extended for 30 years from 17.01.1996 to 16.01.2026 as per section 5(2) of Odisha Minor Mineral concession rule, 2016.
 11. **Location and Connectivity** - The mining lease area is located in Village Bhagabanpur under Berhampur Tahasil of Ganjam District, Odisha and is on Khata No. 215, Plot No. 4/P & B, Kiasam - Parbat (Abada Ajogya Anabadi) covers under Toposheet No: 74A/11. It is bounded by Latitude-19° 20' 29" - 19° 20' 47" N & Longitude - 84° 42' 45" - 84° 43' 20" E. Nearest railway station is Berhampur, 10 km away. Nearest airport is Bhubaneswar, 162 km away. Nearest town is Berhampur, 8 km away. Medical facilities are available at Berhampur which is about 8km. Nearest NH is NH 16 at 10km and SH 17 at 2km. Nearest habitation is Bodalundi at 500m and Bhagabanpur at 1km. The study area within 10 Km of the project site is devoid of any national parks, sanctuaries, Biosphere reserves, wild life corridors, tiger/elephant reserves etc.
 12. Land pattern use as shown in the satellite imagery of the study area shows that the project area constitutes mainly agricultural land (65%).
 13. Mining plan is being approved by Director of Geology, Odisha, Bhubaneswar vide letter no. MXXII-(a)-12/2020/2681/DM dated 06.04.2021.
 14. **Method of Mining** - The mining is done by opencast semi mechanized method on single shift basis with deployment of machineries like Hydraulic Rock Drillers, jack hammer drill, compressor, hydraulic excavator, Diamond wire rope Cutler & tippers. Height and width of the benches will be 5m each and the overall slope angle of the benches will be around 90°. The overall slope of the quarry will be 45°.
 15. **Resource and Reserves** - The mine has the Resource of Decorative stone is 27,57,380 cum and reserve of Decorative stone is 23,89,308 cum.
 16. **Production and waste management details** - It is proposed to excavate 30000 Cum of ROM per annum out of which 26250 Cum shall be Marketable rock and 3750 Cum will be non-saleable in nature. During the plan period 199500 cu.m of waste and 16625 cu.m of sub grade will be generated. The waste and sub grade generated during the plan period will be dumped over an area of 1.0 Ha. During the conceptual period (life of mines) about 424500cu.m of waste will be generated. The waste generated during the proposed plan period and conceptual period will be dumped over an area of 3.580 Ha with a maximum height of 10m.
 17. **Power Requirement** - There is no electricity connection to the lease area. A

									<p>100 kVA DG set is used as source of power. The diesel consumption in the mines for operation of machineries and DG set will be 8 liters per hour.</p> <p>18. Water Requirement - 8KLD of water shall be required which will be sourced from Rain water harvesting and Tanker from nearby villages.</p> <p>19. Rain Water Harvesting - Rain water will be harvested through rain water harvesting tank of dimensions 40mx40mx12m to store around 622cum of rain water.</p> <p>20. Green Belt- 0.726 Ha area will be under plantation in the 5 year plan period. 2100 number of saplings will be planted as per the approved mining plan. 7450 number of saplings will be planted by the end of conceptual period. Local species will be selected for plantation in consultation with DFO. Road side plantation will be carried out to control soil erosion and air pollution. Post plantation care will be taken properly to achieve Survival rate of 80-85% to maintain suitable growth & tree density.</p> <p>21. Employment Potential - Total number of employee will be around 73 which includes skilled, semi-skilled & unskilled category in the mine.</p> <p>22. The cost of the project will 3.5 cores. The capital cost of environmental mitigation measures is estimated to be Rs. 23 Lakhs and the estimated recurring cost of environmental mitigation measures for the proposed project has been estimated to be Rs. 9.7 lakhs. The cost for peripheral developmental activities is 25 Lakhs.</p> <p>23. The Environment consultant M/s Kalyani Laboratories Pvt. Ltd. Bhubaneswar along with the proponent have made a detailed presentation on the proposal before the Committee on 17.01.2022.</p> <p>24. The SEAC recommended the proposal for EC with standard conditions.</p> <p>In view of the above the proposal may be placed in the SEIAA meeting for consideration.</p>	
37.	B1, EC	1(a) Mining of minerals.	SIA/OR/ MIN/ 5758 0/2022 Q	M/s Jay Minerals; SriAjay Agarwal	Proposal of EC of Chandanpur Decorative Stone (Granite Gneiss) Mines deposit over an Area of 9.696 Ha, Village- Chandanpur	04.01.2022	Under examination of SEIAA after SEAC	This is an online proposal for EC.	<p>This is regarding a new proposal for mining of mineral of Decorative Stone. The project has submitted at SEIAA under Category 'B1' as the lease area is ≥ 5.0 Ha. As per the EIA Notification, 2006, this project falls in the schedule under Sl.No-1(a) -"Mining of Mineral" of non-coal mining sector. The project proponent has submitted Proposal of EC of Chandanpur Decorative Stone (Granite Gneiss) Mines deposit over an Area of 9.696 Ha, Village- Chandanpur, Tahasil- Lanjigarh, District- Kalahandi, Odisha (Cluster Approach with cluster area 13.298 Ha)-Final EIA /EMP submitted. ToR issued-310/SEIAA dated 03.02.2021</p> <p>The following documents have been received Form-1, Form-2, PFR, checklist, EIA and EMP, Mining Plan and approval letter, DSR, D.L.C, Village sheet, Cluster certificate, topomap etc</p> <p>The following deficiencies/omission have been noticed in the above documents.</p> <ul style="list-style-type: none"> • Nil <p>Distance from nearest sanctuary/ESZ-Ambapani WLS-96.0km Whether the lease area coming in D.L.C. report-No</p>	The PP has submitted individual application. EC be issued with the specific conditions as recommended by SEAC.

ur, Tahasil
Lanjigarh,
District
Kalahandi,
Odisha
(Cluster
Approach
with cluster
area
13.298
Ha)-Final
EIA /EMP
submitted.
ToR
issued-
310/SEIAA
dated
03.02.2021

Whether the lease area reflecting in DSR-Yes
Road bridge-1.7km, village road-0.5km
Method of mining- Semi-Mechanized
Whether it is part of cluster – Yes
Whether EC obtained earlier- No
Production capacity per annum-8346 cum/annum(max). Geological reserve-
316075 cum, Mineable reserve-249599 cum
This is a B1 category project.
Whether SEAC recommended the proposal –Yes
Other points
1. The project comes under Category B1 (>5.0 Ha <100 Ha).
2. ToR issued for this project on 02.02.2021 and Public hearing was conducted on
15.09.2021
3. The LOI has been issued vide Letter No.7100/S&M, Bhutanagar dated
02.08.2019 (9.696 Ha) in favour of M/s Jay Minerals. The lease period will be
30 years. The mining plan has been approved vide letter no. MXXII-(a)
822020/5435/DM dated 12.08.2020
4. The cost of the project will be 200 lakhs. Total man power requirement for the
cluster will be 14 nos. Production from the mines will be Decorative stone –
4385 Cum (Max); ROM – 14625 cu.m (Max). Average water requirement for
mines will be 5 KLD and will be sourced from tanker for domestic purpose and
RWH for dust suppression and plantation.
5. The Mining cluster under reference represents an undulating topography
comprising of a hill ridge with steep slope. The mine Cluster area of 13.298 Ha
is covered in the Survey of India Toposheet No. E44F9, Chandanpur
Decorative stone mines of 9.696 Ha is bounded by Latitude- 19°46'46.68"N to
19°46' 50.86"N and Longitude-83°25'47.74"E to 83°26'5.40"E.
6. The highest and lowest elevations of the area are 390mRL in the Central part
and 376mRL in the SW part of the M.I. area respectively Overall slope of the
area is due north west for both the mines in the cluster.
7. The geological and mineable reserve of is 1146595cu.m and 1009000cu.m
respectively
8. A total of 78427 cum (in-situ) waste/rejects is likely to be generated during the
plan period from the cluster of two mines.
9. Mining is essentially proposed by opencast and semi mechanized method with
the deployment of machines like LD bore machine, jack hammer drill,
compressor, hydraulic excavators & tipper.
10. In the present case the SEIAA, Odisha vide Letter No 257/SEIAA, dated
02.02.2021 has finalized the Terms of Reference (ToR) for undertaking detailed
EIA study for the purpose of obtaining environment clearance.
11. The EIA/EMP report is based on the data generated from October 2020 to April
2020 by M/s Kalyani Laboratories Private Limited. The study area is confined to
10 km radius of the M.I. area.
12. The mining activity is not likely to intersect ground water as the ground water
table occurs at 340mRL in summer season and in Rainy season at 350mRL.

The mining will go up to the maximum depth of 376mRL. So, there will be no chance of intersecting the ground water table by the mining activity during the conceptual period also. So, the impact of mining on the ground water is not envisaged.

13. The mining lease area does not include any forest land. The ML area and the buffer zone is devoid of any endangered flora and fauna species. The existing vegetation within the ML area includes few shrubs which are sparsely scattered. There is no ecological sensitive areas/zone located within the 10 Km radius of the proposed cluster.
14. A total of 78427 cum (in-situ) waste/objects is likely to be generated during the plan period from the cluster of two mines.
15. However, about 70% of the generated waste will be utilized for maintenance and construction of the haul road, approach and existing roads in the surrounding areas periodically and also be disposed of as minor mineral other than decorative stone with the permission of the competent authority.
16. The plantation will be done over an area of 1.295 Ha in the lease boundary and open spaces available. By the end of conceptual period the dumping and stacking area will be covered under plantation.
17. The public hearing in respect of the above project was held on 15.09.2021 and issued report for impact on agricultural land, village building, air pollution and accident of animals and human due to blasting and digging of quarries.
18. The updated capital cost and recurring cost (per annum) for the environmental facilities for the project works out to 30.5 lakhs and 8.2 lakh / year respectively. The proposed social development cost in compliance to public hearing is proposed to be 10.0 Lakhs.
19. A comparative feature of both the mines in cluster approach are given below:

Sl. No.	Features	Chandanpur Decorative Stone Mine 9.596 ha	Chandanpur Decorative Stone Mine 3.602 ha
	Grant of lease	The Department of Steel & Mines, Government of Odisha has issued the letter of Intent (LOI) vide Letter No.7100/S&M, Bhubaneswar dated 02.08.2019 in favour of M/s Jay Minerals.	The Department of Steel & Mines, Government of Odisha has issued the letter of Intent (LOI) vide Letter No.6605/S&M, Bhubaneswar dated 06.09.2019 in favour of M/s Jay Minerals.
0	Lease period	30 Years	30 Years

ii)	Mining Plan Approval	Mining Plan was approved by the Director of mines, Bhubaneswar vide letter No. MXXII-(a)/8/2020/5435/DM dated 12.08.2020.	Mining Plan was approved by the Director of mines, Bhubaneswar vide letter No. MXXII-(a)/8/2020/5435/DM dated 12.08.2020.
iii)	Category of the project	B1 (New Mines) > 5 Ha (Taking Both into cluster situation)	
iv)	Cost of the project	200 Lakhs	200 Lakhs
v)	Manpower Requirement	14 Nos	14 Nos.
vi)	Production Capacity	Decorative Stone (Granite Gneiss) Excavation of Decorative stone – 4388 Cum (Max); ROM – 14025 cu.m (Max)	Decorative Stone (Granite Gneiss) Excavation of Decorative stone – 2504Cum (Max) ROM – 8345 cu.m (Max)
vii)	EMP Cost	Capital-30.6 Lakh, Recurring-8.2 Lakh	

20. The Environment consultant M/s Kalyani Laboratories Pvt. Ltd. Plot No. 76/944, Millenium City, Pahala, Bhubaneswar - 752101 along with the proponent has made a presentation on the proposal before the Committee on 31.01.2022.

21. The SEAC recommended the proposal with condition that the EC will be issue after receipt of individual applications from the lessee in cluster along with following documents:

- Filed in form-I of individual lease
- Feasibility report of individual lease
- EMP of individual lease.
- Approved Mining Plan of individual lease
- DLC status of the lease area from concerned DFO as certified by the concerned Tahsildar.
- An undertaking to obtain NOC from CGWA and permission from WR department, Govt. Of Odisha for use of ground water. Accordingly specific condition to be stipulated in EC of individual lease.

In view of the above the proposal may be placed in the SEIAA meeting for consideration.

38.	B1, EC	1(a) Mining of minerals	SIA/ OR/ MIN/ 6985 8/202 0	M/s Jay Minerals; Sri Ajay Agarwal	Proposal of EC of Chandanpur Decorative Stone Mines over an area of 3.602 Ha, Vill- Chandanpur, Tahasil-Lanjigarh, District- Kalahandi, Odisha (Case of Cluster, Cluster area 13.298 Ha)-Final EIA /EMP submitted, ToR issued- 297/SEIAA dated 02.02.2021	04.01. 2022	Under examination of SEIAA after SEA C	This is an online proposal for EC.	<p>This is regarding a new proposal for mining of mineral of Decorative Stone. The project has submitted at SEIAA under Category 'B1' as the lease area is ≥ 5.0 Ha. As per the EIA Notification, 2005, this project falls in the schedule under Sl No-1(a) - "Mining of Mineral" of non-coal mining sector. The project proponent has submitted Proposal of EC of Chandanpur Decorative Stone Mines over an area of 3.602 Ha, Vill- Chandanpur, Tahasil- Lanjigarh, District- Kalahandi, Odisha (Case of Cluster, Cluster area 13.298 Ha)-Final EIA /EMP submitted, ToR issued-297/SEIAA dated 02.02.2021.</p> <p>The following documents have been received Form-1, Form-2, PFR, checklist, EIA and EMP, Mining Plan and approval letter, DSR, D.L.C, Village sheet, Cluster certificate, topomap etc. The following deficiencies/omission have been noticed in the above documents.</p> <ul style="list-style-type: none"> • Nil <p>Distance from nearest sanctuary/ESZ-Ambapari WLS-98.0km Whether the lease area coming in D.L.C. report-No Whether the lease area reflecting in DSR-Yes Road bridge-1.7km, village road-0.5km Method of mining- Semi-Mechanized Whether it is part of cluster - Yes Whether EC obtained earlier-No Production capacity per annum-8346 cum/annum(max.), Geological reserve- 318075 cum, Mineable reserve-249099 cum This is a B1 category project. Whether SEAC recommended the proposal -Yes</p> <p><u>Other points</u></p> <p>22. The project comes under Category B1 (>5.0 Ha <100 Ha) 23. ToR issued for this project on 02.02.2021 and Public Hearing was conducted on 15.09.2021 24. The LOI has been issued vide Letter No.7100/S&M, Bhubaneswar dated 02.08.2019 (9.696 Ha) in favour of M/s Jay Minerals. The lease period will be 30 years. The mining plan has been approved vide letter no. MXXII-(a) 8/2020/5436/DM dated 12.08.2020 25. The cost of the project will be 200 lakhs. Total man power requirement for the cluster will be 14 nos. Production from the mines will be Decorative stone - 4388 Cum (Max); ROM - 14625 cu.m (Max). Average water requirement for mines will be 5 KLD and will be sourced from tanker for domestic purpose and RWH for dust suppression and plantation. 26. The Mining cluster under reference represents an undulating topography comprising of a hill ridge with steep slope. The mine Cluster area of 13.298 Ha is covered in the Survey of India Toposheet No. E44F9 Chandanpur Decorative stone mines of 9.696 Ha is bounded by Latitude- 19°46'46.68"N to 19°46' 59.86"N and Longitude-83°25'47.74"E to 83°26'5.40"E 27. The highest and lowest elevations of the area are 390mRL in the Central part</p>	The PP has submitted individual application. EC be issued with the specific conditions as recommended by SEAC.
-----	--------	-------------------------	----------------------------	------------------------------------	---	-------------	--	------------------------------------	---	--

- and 376mRL in the SW part of the M.L area respectively Overall slope of the area is due north west for both the mines in the cluster
28. The geological and mineable reserve of is 1146995cu.m and 1009000cu.m respectively
 29. A total of 78427 cum (in-situ) waste/rejects is likely to be generated during the plan period from the cluster of two mines.
 30. Mining is essentially proposed by opencast and semi mechanized method with the deployment of machines like L/D bore machine, jack hammer drill, compressor, hydraulic excavators & tippers.
 31. In the present case the SEIAA, Odisha vide Letter No 297/SEIAA, dated 02.02.2021 has finalized the Terms of Reference (ToR) for undertaking detailed EIA study for the purpose of obtaining environment clearance.
 32. The EIA/EMP report is based on the data generated from October 2020 to April 2020 by M/s Kalyani Laboratories Private Limited. The study area is confined to 10 km radius of the ML area.
 33. The mining activity is not likely to intersect ground water as the ground water table occurs at 340mRL in summer season and in Rainy season at 350mRL. The mining will go up to the maximum depth of 376mRL. So, there will be no chance of intersecting the ground water table by the mining activity during the conceptual period also. So, the impact of mining on the ground water is not envisaged.
 34. The mining lease area does not include any forest land. The ML area and the buffer zone is devoid of any endangered flora and fauna species. The existing vegetation within in the ML area includes few shrubs which are sparsely scattered. There is no ecological sensitive areas/ zone located within the 10 Km radius of the proposed cluster.
 35. A total of 78427 cum (in-situ) waste/rejects is likely to be generated during the plan period from the cluster of two mines.
 36. However, about 70% of the generated waste will be utilized for maintenance and construction of the haul road, approach and existing roads in the surrounding areas periodically and also be disposed of as minor mineral other than decorative stone with the permission of the competent authority.
 37. The plantation will be done over an area of 1.295 Ha in the lease boundary and open spaces available. By the end of conceptual period the dumping and stacking area will be covered under plantation.
 38. The public hearing in respect of the above project was held on 15.09.2021 and issued raised for impact on agricultural land, village building, air pollution and accident of animals and human due to blasting and digging of quarries.
 39. The updated capital cost and recurring cost (per annum) for the environmental facilities for the project works out to 30.5 lakhs and 8.2 lakh / year respectively. The proposed social development cost in compliance to public hearing is proposed to be 19.0 Lakhs.
 40. A comparative feature of both the mines in cluster approach are given below:

Sl N o.	Features	Chandanpur Decorative Stone Mine 3.696 ha.	Chandanpur Decorative Stone Mine 3.602 ha.
i)	Grant of lease	The Department of Steel & Mines, Government of Odisha has issued the letter of Intent (LOI) vide Letter No. 7100/S&M, Bhubaneswar dated 02.08.2010 in favour of M/s Jay Minerals	The Department of Steel & Mines, Government of Odisha has issued the letter of Intent (LOI) vide Letter No. 6600/S&M, Bhubaneswar dated 05.08.2010 in favour of M/s Jay Minerals.
ii)	Lease period	30 Years	30 Years
iii)	Mining Plan Approval	Mining Plan was approved by the Director of mines, Bhubaneswar vide letter No. MXXII-(a)/2020/5435/DM dated 12.08.2020	Mining Plan was approved by the Director of mines, Bhubaneswar vide letter No. MXXII-(a)/2020/5435/DM dated 12.08.2020.
iv)	Category of the project	B1 (New Mines) > 5 Ha (Taking both into cluster situation)	
v)	Cost of the project	200 Lakhs	200 Lakhs
vi)	Manpower Requirement	14 Nos.	14 Nos.
vii)	Production Capacity	Decorative Stone (Granite Gneiss) Excavation of Decorative stone – 4388 Cum (Max); ROM – 14525 cu.m (Max)	Decorative Stone (Granite Gneiss) Excavation of Decorative stone – 2504 Cum (Max); ROM – 8348 cu.m (Max)
viii)	EMP Cost	Capital-30.5 Lakh, Recurring-5.2 Lakh	

41. The Environment consultant M/s Kalyani Laboratories Pvt. Ltd. Plot No. 78/944, Millenium City, Pahala, Bhubaneswar - 752101 along with the proponent has made a presentation on the proposal before the Committee on 31.01.2022

									42. The SEAC recommended the proposal with condition that the EC will be issue after receipt of individual applications from the lessee in cluster along with following documents. g) Filled in form-I of individual lease h) Feasibility report of individual lease i) EMP of individual lease. j) Approved Mining Plan of individual lease k) DLC status of the lease area from concerned DEO as certified by the concerned Tahasildar. l) An undertaking to obtain NOC from CGWA and permission from WR department, Govt. Of Odisha for use of ground water. Accordingly specific condition to be stipulated in EC of individual lease. In view of the above the proposal may be placed in the SEIAA meeting for consideration	
39.	B1, EC	Non Coal Mining	3784 2/01-MIN-V/06-2019	M/S Jindal Stainless Limited	Enhancement in the Production Capacity of Chrome Ore From 1.0 LTPA To 2.15 LTPA From Jindal Chromite Mines at Kalapani Village, Sukinda Tehsil, Jajpur District, Odisha	14.06.2019	ADS by SEIAA	The proposal was placed in 60 th SEIAA meeting and it was decided as follows. "We may call for a report on hexavalent chromium pollution in the adjoining water bodies of chromite mine. Examine if the complies	<ol style="list-style-type: none"> 1. This is regarding proposal for EC of Jindal Chromite Mines for enhancement of production capacity of chrome ore from 1.0 MTPA to 0.215 MTPA over an lease area 89 Ha with common boundary forest block 27 located at village- Kalapani, Tahasil-Sukinda, Jajapur. 2. The PP has submitted final EIA & EMP as per ToR, Stage-I, FC for entire lease area 89.0 Ha, lease order, PFR, Damage assessment and remedial plan and other clarifications. 3. The PP had obtained earlier EC from MoEF & CC, Govt. of India vide letter no. J-11015/12/2000-IA- II(M), 13.02.2001 for production of 0.1 MTPA. 4. The PP again applied proposal to MOEF & CC for (i) enhancement of production capacity from 0.1 MTPA to 0.215 MTPA with (ii) enhancement of capacity of Chrome ore beneficiation plant from 35,000 MTPA to 60,000 MTPA and ToR was issued on 22.01.2010 for EIA study and accordingly Public Hearing was conducted on 31.08.2010 5. After Public hearing was completed the PP has dropped the proposal of expansion from 0.1 MTPA to 0.215 MTPA and obtained EC for Chrome Ore Beneficiation Plant only to enhance the production capacity from 35,000 to 60,000 MT per annum on 26.02.2016. 6. Again the PP applied for application for obtaining fresh ToR enhancement of production capacity of chrome ore mines from 1.0 MTPA to 0.215 MTPA at MoEF & CC on 21.07.2016. Based on the presentation by the PP, the EAC committee sought additional information which was presented on 16.12.2016 & 27.04.2017. 7. The EAC recommended the proposal for ToR subject to submission of authenticated past production details to ascertain violation of EIA notification, if any. After details received from the PP, the MoEF & CC observed that the excess production was made from 2002-03 to 2007-08 by the PP what was granted EC capacity of 0.1 MTPA. Based on the facts the MoEF & CC has put the case under violation of EIA Notification. 8. The MoEF & CC directed the regional office, BBSR to submit the Certified Compliance report on dated 13.02.2019 and accordingly certified compliance 	The PP has obtained Stage-I forest clearance for the whole area of forest land in the mining lease. He has paid the compensation assessed amounting to Rs. 77,25,97,589/- on account of excess mining. He has submitted undertaking to pay further Rs. 4,11,25,000/- towards cost of Remediation Plan and Community Resource Augmentation Plan over and above the bank guarantee for Rs. 1,17,56,900/- already submitted

							<p>ation amount is paid and if the lease is subsisting.</p> <p>report was submitted to MoEF & CC and the following points was mentioned in the report as follows:</p> <ul style="list-style-type: none"> i. The mining operation was stopped on Feb, 2018. ii. The drinking water quality are in permissible limit as submitted NABET consultant, Kolkata. iii. Ground water permission obtained fro CGWA for 6 bore well on 2010. iv. Dharmasala Nala at a distance of 2.0km and Other Nala-1.5km away from lease area. v. Reclamation area was 8.24Ha, 5000 nos. of plant species planted for the period 2015-16 to 2016-17. vi. Retaining wall was constructed with capacity-600m toes wall = 1m length*1m width. vii. No water discharge from the plant operation only the process water is recycled/reused within the plant and tailing pond. The surface run-off generated is pumped back to the quarry-I through the surface run-off arrangement. viii. No waste water from beneficiation plant, as total water will be re-used/re-circulated within the plant. Only storm water discharged to nearest Nala. ix. Rain water harvesting pit having capacity-300m length *200m width constructed but not in operation. x. Already provision for ETP of capacity 250 cum/hour for industrial waste water treatment. xi. Wildlife Conservation Plan has been prepared and approved from PDCF Wildlife, Govt. Of Odisha with allocation of Rs. 580.2012 Lakhs. xii. The PA had appointed Executive Environment Officer in the company which is also part of the Environment Management Cell. xiii. Permission obtained from CGWA for withdrawal of ground water. 1785 cum/day. xiv. Green Belt has been developed over an area 18.20Ha for the period 2002-03 to 2016-17 + 35.95 Ha with 74,200 nos. of plant species have been planned. Total nos. of saplings planted 1,13,500 and the survival rate-62% i.e. =70,370 nos. <p>9. As per the violation case, the PP applied to MoEF & CC for issuance of ToR vide proposal no. 1A/OR/MIN/74317/2018 dat. 13.04.2018.</p> <p>10. The MoEF & CC transferred the case vide proposal no. SIA/OR/MIN/28325/2018 to SEIAA, Odisha as per notification dated 14.08.2018 as the lease area is less than 100Ha.</p> <p>11. Forest land 22.80 Ha is already diverted vide letter no. B-68/2000-FC/2327(F), dated 05.07.2001. As per the Hon'ble Supreme Court guideline of 10.03.2015 remaining non-forest area of 66.20 Ha is forest as per Sabik record had obtained stage-I FC clearance recently vide letter no. B-68/2000-FC (Pt.) on dated 29th March 2022.</p> <p>12. The mining lease 89.00Ha of forest land (in village Kufapani and forest block-27) was executed in favour of M/s Jindal Steels Ltd on 04.01.2002 for a period of 20 years w.e.f 04.01.2002 to 03.01.2022. Subsequently name of lessee M/s</p>	<p>towards the cost of implementing this plan, with SPCB. Bank guarantee for this balance amount has to be furnished to SPCB, Odisha by the 30th April 2022. According to SOP dated 07.07.2021, another penalty @1% of project cost and @0.25% of turnover cost is to be paid. The PP may submit penalty amount of Rs.71,97,700/- to SPCB by 30th April 2022. We have already addressed Govt. of Odisha to launch prosecution under section 19 of EP Act, 1986 for violation committed. Detailed EIA report as per TOR issued has been submitted. Public hearing was done in 2010, and is no more necessary at this stage in</p>
--	--	--	--	--	--	--	---	--

							<p>Jindal Strips Ltd. was changed to M/s Jindal Stainless Ltd on 26.12.2007 after obtaining necessary permission from Govt. of Odisha. As per the MM (D & R) Amendment Act 2015 mining lease period is deemed to be extended for 50 years i.e. 04.01.2002 to 03.01.2052.</p> <p>13. It was reported by the PP that there is no court case/litigation pending against the project.</p> <p>14. For the excess production during the period 2002-03 to 2007-08 and as per the judgment of Hon'ble Supreme Court the Director of Mines, Govt. of Odisha has raised demand note of Rs. 77,52,97,589/- vide letter no. 568/Mines dt. 11.04.2018. The PP had paid the said amount vide reference no. CKR3593060 dt. 08.09.2021.</p> <p>15. The lessee filed a revision application in the revision authority Ministry of Mines, New Delhi vide case no. 22/(43)/2018/RC-1.</p> <p>16. The revision Authority considered the case and passed an order 'The Impugned order' be stayed till the next hearing vide order on 10.05.2018.</p> <p>17. The SEAC issued ToRs for EIA study under violation case vide letter no. 1098/SEAC-180, dt. 14.12.2018 and public hearing was exempted by the SEAC as already held the public hearing on 31.08.2010.</p> <p>18. The SEAC recommended the proposal in its meeting held on 12.10.2020 for EC after receipt of Stage-I FC form MoEF & CC with some additional conditions are as follows:</p> <ol style="list-style-type: none"> i. The SEAC recommended for an amount of Rs. 1,17,98,920/- towards remediation Plan and natural and Community Resource Augmentation Plan for excess production. ii. The SEIAA, Odisha may consider to request to the Govt. in F & E Dept, Govt. of Odisha to take legal action against the PP under section 19 of EP Act for violation of EIA Notification. iii. The PP has to abide by the guideline if issued the MoEF & CC in future for assessment of Environmental & Ecological Damage as well as estimation of cost for remediation Plan and natural and Community Resource Augmentation Plan. To this effect, the PP shall submit a legal affidavit. iv. As the demand note of Rs. 77,52,97,589/- raised by the Deputy Director of Mines, Govt. of Odisha which is pending before revision Authority, the PP shall submit an undertaking to this effect in form of a legal affidavit before grant of EC. <p>19. In view of the above the SEIAA issued a letter to PP vide letter no. 0005/SEIAA on dated 04.12.2020 and the PP has submitted clarification are as follows:</p> <ol style="list-style-type: none"> i. Application made for F stage-1 FC for diversion of rest Sabik kissam forest land over an area 66.20Ha and now the stage-1 FC was issued by MoEF & CC on 29. 03.2022. ii. The Director of mines has clarified vide letter 835 dt. 29.01.2022 that the said lease was granted and executed for a period of 20 years w.e.f 04.01.2002 to 03.01.2022. The lessee continued mining operation in the leasehold area having all statutory clearance until 21.02.2018. As directed by the MoEF & CC, Govt. vide their letter dated 21.02.2018, the mining 	<p>view of the OM F. No. 22-28/2020-IA.III dated 12.11.2020 of MoEF&CC. Report has been received from SPCB, Odisha that there is no hexavalent chromium contamination in surface or ground water in the vicinity of this mining area. The issue however remains relevant and preventive and counter measures have to be taken at all times. Director of Mines has reported that the mining lease has not lapsed and is subsisting and is likely to be extended for 50 years ending 30.01.2052. We may accord EC with the following express conditions:</p> <ol style="list-style-type: none"> 1) All leached water from OB dumps shall be taken
--	--	--	--	--	--	--	---	--


								<p>operation was suspended as the lessee has exceeded production beyond the approved limit as specified in the approved EC. The lessee had discontinued the mining operation more than 2 years continuously for which the lessee has applied before the State Govt. to save the lease from lapsing as required under Rules-20 (3) of MC Rules, 2016. Accordingly, Govt. have considered the aforesaid mining lease not to be declared as lapsed. As such, the said lease is subsisting non-working mine. The validity period of the said mining lease may be extended under section 8A (3) of MMDR Amendment Act, 2015. The lessee has requested on dated 10.09.2021 to Govt. in Steel & Mines Dept as well as to this Directorate for consideration of extension of the validity of lease period under MMDR Amendment Act, 2015 for a period of 50 years with effect from the grant of original mining lease, i.e. upto 03.01.2062 which is under consideration.</p> <ul style="list-style-type: none"> iii. The PP has submitted bank guaranty of Rs. 1,17,98,900/- for remedial measure as per SEAC recommendation and submitted additional budget of Rs. 4,11,25,000/- for remedial measures for damage plan due to excess mining and the bank guaranty of the said amount to be submit by the PP. iv. The PP has submitted of Rs. 77,52,97,589/- raised by the Deputy Director of Mines, Govt. of Odisha for excess mining. v. The SPCB has submitted water testing report on Chromium and other heavy metals concentration of Kalapani area, Jajapur and other Chromites mines area of Odisha and the report reveals that the conc. of Chromium are prescribed limit. vi. As per SOP dated 07.07.2021 of MoEF & CC, the penalty provision for violation will be applicable to PP. Therefore a penalty of 1% of the total project cost incurred upto the date of filing of application along with the EIA/EMP report plus 0.25% of the total turnover during violation period amounts to Rs.71.577Lakhs. (Project cost-10.51 crores & turn over for the violation period is 20956.92lakhs). <p>In view of the above the proposal is placed in the SEIAA meeting consideration of EC.</p>	<p>into settling tanks. More than one such tank may be needed to be constructed to collect all such water. The water after settling has to be pumped to ETP of adequate capacity i.e. 250 KLD; and water allowed to be discharged to surrounding areas (approved drain) shall conform to acceptable standards of BOD, E-Coll, Cr⁶⁺ conc. etc. There shall be monitoring station for continuous measurement of discharge water quality at the site.</p> <p>2) Air quality of mining area shall be maintained at all times, and monitoring station shall be set up for the purpose to keep the SPM2.5 and SPM10 levels in check at acceptable</p>
--	--	--	--	--	--	--	--	---	--


water recharge
by having
adequate no. of
rain water
harvesting pits.

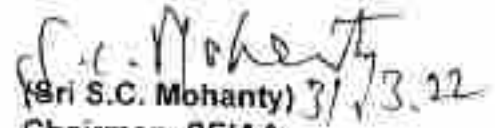
5) Storm
water and
leached water for
treatment shall
be led in
separate pipes.

6) A new
membrane based
technology
evolved by NIT,
Rourkela shall be
adopted to
prevent build up
of hexavalent
chromium
contamination of
surface water
and ground water
of surrounding
areas; and for
removal of the
said
contaminants etc.
from tailing pond
etc.

The Meeting ended with a vote of thanks to the Chairman.


(Dr. K. Murugesan)
Member Secretary, SEIAA


(Dr. S. P. Das)
Member, SEIAA


(Sri S.C. Mohanty)
Chairman, SEIAA