

Minutes of 161st Meeting of SEIAA, Odisha held on 20.03.2024 & 21.03.2024

PARIVESH I.O, AGENDA No.161.01	
Proposal No.	SIAA/OR/IND1/449057/2023
Date of application	08.11.2023
File no.	449057/50-IND1/11-2023
Project Type	ToR proposal
Category	B1
Project/Activity including Schedule No.	2(b) Mineral beneficiation
Name of the Project	Proposal for ToR for Beneficiation plant of capacity 9,60,000 TPA located Village Dubuna, Barbi, Dist- Keonjhar, State- Odisha for M/s High Grade Mineral Private Limited (HGMPL)
Name of the company/Organization	Ganesh Kumar Sharma, Director
Location of Project	Village Dubuna, Barbil, Dist- Keonjhar, State-Odisha
ToR Date	N/A
Name of the Consultant	M/s. Centre for Envotech & Management Consultancy Pvt. Ltd., Bhubaneswar

Proposal in brief: The highlights of the proposal as ascertained from the application and as revealed from proceedings/discussion held during the meeting of SEAC/SEIAA, are given as under:

- The proposal was considered by the committee to determine the "Terms of Reference (ToR)" for undertaking detailed EIA study for the purpose of obtaining environmental clearance in accordance with the provisions of the EIA Notification, 2006 and amendment thereafter.
- This proposal is for Terms of Reference of M/s. High Grade Mineral Private Limited (HGMPL) for Iron Ore Beneficiation plant of capacity 9,60,000 TPA over an area of 6.97 Acre located Village Dubuna, Barbil, Dist- Keonjhar of Sri Ganesh Kumar Sharma.
- Category:** This project falls under Category "B" under 2(b): Mineral Beneficiation as per EIA Notification dated 14th Sept, 2006 and its amendments.
- Location and connectivity:** M/s High Grade Mineral Pvt. Ltd. has planned to set up an Iron Ore Beneficiation Plant of capacity 960000 TPA at village-Dubuna, Tehsil- Barbil, Dist- Keonjhar, Odisha. The geographical co-ordinates of the proposed site is Latitude: 21°51'02.9" N Longitude: 85°24'17.3" E. The project falls under Survey of India bearing Topo sheet no. 33G/5. The Plant site is connected to Joda-Banebari-Palaspora road by a haul road and this road connected to NH-520 at a distance of 25 km. Nearest Railway siding is Nayagarh Railway siding at 5 km in East direction, nearest Airport is Biju Patnaik International Airport (264 km), District Headquarter: Keonjhar - 39km, nearest port is Paradeep port about 280 km from the project site. The nearest water bodies are Baitarani River - 4 km (E), Handibhanga Waterfall - 4 km (W), Kajoda Waterfall - 9 km (SW), Jagadala Reservoir - 8 km (SE), Balipada Nala - 4.5 km (E), Suna Nala - 8 km (W), Jalpa Nadi- 2 km (E).
- Kisam of land-** 6.97 Acre belongs to High Grade Mineral Private Limited, however during the verification of records, it was found that Hal ROR no, 82/95, 82/96 & 5 belongs to Jungle Kissam, which is under subjudice at the court of Additional Commissioner (Consolidation & settlement), Keonjhar vide letter No. 495 /Court dated 17.11.2023,
- Material Balance:**

Material	Fe (%)	Yield (%)	Annual Qty(MT)
Raw Ore	54.5	100	9,60,000
Jig Beneficiated Coarse Ore (+) 4 mm to (-) 18mm	62	45.7	4,38,730

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Fig Discard (+) 4 mm to (-) 18mm	40	11.8	1,13,280
Concentrated of fines beneficiation circuit (-) 75 microns	62	13.72	1,31,712
Tailings from fines circuit (-) 75 microns	45	28.78	2,76,288

7. **Water requirement:** The total water requirement for the proposed project will be 31.5 m³/hr and make up water requirement for process will be 504 KLD which will be drawn from ground water source.
8. **Wastewater details:** Water will be kept in closed circuit and recycled. The water utilized in the process will be recycled resulting in zero discharge of waste water. The tailing pond of adequate capacity will be constructed with suitable impervious lining to prevent percolation into ground water.
9. **Power Requirement details:** The total power requirement for plant operation will be about 3.5 MW. The power supply will be sourced from IPNODM. There is provision of DG-set of capacity 250 KVA for power back up.
10. **Solid waste generation:** The major solid waste is the tailings & discards generated from the beneficiation process. The quantity of tailings to be 2,76,288 TPA and discards of quantity 1,13,280 TPA totalling to 3,89,568 TPA.
11. **Mitigation of solid waste produced:** From the quality of the iron ore available in the region and based on the recovery pattern of similar plants working in the area, it is expected to recover 70-75% of the feed material, as concentrate. The balance 25-30% will be disposed off in the form of tailings with filtration. It is proposed to utilize these tailings for brick manufacture, at a later stage of the project. Also, it is proposed to sell these to nearby cement plants, in the region. However, a space provision has been made in the plant layout to store the tailings in the designate tailing ponds, within the plant area. In dewatering, the water recovered is around 72%.
12. **Greenbelt Development:** A greenbelt development plan will be prepared and implemented along with the project. Total green belt area shall be 0.94 Ha. The green belt will be developed @2500 trees per hectare. Greenbelt/plantation program will be undertaken in around the project.
13. **Total Employment:** The project generates employment opportunities for 60 personnel during the construction phase. During its operation phase 48 personnel will be engaged directly and 100 personnel will have indirect employment.
14. **Project Cost:** The project cost of the proposed project is 46 Crores.
15. **Environment Consultant:** The Environment consultant **M/s. Centre for Envotech & Management Consultancy Pvt. Ltd., Bhubaneswar** along with the proponent made a presentation on the proposal before the Committee.
2. **Whether SEAC recommended the proposal –** The proposal was placed in SEAC meeting held on 01.01.2023 and the SEAC prescribed the ToR for conducting detailed EIA study with following specific ToRs.
 - (i) Permission from CGWA and Water Resource Department for usage of surface water/ground water.
 - (ii) Submit the Wildlife Conservation plan with distance from the nearby Reserve Forest.
 - (iii) Submit material balance with by-products generated from the process in a flow-chart.
 - (iv) Submit chemical & mineralogical analysis of the raw mineral ore, fine ore & products from a NABL accredited lab.
 - (v) Submit in tabular form for raw material procurement. Submit supporting documents like Memorandum of Agreement (MoU) with the Raw material suppliers atleast 4 sources, distance of these suppliers from the proposed project and transportation route to be followed to reach the plant.
 - (vi) Submit the detailed layout of the parking plaza.
 - (vii) The proponent shall provide facility for blending of raw material and raw material storage.
 - (viii) Chemical composition of the tailings along with percentage of recovery.
 - (ix) The groundwater quality should be assessed for leachate control from the raw material stockyard.

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- (x) Details of tailing process to be followed and its management.
 - (xi) Submit documents regarding land settlement and conversion of Kisan of land to appropriate category for Industrial use.
 - (xii) Submit a detailed land use break-up.
 - (xiii) Complete usage of tailings should be provided in EIA.
 - (xiv) Material balance with the process flow sheet for Iron ore processing should be supported by tests carried out by reputed Lab/Institute.
 - (xv) Details of Chemical & Mineralogical analysis of the ROM feed, Products & Tailings should be submitted.
 - (xvi) The project proponent shall keep provision of solar power generation.
3. The proposal was placed in 150th SEIAA meeting held on 02.01.2024. The Authority observed that the project involves Jungle Kissan of land for which approval under FC Act is required. The PP is required to submit proof of applying the stage-1 FC for consideration of ToR proposal. Secondly, the detailed land schedule of the project area should be jointly signed by Tahasildar & DFO. Accordingly, ADS letter issued by SEIAA to PP on 08.01.2024.
4. The PP has submitted clarification sought by SEIAA, Odisha and accordingly, the proposal was placed in the 157th SEIAA, Odisha meeting held on 22.02.2024. The Authority observed that the PP has not submitted documents sought by SEIAA, Odisha regarding detailed land schedule of the project area jointly signed by concerned DFO & Tahasildar and proof of applying the stage-1 for the forest land if any. After detailed deliberation, the Authority decided that the PP is required to submit the documents as sought by SEIAA, Odisha. Failing which, the ToR proposal shall be rejected. Against ADS letter issued to PP on 28.02.2024.
5. Now, the PP has submitted reply of our ADS letter and submitted land schedule jointly signed by both DFO, Keonjhar and concerned Tahasildar. The PP also mentioned that the said land is not coming under DLC as it is already issued in favour of plant owner.

Decision of Authority: Approved

After detailed deliberation in the matter, the authority decided to issue ToR (both standard and specific conditions) for EIA studies along with Public Hearing.


Member Secretary, SAIA

APPROVED BY

Member, SAIA


31.03.24
Chairman, SAIA

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PARIVESH I.O, AGENDA No.161.03	
Proposal No.	SLA/OR/MIN/292146/2022
Date of application	04.03.2024
State file no.	252072/227-MINB2/02-2022
Project Type	Transfer of EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for transfer of EC of Pinguli-Patharachatia Jambhira River Sand Bed over an area of 12.35 acres or 5.00 hectares in village Pinguli & Patharachatia under Rasgobindpur Tahasil in Mayurbhanj District, Odisha.
Name of the company/Organization	Sri Bikram Keshari Behera
Location of Project	Pinguli & Patharachatia under Rasgobindpur Tahasil in Mayurbhanj District, Odisha.

Proposal in brief:

The highlights of the proposal as ascertained from the application and as revealed from proceedings/discussion held during the meeting of SEIAA, are given as under.

- (i) This is a proposal Transfer of EC of Pinguli-Patharachatia Jambhira River Sand Bed over an area of 12.35 acres or 5.00 hectares in village Pinguli & Patharachatia under Rasgobindpur Tahasil in Mayurbhanj District, Odisha.
- (ii) Documents submitted: Application in Form-7, earlier EC copy, forwarding letter, Status of quarry and scrutiny of Rs. 2000/- vide e-Challan Ref. No. 3370300274 dated 29.09.2022
- (iii) The EC of Pinguli-Patharachatia Jambhira River Sand Bed over an area of 12.35 acres or 5.00 hectares in village Pinguli & Patharachatia under Rasgobindpur Tahasil in Mayurbhanj District, Odisha, was in favour of Tahasildar, Rasgobindpur vide SEIAA letter no./Identification No. EC228001OR158964 dt. 01.02.2022.
- (iv) Present status of quarry- non-working
- (v) Whether submitted KML file-Yes
- (vi) The project proponent applied proposal for transfer of EC from the name Tahasildar, Rasgobindpur to Sri Bikram Keshari Behera, (highest bidder/lessee) with attaching Tahasildar forwarding letter vide letter no. 3633 dated 13.09.2022

Whether SEAC recommended the proposal N/A

Decision of Authority: Approved

After detailed deliberation, the Authority allowed the transfer of EC in favour of successful bidder/lessee for Pinguli-Patharachatia Jambhira River Sand Bed. The new lessee shall comply EC conditions issued earlier vide letter no. EC228001OR158964 dt. 01.02.2022 with the following additional conditions within 6(six) months:

- a) Boundary Demarcation: - The boundary of the lease area shall be demarcated on ground at the project cost, by erecting 1.20 meter (4 feet approx.) high reinforced concrete pillars above ground, each inscribed with its serial number, distance from pillar to pillar and GPS co-ordinates by any empanelled agency of ORSAC.
- b) Digital Map: -A digital map (in KML format as well as PDF version) showing GPS coordinates of all boundary pillars duly countersigned by the concerned lease granting Authority Tahasildar/Mining Officer shall be submitted to SEIAA, Odisha through email at info.seiaaodisha@gmail.com.

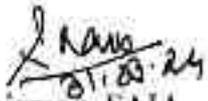
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- c) Intimation of EC: -The copies of the EC shall be sent to the Sarpanch (s) of the concerned Gram Panchayat (s), Urban Local Bodies and relevant other Offices of the Government with a request to display the same for 30 days from the date of receipt.
- d) Tree Plantation: -Compensatory Tree Planting (CTP) shall be carried out with minimum @100 trees per Ha. of lease area as per the approved cost norm for avenue plantations of the State Forest Department. The Project Proponent (lease holder) shall deposit Rs.2,50,000/- with the respective District Environment Society for raising 500 plants of native species within 2 years in a suitable location adjoining to quarry.
- e) State EMF Fund: - An amount equal to five percent (5%) of the royalty payable shall be collected from the lessee by the lease granting authority Tahasildar/Mining Officer and deposited to the State Environment Management Fund, which will be utilized as per provisions of Rule 49(3) of the OMMC Rule, 2016 preferably, in and around the areas where mining activities are undertaken.

APPROVED BY


Member Secretary, SAIA


Member, SAIA


Chairman, SAIA

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PARIVESH 2.0, AGENDA No.161.04	
Proposal No.	SIA/OR/MIN/463394/2024
Date of application	19.02.2024
State file no.	252072/227-MINB2/02-2022
Project Type	Transfer of EC
Category	B2
Project/Activity including Schedule No. Name of the Project	1(a) Mining of minerals Proposal for transfer of EC of Karuanjhar Stone Quarry-I over an Area of 5.20 Acres or 2.10 Hectares in Village Karuanjhar under Khaprakhol Tahasil in Balangir District
Name of the company/Organization	Sri Ajit Kumar Sahoo
Location of Project	Village Karuanjhar under Khaprakhol Tahasil in Balangir District

Proposal in brief:

The highlights of the proposal as ascertained from the application and as revealed from proceedings/discussion held during the meeting of SEIAA, are given as under.

- (vii) This is a proposal Transfer of EC of Karuanjhar Stone Quarry-I over an Area of 5.20 Acres or 2.10 Hectares in Village Karuanjhar under Khaprakhol Tahasil in Balangir District.
- (viii) Documents submitted: Application in Form-7, earlier EC copy, forwarding letter, Status of quarry and scrutiny of Rs. 1000/- vide e-Challan Ref. No. 35D4EAFE55 dated 05.12.2023
- (ix) The EC of Karuanjhar Stone Quarry-I over an Area of 5.20 Acres or 2.10 Hectares in Village Karuanjhar under Khaprakhol Tahasil in Balangir District was in favour of Tahasildar, Khaprakhol vide SEIAA letter no./Identification No. EC22B001OR197470 dt. 17.03.2022.
- (x) Present status of quarry - **working**
- (xi) Whether submitted KMI. file-Yes
- (xii) The project proponent applied proposal for transfer of EC from the name Tahasildar, Khaprakhol to Sri Ajit Kumar Sahoo, (highest bidder/lessee) with attaching Tahasildar forwarding letter vide letter no. 2234 dated 02.12.2023
- (xiii) Any deficiencies/omission have been noticed in the above documents- The PP has not submitted Form-F applicable for successful bidder. The Tahasildar requested for Temporary permit of the quarry.
- (xiv) The proposal was placed in 158th SEIAA meeting held on 01.03.2024 & 02.03.2024 and after detailed deliberation in the matter, the Authority decided that the concerned Tahasildar, Khaprakhol is required to submit the following documents:
 - a) Tahasildar to clarify whether the transfer of EC is required in the name of Sri Durga Condev, Pvt. Ltd., Cuttack or Sri Ajit Kumar Sahoo.
 - b) Since, there is no provision of transfer of EC for temporary lease period under EIA Notification 2006, Tahasildar, Khaprakhol should clearly recommend the transfer of EC for the remaining period of validity of EC issued vide letter no. EC22B001OR197470 dt. 17.03.2022.
- (xv) The Tahasildar, Khaprakhol vide his letter no. 404 dt. 12.03.2024 submitted clarification with mentioned that the EC is need to be in favour of M/s. Sri Durga Condev, Pvt. Ltd. not in favor of Sri Ajit Kumar Sahoo who is the power of Attorney for the remaining period of the lease.

Whether SEAC recommended the proposal – N/A

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Decision of Authority: Approved

After detailed deliberation, the Authority **allowed the transfer of EC** in favour of successful bidder/lessee for Karuanjhar Stone Quarry-1. The new lessee shall comply EC conditions issued earlier vide letter no. EC22B001OR197470 dt. 17.03.2022 with the following additional conditions within 6(six) months:

- a) **Boundary Demarcation:** - The boundary of the lease area shall be demarcated on ground at the project cost, by erecting 1.20 meter (4 feet approx.) high reinforced concrete pillars above ground, each inscribed with its serial number, distance from pillar to pillar and GPS co-ordinates by any empanelled agency of ORSAC.
- b) **Digital Map:** -A digital map (in KML format as well as PDF version) showing GPS coordinates of all boundary pillars duly countersigned by the concerned lease granting Authority Tahasildar/Mining Officer shall be submitted to SEIAA, Odisha through email at info.seiaaodisha@gmail.com.
- c) **Intimation of EC:** -The copies of the EC shall be sent to the Sarpanch (s) of the concerned Gram Panchayat (s), Urban Local Bodies and relevant other Offices of the Government with a request to display the same for 30 days from the date of receipt.
- d) **Tree Plantation:-Compensatory Tree Planting (CTP)** shall be carried out with minimum @100 trees per Ha. of lease area as per the approved cost norm for avenue plantations of the State Forest Department. The Project Proponent (lease holder) shall deposit Rs.1,50,000/- with the respective District Environment Society for raising 300 plants of native species within 2 years in a suitable location adjoining to quarry.
- e) **State EMF Fund:** - An amount equal to five percent (5%) of the royalty payable shall be collected from the lessee by the lease granting authority Tahasildar/Mining Officer and deposited to the State Environment Management Fund, which will be utilized as per provisions of Rule 49(3) of the OMMC Rule, 2016 preferably, in and around the areas where mining activities are undertaken.


Member Secretary, SAIA

APPROVED BY


Member, SAIA


31/03-24
Chairman, SAIA

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PARIYESH 2.0, AGENDA No.161.05	
Proposal No.	SLA/OR/MIN/455495/2023
Date of application	14.12.2023
File no.	455495/19-MINB2/12-2023
Project Type	New EC proposal
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for EC of Siarbahal Stone Quarry over an area 12 acres or 4.856 hectare in village Siarbahal of Koira Tahasil, Dist- Sundargarh
Name of the company/Organization	Shri Jyotini Kumar Sahoo
Location of Project	village Siarbahal of Koira Tahasil, Dist- Sundargarh
ToR Date	N/A
Name of the Consultant	N/A

I. Proposal in brief: The highlights of the proposal as ascertained from the application and as revealed from proceedings/discussion held during the meeting of SIAC/SEIAA, are given as under.

- i) This is a proposal for mining of stone from Siarbahal Stone Quarry over an area 12 acres or 4.856 hectare in village Siarbahal of Koira Tahasil, Dist- Sundargarh.
- ii) The mining area is a part of Survey of India Toposheet No. F45H4 and is bounded between the Latitude - 22°01'06.77"N to 22°01'13.18"N and longitudes of 85°01'03.21"E; to 85°01'20.48"E.
- iii) The mining lease is an identified sairat source in the DSR. The Siarbahal Stone Quarry sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Koira to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- iv) Documents submitted: -Form-I, PFR, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, topo map etc.
- v) Whether submitted KML file of the lease area-Yes
- vi) Whether submitted scrutiny fee-Yes of Rs. 1000/- vide e Challan Reference Id no. 35C38282DA dt. 28.12.2023
- vii) Distance from nearest sanctuary/T/SZ- Ushakothi: WT.S-95.0 Km
- viii) Whether the lease area coming in DLC report-No as certified by Tahasildar, Koira on dt. 13.09.2023
- ix) Whether the lease area reflecting in DSR-Yes
- x) Method of mining-semi-mechanized
- xi) Distance from nearest road bridge-1.3 km, village road -0.50 km, canal-0.30 Km
- xii) Whether it is part of cluster –Yes, total lease area under cluster is 55.79 Ha for which already cluster EIA & EMP approved by SEIAA vide letter no. 2327/SEIAA dt. 31.08.2021
- xiii) Whether EC obtained earlier-Yes, EC granted earlier by DEIAA, Sundargarh vide letter no. 112 dt. 23.02.2017. The PP has submitted EC compliance which is not satisfactory.
- xiv) Date of approval of mining plan- the Joint Director of Geology, Zonal Survey, Sambalpur vide letter no. 624 dt. 17.08.2023
- xv) Production capacity per annum-21054 cum/annum (max.), total production in 5 years period-100007 cum, Geological reserve-470263 cum and Mineable reserve-323152 cum
- xvi) Whether the DSR has been prepared as per the MoIT & CC, Govt. of India Notification S.O. 3611(F) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020- No
- xvii) The EMP budget provision of Rs. 1.40 Lakh/annum

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xviii) Any deficiencies/omission have been noticed in the above documents- Nil

2. **Whether SEAC recommended the proposal** – The proposal was placed in SEAC meeting held on 28th, 29th & 30th December 2023 and the SEAC recommended granting EC valid from the date of EC accorded up to the lease period with following additional conditions:
- Consent / NoC shall be obtained
 - from the concerned authority if village road is to be used for transportation.
 - The said road shall also be maintained by the lessee.
 - In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured
 - Plantation programme to be completed within first two years and to be maintained in remaining years.
 - Depth of Mining as proposed should not be beyond 6m from the ground level.
 - Mitigation measures for flying Rock for safety be put in place.
 - Stone quarry project proponent need to maintain periodic health check-up records of their employees and ensure use of face mask by workers in crushing and handling sections of the stone quarry for ensuring that working personnel are not affected by silicosis.
 - The boundary area of the deposit as per the revised / updated DSR to be defined by geo coordinates based on DGPS survey superimposed on the cadastral map.
 - Construction of garland drains retaining wall and settling tank should be ensured to prevent erosion during rainfall and to collect silt generated during the mining activity.
3. The proposal was placed in 157th SEIAA meeting held on 22.02.2024. The Authority observed that the EMP budget of Rs. 1.40 Lakh per annum is not adequate to address the environmental issues. After detailed deliberation, the Authority decided that the PP is required to submit the revised EMP to SEIAA, Odisha for consideration of EC proposal.
4. Now, the PP has submitted revised EMP with budget provision of Rs. 3.0 Lakh/annum.

Decision Of Authority: Approved

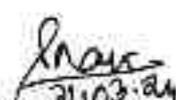
After detailed deliberations, the Authority decided to grant **Environmental Clearance** with usual stipulated conditions as applicable for stone quarry.

- Maximum depth of mining 6.0 meter from the surface level and maximum quantity of extraction shall be limited to **21054 cum in 1st year and 21054 cum in 2nd year.**
- The EC is valid till validity of DSR or validity of lease period whichever is earlier.
- The Grant of EC for further period will be considered after submission of approved DSR by SEIAA as per the MoEF & CC, Govt. of India Notification S.O. 3611(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining 2020 and also as per the Hon'ble Supreme Court order vide its order dated 10.11.2021 in Civil Appeal Nos. 3661-3662 of 2020 (State of Bihar Vrs. Pawan Kumar and Others).
- The Project Proponent (lease holder) shall deposit Rs.2,50,000/-, with the respective District Environment Society for raising 500 plants (minimum @100 trees per Ha) of native species within 2 years in a suitable location adjoining to quarry.
- The PP will implement the EMP with a budgetary allocation of Rs. 3.0 Lakh/annum.

APPROVED BY


Member Secretary, SAIA


Member, SAIA


Chairman, SAIA

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PARIVESH 2.0, AGENDA No.161.06	
Proposal No.	SI/OR/MIN/457948/2024
Date of application	10.01.2024
File no.	457948/18-MINB2/12-2023
Project Type	New EC proposal
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for EC of Karle Stone Quarry over an area of 2.88 acres or 1.165 ha in village Karle under Bijepur Tahasil of Bargarh district of Odisha
Name of the company/Organization	Sri Seshadev Meher
Location of Project	village Karle under Bijepur Tahasil of Bargarh district of Odisha
ToR Date	NA
Name of the Consultant	NA

1. **Proposal in brief:** The highlights of the proposal as ascertained from the application and as revealed from proceedings/discussion held during the meeting of SEAC/SEIAA, are given as under.

- i) This is a proposal for mining of stone from Karle Stone Quarry over an area of 2.88 acres or 1.165 ha in village Karle under Bijepur Tahasil of Bargarh district of Odisha.
- ii) The mining area is a part of Survey of India Toposheet No F44R8 and is bounded between the Latitude - 21°09'12.88"N to 21°09'19.44"N and longitudes of 83°27'14.36"E to 83°27'18.89"E.
- iii) The mining lease is an identified sairat source in the DSR. The Karle Stone Quarry sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Bijepur to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- iv) Documents submitted: -Form-1, PFR, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, topo map etc.
- v) Whether submitted KML file of the lease area-Yes
- vi) Whether submitted scrutiny fee-Yes, of Rs. 1000/- vide a Challan Reference Id no. 351050A2696 dt. 07.12.2023
- vii) Distance from nearest sanctuary/PSZ- Debrigarh WLS-40.0 Km
- viii) Whether the lease area coming in DLC report-N/A.
- ix) Whether the lease area reflecting in DSR-Yes
- x) Method of mining-Semi-mechanized
- xi) Distance from nearest road bridge-5.7 km, village road -0.80 km
- xii) Whether it is part of cluster -No
- xiii) Whether EC obtained earlier-Yes vide letter no. 10218/SEIAA dt. 17.12.2020 with maximum production quantity 713 cum/annum and total production in 5 years 3563 cum and submitted EC compliance the the PP has operated the quarry 1st and 2nd year also submitted the amount of Rs. 1.0 Lakh to District Environment Society for raising 100 no. of tree species.
- xiv) Date of approval of mining plan- the Joint Director of Geology, Zonal Survey, sambalpur vide letter no. 196 dt. 01.03.2023.
- xv) Production capacity per annum-5027 cum/annum (max.), total production in 5 years period-15081 cum, Geological reserve-33105 cum and Mineable reserve-23051 cum
- xvi) Whether the DSR has been prepared as per the MoEF& CC, Govt. of India Notification S.O. 3613(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020- No

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- xvii) The Tahasildar has mentioned that he has made an agreement for providing stone to M/s. nanda Infra Construction Pvt. Ltd. Which is already working upon expand of roadside of bargath (Ekmbra Chowk) to Palhandi (Bijepur) road. Hence, proposal for increasing production capacity from 713 cum/annum to 5027 cum/annum and accordingly, mining plan modified.
- xviii) The EMP budget provision of Rs. 1.30 Lakh/annum
- xix) PP has submitted transfer of EC compliance and also deposited amount of Rs. 1.0 Lakh to concerned District Environment Society for tree plantation as per the transfer of EC conditions.
- xx) Any deficiencies/omission have been noticed in the above documents- Nil

2. **Whether SEAC recommended the proposal** – The proposal was placed in SEAC meeting held on 29th & 30th January 2024 and the SEAC decided to recommend the proposal for EC for remaining lease period with the enhanced production as per the Modified Mining Plan with following additional specific conditions.

- a) SOP need to be followed while dealing with blasting operation.
- b) Proper settling tank, garland drain should be made to manage dust produced during mining and to control rain water.

3. The proposal was placed 157th SEIAA meeting held on 22.02.2024. The Authority observed that the PP has obtained EC from SEIAA, Odisha vide letter no. 10218/SEIAA dt. 17.12.2020 for annual extraction of 713 cum of stone and quarry was operated for last two years. Now, the PP has proposed to enhance the production capacity from 713 cum/annum to 5027 cum/annum for remaining three (03) years of lease period and modified the mining plan accordingly. After detailed deliberation in the matter, the Authority decided that the PP is required to submit the earlier EC copy and the reason of applying fresh EC application instead of Expansion of EC proposal and accordingly, ADS raised by SEIAA, Odisha on 29.02.2024.

4. Now, the PP submitted clarification with mentioned that as the annual production increases more than 50 % i.e. from 713 cum/annum to 5027 cum/annum for remaining 3 years of lease period accordingly, modified the mining plan. The PP also submitted earlier EC copy and also transfer of EC copy.

Decision of Authority: Approved

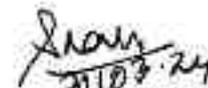
After detailed deliberations, the Authority decided to grant **Environmental Clearance** with usual stipulated conditions as applicable for stone quarry.

- Maximum depth of mining 6.0 meter from the surface level and maximum quantity of extraction shall be limited to 5027 cum in 3rd year and 5027 cum in 4th year.
- The EC is valid till validity of DSR or validity of lease period whichever is earlier.
- The Grant of EC for further period will be considered after submission of approved DSR by SEIAA as per the MoEF & CC, Govt. of India Notification S.O. 3611(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020 and also as per the Hon'ble Supreme Court order vide its order dated 10.11.2021 in Civil Appeal Nos. 3661-3662 of 2020 (State of Bihar Vrs. Pawan Kumar and Others).
- The PP will implement the EMP with a budgetary allocation of Rs. 1.30 Lakh/annum.

APPROVED BY


Member Secretary, SAIA


Member, SAIA


Chairman, SAIA

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PARIVESH 2.0, AGENDA No.161.07	
Proposal No.	SLA/OR/MIN/454515/2023
Date of application	06.12.2023
File no.	454515/06-MINB2/12-2023
Project Type	New EC proposal
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for EC mining of sand from Rungunia Zeera River Sand Bed over an area of 12.20 Acres or 4.937 Ha having Khata No. 601, Plot No. 898(P) in village Rungunia under Bargarh Tahasil of Bargarh District, Odisha.
Name of the company/Organization	Sri Roshan Pradhan
Location of Project	village Rungunia under Bargarh Tahasil of Bargarh District, Odisha.
ToR Date	N/A
Name of the Consultant	N/A

I. Proposal in brief: The highlights of the proposal as ascertained from the application and as revealed from proceedings/discussion held during the meeting of SEAC/SEIAA, are given as under.

- i) This is a proposal for mining of sand from Rungunia Zeera River Sand Bed over an area of 12.20 Acres or 4.937 Ha having Khata No. 601, Plot No. 898(P) in village Rungunia under Bargarh Tahasil of Bargarh District, Odisha.
- ii) The mining area is a part of Survey of India Toposheet No. F44R11 and is bounded between the Latitude - 21°17'24.76"N to 21°17'35.19"N and longitudes of 83°37'33.85"E to 83°37'46.06"E.
- iii) The mining lease is an identified sariat source in the DSR. The Rungunia Zeera River Sand Bed sariat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Bargarh to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- iv) Documents submitted: -Form-I, PFR, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from tahasildar/Mining Officer, topo map etc.
- v) Whether submitted KML file of the lease area-Yes
- vi) Whether submitted scrutiny fee-Yes of Rs. 2000/- vide e Challan Reference Id no. 35D4EACARF dt. 06.12.2023
- vii) Distance from nearest sanctuary/ESZ- Dehriagarh WT.S-28.0 Km
- viii) Whether the lease area coming in DLC report-No, NA
- ix) Whether the lease area reflecting in DSR-Yes
- x) Method of mining-Manual
- xi) River-Zeera, Depth of sand deposition-0.5 meter
- xii) Distance from nearest road bridge 0.6 km, village road -0.70 km
- xiii) Whether it is part of cluster - No
- xiv) Whether EC obtained earlier-No, but in KML file it reveals that quarry operated earlier.
- xv) Date of approval of mining plan- the Joint Director of Geology, Zonal Survey, Sambalpur vide letter no.1808 dt.05.11.2020.
- xvi) Production capacity per annum-3000 cum/annum (max.), total production in 5 years period- 15000 cum, Geological reserve-70011 cum and Mineable reserve-17519 cum
- xvii) Whether the DSR has been prepared as per the MoEF& CC, Govt. of India Notification S.O. 3611(II) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020- No

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xviii) The EMP budget provision Nil

xix) Any deficiencies/omission have been noticed in the above documents- **Not submitted EMP report.**

2. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 30.01.2024 and the SEAC **recommended** to grant EC valid from the date of EC accorded upto the lease period with specific conditions stipulated for sand mine with following additional conditions:
- In checklist the distance of river embankment is mentioned 0.6km whereas in kml file it shows the lease area falls on river embankment. The project proponent should properly maintain the safety zone from river embankment as per Sand Sustainable Guidelines,2020.
 - Consent / NoC shall be obtained from the concerned authority if village road is to be used for transportation. The said road shall also be maintained by the lessee.
 - In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured.
 - The boundary area of the deposit as per the updated DSR defined by geo-coordinates based on DGPS survey be superimposed on the cadastral map.
 - Plantation programme to be completed within first two years and to be maintained in remaining years.
 - The Project proponent shall follow Sustainable Sand Mining Guidelines, 2020.
 - The proponent shall provide Bio- toilet for the workers.
 - Project Proponent shall not disturb the water course during mining.
3. The proposal was placed in the 159th SEIAA meeting held on 04.03.2024 & 06.03.2024 after detailed deliberation in the matter, the Authority decided that the PP is required to submit Environmental Management Plan (EMP) for this project accordingly, ADS raised by SEIAA, Odisha on 13.03.2024.
4. Now, the PP has submitted EMP report with budgetary provision of Rs. 1.45 Lakh (Capital-cost) & Rs. 0.75 Lakh (Recurring Cost).

Decision Of Authority: Approved

After detailed deliberations, the Authority decided to **grant Environmental Clearance** with usual stipulated conditions as applicable for sand quarry.

- Maximum depth of mining 0.5 meter and maximum quantity of extraction shall be limited to **3000 cum** in 1st year from the date of issue of EC and **750 cum** in 2nd year (i.e. 25% of the 1st year allowed production quantity if ARRS report is not submitted after one year).
- The validity of EC is for 1st year and 2nd year or validity of DSR or validity of lease period whichever is earlier.
- The PP shall carryout the ARRS study by March, 2025 through an NABET or ORSAC empanelled agency.
- The Grant of EC for further period will be considered after submission of approved DSR by SEIAA as per the MoEF& CC, Govt. of India Notification S.O. 3611(I) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020 and also as per the Hon'ble Supreme Court order vide its order dated 10.11.2021 in Civil Appeal Nos. 3661-3662 of 2020 (State of Bihar Vrs. Pawan Kumar and Others).
- The Project Proponent (lease holder) shall deposit Rs.2,50,000/-, with the respective District Environment Society for raising 500 plants (minimum @100 trees per Ha) of native species within 2 years in a suitable location adjoining to quarry.
- The PP will implement the EMP with a budgetary allocation of Rs. 1.45 Lakh (Capital cost) & Rs. 0.75 Lakh (Recurring Cost).

APPROVED BY

Member Secretary, SAIA

Member, SAIA

Chairman, SAIA

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PARIVESH 2.0, AGENDA No.161.08	
Proposal No.	SLA/OR/MIN/455631/2023
Date of application	15.12.2023
File no.	455631/10-MINB2/12-2023
Project type	New EC proposal
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for EC mining of stone from Sargadi Stone Quarry-II (A) over an area 4.00ACRES or 1.618 HECTARES in village Sargadi, under Khariarr tahasil of Nuapada district,Odisha.
Name of the company/Organization	M/s.Triveni Engineers Pvt. Ltd. Abinash Mohanty
Location of Project	village Sargadi, under Khariarr tahasil of Nuapada district,Odisha
ToR Date	N/A
Name of the Consultant	N/A

1. Proposal in brief: The highlights of the proposal as ascertained from the application and as revealed from proceedings/discussion held during the meeting of SEAC/SEIAA, are given as under:

- i) This is a proposal for mining of stone from Sargadi Stone Quarry-II (A) over an area 4.00ACRES or 1.618 HECTARES in village Sargadi, under Khariarr tahasil of Nuapada district,Odisha..
- ii) The mining area is a part of Survey of India Toposheet No. F44W15 and is bounded between the Latitude - 20°16'02.31"N to 20°16'08.10"N and longitudes of 82°48'26.05"E to 82°48'21.87"E.
- iii) The mining lease is an identified sariat source in the DSR. The Sargadi Stone Quarry-II (A) sariat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Khariarr to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- iv) Documents submitted: -Form-I, DI.C, PFR, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, topo map etc.
- v) Whether submitted KML file of the lease area-Yes
- vi) Whether submitted scrutiny fee-Yes of Rs. 1000/- vide e Chullam Reference Id no. 35D5871681 dt. 15.12.2023
- vii) Distance from nearest sanctuary/ESZ- Ambapani WLS-57.0 Km
- viii) Whether the lease area coming in DLC report-No as certified by Mining Officer, Nuapada vide letter no, Nil dt. 07.12.2023.
- ix) Whether the lease area reflecting in DSR-Yes
- x) Method of mining-Semi-mechanized
- xi) Distance from nearest road bridge-4.73 km, village road -0.17 km
- xii) Whether it is part of cluster -Yes, Sargadi Stone Quarry-II (A and Sargadi Stone Quarry-II (B) are coming in single cluster with total lease area 4.855 Ha and submitted cluster EMP.
- xiii) Whether EC obtained earlier-Yes, by DEIAA, Nuapada, vide letter no.635/D/IAA dt. 21.03.2018 in submitted EC compliance but not satisfactory.
- xiv) Date of approval of mining plan- the Joint Director of Geology, Zonal Survey, Balangir vide letter no.835 dt.15.10.2023.
- xv) Production capacity per annum-40000 cum/annum (max.), total production in 5 years period-100000 cum, Geological reserve-313478 cum and Mineable reserve-95366 cum

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- xvi) Whether the DSR has been prepared as per the MoEF & CC, Govt. of India Notification S.O. 3611(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020- No
- xvii) The EMP budget provision of Rs. 1.70 Lakh/annum
- xviii) Any deficiencies/omission have been noticed in the above documents- **village road is located within 170m from the proposed quarry**
2. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 30.01.2024 and the SEAC recommended to grant EC valid from the date of EC accorded up to the lease period with following additional conditions:
- (i) The Letter of Intent submitted vide letter No.47 dated 10th August 2023 from the office of the Deputy Director of Mines, Kalahandi circle, Bhubaneswar states that the production from the quarry should not exceed 4000 cum / year though approved mining plan is for 40000 cum. Hence, EC shall be recommended as per **Mineral Permit i.e. 4000 cum/annum.**
 - (ii) Consent / NoC shall be obtained from the concerned authority if village road is to be used for transportation. The said road shall also be maintained by the lessee.
 - (iii) In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured Page 9 of 112.
 - (iv) Plantation programme to be completed within first two years and to be maintained in remaining years. v) Depth of Mining as proposed should not be beyond 6m from the ground level. vi) Mitigation measures for flying Rock for safety be put in place.
 - (v) Stone quarry project proponent need to maintain periodic health check-up records of their employees and ensure use of face mask by workers in crushing and handling sections of the stone quarry for ensuring that working personnel are not affected by silicosis.
 - (vi) The boundary area of the deposit as per the revised / updated DSR to be defined by geo coordinates based on D GPS survey superimposed on the cadastral map.
 - (vii) Construction of garland drains retaining wall and settling tank should be ensured to prevent erosion during rainfall and to collect silt generated during the mining activity.
 - (viii) Topsoil excavated during mining to be stacked separately in the ML area and to be used or plantation in and around the ML area.
 - (ix) The approved mining plan states use of explosives for blasting in the mining operation by following DGMS guidelines. The project proponent has to adopt all safety and recommended guidelines of MoEF&CC.
3. The proposal was placed in 159th SEIAA meeting held on 04.03.2024 & 06.03.2024. After detailed deliberation in the matter, the Authority decide that the PP is required to submit clarification from the Joint Director of Geology, Zonal Survey, Balangir for approval of mining plan with a production capacity of 40000 cum/annum whereas, the LOI issued by the Deputy Director of Mines vide letter no. 47 dt. 10.08.2023 stipulates that the production from the quarry should not exceed 4000 cum/annum, as per the new project-based permit duration accordingly, ADS raised by SEIAA on 13.03.2024 for clarification from Joint Direct Geology, Zonal Survey, Balangir.
4. Now, the Joint Direct Geology, Zonal Survey, Balangir has submitted its reply vide letter no. 432 dt. 16.03.2024.

Decision of Authority: Approved

The Authority perused the reply dt. 16.03.2024 of Joint Director of Geology, Zonal Survey, Balangir and allowed grant of EC subject to conditions that the Joint Director of Geology, Zonal Survey, Balangir shall be responsible for compliance of EC, if any, for the discrepancy between LOI and the approved Mining Plan.

- Maximum depth of mining 6.0 meter from the surface level and maximum quantity of extraction shall be limited to **40000 cum in 1st year and 40000 cum in 2nd year.**
- The EC is valid till validity of DSR or validity of lease period whichever is earlier.

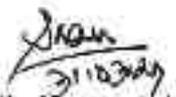
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- The Grant of EC for further period will be considered after submission of approved DSR by SEIAA as per the MoEF & CC, Govt. of India Notification S.O. 3611(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020 and also as per the Hon'ble Supreme Court order vide its order dated 10.11.2021 in Civil Appeal Nos. 3661-3662 of 2020 (State of Bihar Vrs. Pawan Kumar and Others).
- The PP will implement the EMP with a budgetary allocation of Rs. 1.70 Lakh/annum.

APPROVED BY


Member Secretary, SAIA


Member, SAIA


Chairman, SAIA

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PARIVESH 2.0, AGENDA No.161.09	
Proposal No.	SLA/OR/MIN/458585/2024
Date of application	13.01.2024
File no.	458585/07-MIN/01-2024
Project Type	New EC proposal
Category	B1
Project/Activity including Schedule No.	I(a) Mining of minerals
Name of the Project	Proposal for EC mining of sand from Kilipal Mahanadi Sand Sairat over an area of 13.00 Acres or 5.26 Ha having Khata No. 298, Plot No. 954 in village Kilipal under Tirtol Tahasil of Jagatsinghpur District, Odisha.
Name of the company/Organization	Sri Saroj Kumar Mohanty
Location of Project	village Kilipal under Tirtol Tahasil of Jagatsinghpur District, Odisha.
ToR Date	05.05.2022
Name of the Consultant	M/s. Green Circle Inc, Vadodara

- 1. Proposal in brief:** The highlights of the proposal as ascertained from the application and as revealed from proceedings/discussion held during the meeting of SEAC/SEIAA, are given as under.
 - This proposal is for Environmental Clearance of Kilipal Mahanadi Sand Sairat over an area of 13.00 Acres or 5.26 Ha. having Khata No. 298, Plot No. 954 in village Kilipal under Tirtol Tahasil of Jagatsinghpur District of Sri Saroj Kumar Mohanty.
 - 2. Category:** As per the EIA notification 2006 and its subsequent amendments, proposed project falls in category B under schedule of Item I(a)-Mining of minerals.
 - Quarry lease has been awarded to Sri Saroj Kumar Mohanty, S/o Khetrabasi Mohanty, by Tahasildar of Tirtol for 5 years via letter no. 1989 dated 29/09/2021.
 - The mining plan was approved by Deputy Director Geology, Authorized officer, Directorate of Geology, Bhubaneswar vide letter no.7133/DG and date.02.12.2021.
 - Mining lease is an identified sairat source in the DSR page No.20, Sl.no.18, Annexure I. The proposed mine is an existing Mine.
 - TOR details:** Terms of Reference (TOR), was issued by SEIAA, Odisha, vide proposal Letter File. No.-SLA/OR/MIN/71478/2022 vide letter No. 4478/SEIAA on dated 05.05.2022.
 - Public hearing details:** Public hearing was conducted on 23.11.2022 at front of Devi Brick KILN, Tarajanga, Kilipala, Tehsil- Tirtol, Dist-Jagatsinghpur at 10.30 AM. Issues raised during public hearing are covering of sand loaded vehicle for control of air pollution, protection of river embankment and availability of sand at concessional price.an amount of Rs. 40, 000 has been incurred for action plan of public hearing.
 - Location and connectivity:** The proposed project is located at Khata no-298, Plot No-954 in village Kilipala, Tahasil Tirtol, district Jagatsinghpur bounded by geo coordinates Latitude: N20°19'05.70" to N20°19'19.20" and Longitude: E86°18'36.10" to E86°18'47.10" bearing Toposheet No, 75I/7. The Nearest NH is NH-53 at a distance 19km and nearest airport is Biju Pattnaik International Airport, Bhubaneswar is at about 53 km.
 - 9. Total Reserves and proposed production:**

As per Approved Mining Plan	
Geological Reserve	Mineable Reserve
26462	21935

Mining Lease	Year	Surface Area in m ²	Thickness in m	Production (m ³)
	A	B	C	D=B×C
Kilipal Mahanadi Sand Sairat	1st Year	15150	1	15150
	2nd Year	15150	1	15150
	3rd Year	15150	1	15150
	4th Year	15150	1	15150
	5th Year	15150	1	15150
Total				75750cum.

10. **Replenishment study details:** Replenishment Study Report has prepared by Drobe method with Pre-monsoon Survey on 23.06.2023 and Post Monsoon Survey on 28.11.2023 and 47106.9389 cum of sand has been replenished annually. Available Sand inside the Lease Area is 78511 cum. However, the total volume of sand available in Kilipal Mahanadi Sand Sairat after Replenishment study is around 78511.5649 m³ after leaving the safety zone area which can be treated as safe extractable within the framework of the study after arrival of river level and common safe workable area 52531.485 m³.
11. **Mining method:** Open cast manual mining will be adopted with production capacity of maximum 15150 m³/year.
12. **Water requirement:** Total water required for the proposed project is 5 KLD.

S. No.	Particulars	Quantity (KLD)	Source
1.	Dust Suppression (on haul roads etc.)	1.0	Water will be sourced from nearest available source.
2.	Green Belt Development/ Plantation	2.0	
3.	Drinking/Domestic & Sanitation	2.0	
Total		5.0	

13. **Baseline study details:** Baseline study of the study area was conducted during pre-monsoon from 1st March 2022 to 31st May 2022 for Kilipal Mahanadi Sand Quarry.
- Air :** PM10 levels were ranging from 52.3 to 94.10 µg/m³; PM2.5 levels were ranging from 20.40 to 44.20 µg/m³; SO₂ levels were ranging from 4.10 to 20.60 µg/m³; NO_x levels were found ranging from 9.30 to 41.20 µg/m³.
 - Noise:** The noise levels varied in the study area during day time from 46.7 dB (A) Leq at Khuntal village to 55.3 Leq dB (A) at T-Point where Vehicle Movement is Higher which is increase the noise level. The night time noise level in the study area is in the range of 35.2 (A) Leq at Hajipur Village to 49.6 Leq dB (A) at T-Point because, because Due to surrounding activities of Project site.
 - Ground water monitoring results:** pH ranges from 7.18 to 7.81. TDS in samples ranges from 127 mg/l to 212 mg/l. Total Hardness in the water ranges from 85 mg/l to 142 mg/l. Calcium content in the water ranges from 15.4 mg/l to 25.6 mg/l, Magnesium content in the water ranges from 6.91 mg/l to 11.5 mg/l. Total alkalinity in the water samples ranges from 48 mg/l to 80 mg/l. Chlorides range from 76.4 mg/l to 257.3 mg/l.
 - Surface water monitoring results:** All samples were colourless meeting desirable norms (<5 Hazen). All samples meet the desirable standards (pH ranges from 7.11 – 7.69). TDS in samples ranges from 214 mg/l to 406 mg/l. Total hardness in the water ranges from 143 mg/l to 272 mg/l. Calcium content in the water ranges from 25.9 mg/l to 49.1 mg/l, Magnesium content in the water ranges from 11.6 mg/l

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to 22.0 mg/l, Total alkalinity in the water samples ranges from 54.5 mg/l to 97.1 mg/l. Chloride ranges from 26.3 mg/l to 51.3 mg/l.

- **Soil monitoring results:** All the samples showed pH in the range from 7.25 - 7.69. Conductivity of the samples were in the range from 0.19 $\mu\text{mhos/cm}$ - 0.68 $\mu\text{mhos/cm}$. Moisture were in the range from 5.6% to 13.4%. Organic Carbon ranges from 0.26% - 0.62%. Organic Matter ranges from 0.45% - 1.07%. Phosphorus in the samples ranges from 27.46mg/kg- 53.15 mg/kg. Total Nitrogen ranges from 116 mg/kg- 145 mg/kg. Potassium in the samples ranges from 143 mg/kg - 341 mg/kg. Calcium in the samples ranges from 98 mg/kg - 207 mg/kg. Magnesium ranges from 27 mg/kg - 73 mg/kg. Chloride ranges from 97 mg/kg - 286 mg/kg.

14. Greenbelt development: 50 trees per year will be planted as greenbelt development.

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

15. Manpower requirement: 26 persons will be engaged as manpower for the proposed project.

Designation	No. of Manpower
Supervisory Personnel/ Statutory Personnel	1
Skilled laborers (Operator and Helper)	2
Unskilled Laborer	22
Total	26

16. Project cost: Estimated cost of the project is Rs. 20 Lakhs. EMP cost incurs capital cost of Rs. 1,45,000, and recurring cost of Rs.75,000.

S. no	Particulars	Capital Cost	Annual Recurring cost
1	Pollution Control	55,000	20,000
2	Pollution Monitoring	25,000	10,000
3	Afforestation along Approach road	35,000	25,000
4	Occupational health and safety	30,000	20,000
5	Reclamation /Rehabilitation of mined out area	-	-
Total		1,45,000	75,000

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

18. Considering the information furnished and the presentation made by the consultant, M/s Green Circle Inc, Vadodara along with the project proponent.

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

Minutes of 161st Meeting of SEIAA, Odisha held on 20.03.2024 & 21.03.2024

2. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 01.02.2024 and **the SEAC recommended for grant of Environmental Clearance** for the proposal valid upto lease period with stipulated conditions as per **Annexure – A** and following specific conditions:
- Amended EIA Notification dated 25th July, 2018, Guidelines for sustainable sand mining, 2016 and Enforcement and Monitoring Guidelines for Sand Mining, January 2020 of MoEF&CC, Govt. of India shall be adhered to in execution of Mining as per **Annexure – B**.
 - In absence of proper Replenishment Study Report, the SEAC recommended sand for 1st year to a capacity of 60% of annual production capacity as approved in the mining plan.
 - Issues raised in Public Hearing shall be complied by the project proponent.
 - Sand extraction shall be limited to quantity and depth as per replenishment study report. Regular replenishment study as per guidelines to be conducted and report to be submitted.
 - 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.
 - No natural water course shall be obstructed or diverted for the purpose of sand mining.
 - As per Sand Sustainable Guidelines, 2020, the proponent shall ensure that no mining should be allowed below water level.
3. The proposal was placed in 159th meeting of SEIAA held on 04.03.2024 & 06.03.2024. The Authority observed that the EMP submitted by the consultant/PP does not address the environmental concerns as well as issues raised in the Public Hearing held on 23.11.2022. After detailed deliberation in the matter, the Authority decided that the PP is required to prepare EMP and CFR afresh indicating year wise, item-wise budget for activities proposed in the EMP and CFR. Accordingly, ADS raised by SEIAA to PP for submission clarification.
4. Now, the PP has submitted the revised EMP report by M/s. Green Circle Inc. with budget provision of Rs. 0.90 Lakh/annum and CFR cost of Rs. 1.20 lakh/annum for 3 years.

Decision of Authority: ADS

The Authority ~~approved~~ ^{perused} the EMP which is not as per the guidelines and ~~not~~ prepared in a lackadaisical manner. Hence, the same is rejected.

Further, the Authority decided to issue show cause notice to the consultant M/s. Green Circle Inc. Vadodara for debarment. The PP is required to submit revised EMP through another NABET empanel consultant indicating year-wise and item-wise budget for activities proposed in the EMP & CFR.


Member Secretary, SAIA

APPROVED BY


Member, SAIA


Chairman, SAIA

Minutes of 161st Meeting of SEIAA, Odisha held on 20.03.2024 & 21.03.2024

PARIVESH 2.0, AGENDA No.161.10	
Proposal No.	SIA/OR/MIN/460245/2024
Date of application	30.01.2024
File no.	-
Project Type	New EC proposal (individual EC application)
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for EC mining of sand from Turkel Sand Quarry-1 over an area of 12.36 Acres or 5.00 Ha having Khata No.221, Plot No. 270 in village Turkel under Kalahandi Tahasil of Kalahandi District, Odisha.
Name of the company/Organization	Sri Rajeswar Thakur, Managing Director, Thakur Bultech Pvt. Ltd., At-Near Balaji Temple, Po/Ps- Bhawanipatna, Dist- Kalahandi
Location of Project	Turkel under Kalahandi Tahasil of Kalahandi District, Odisha
ToR Date	11.11.2023
Name of the Consultant	M/s. Green Circle .NIC, Vadodara

Proposal in brief: The highlights of the proposal as ascertained from the application and as revealed from proceedings/discussion held during the meeting of SEAC/SEIAA, are given as under.

- (i) This is a proposal for mining of sand from Turkel Sand Quarry-1 over an area of 12.36 Acres or 5.00 Ha having Khata No.221, Plot No. 270 in village Turkel under Kalahandi Tahasil of Kalahandi District, Odisha.
- (ii) The mining area is a part of Survey of India Toposheet No. 54P/4 and is bounded between the Latitude - 20°08'35.33"N to 20°08'44.30"N and longitudes of 83°05'17.20"E to 83°05'28.80"E.
- (iii) The mining lease is an identified sairat source in the DSR. The Turkel Sand Quarry-1 sairat source will be leased out under the OMMC Rules, 2016 by Mining Officer, Kalahandi to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- (iv) Documents submitted: -Form-1, PFR, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, topo map etc.
- (v) Whether submitted KML file of the lease area-Yes
- (vi) Whether submitted scrutiny fee-Yes of Rs. 2000/- vide e Challan Reference Id no. 3505861000 dt. 18.12.2023.
- (vii) Distance from nearest sanctuary/FSZ- Karlapat WLS-53.0 Km
- (viii) Whether the lease area coming in D.C report-No, NA
- (ix) Whether the lease area reflecting in DSR-Yes
- (x) Method of mining-Manual
- (xi) River-Tel, Depth of sand deposition-2.0 meter
- (xii) Distance from nearest road bridge-0.2 km, village road -1.0 km
- (xiii) Whether it is part of cluster -Yes, two sand quarries i.e. : Turkel Sand Quarry 1 & II are coming in single cluster and total cluster area is 19.00 Ha. IIA & EMP prepared both cluster sand quarries.
- (xiv) Whether EC obtained earlier-Yes, issued by DEIAA, Kalahandi vide letter no. 36/DEIAA dt. 24.04.2017 and submitted EC compliance but not satisfactory.
- (xv) Date of approval of mining plan- the Joint Director of Geology, Zonal Survey, Balangir vide letter no.611 dt.29.06.2022.

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- (xvi) Production capacity per annum-18000 cum/annum (max.), total production in 5 years period-90000 cum, Geological reserve-100058 cum and Mineable reserve-23600 cum and depth of mining as per approved mining plan is 1.8 meter.
- (xvii) Whether the DSR has been prepared as per the MoEF & CC, Govt. of India Notification S.O. 3611(F) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020- No
- (xviii) Replenishment Study Report-For Replenishment study, the survey was done by using UAV/Drone which indicates the mineable sand deposit is around 33525 cum. 60% of the above computed mineable reserve has been taken as available mineable reserve over the area as per MoEF Notification dated 25.07.2018. Maximum of 33525 cum of sand per annum may be allowed for mining activities. 60% of the mineable reserve is 20115 cum. The maximum extraction limit as per sustainable sand mining Rule of MoEF Guideline is 20115cum
- (xix) TOR details: Terms of Reference (TOR) has been prescribed by SEIAA, Odisha, vide letter no. SLA/OR/MIN/80758/2022 dated 11.11.2022.
- (xx) Public hearing details: Public hearing was held on dated 14.09.2022 at 10:00 AM near Chahagaon Gram Panchayat Office under Kalahandi block of Kalahandi District. During Public Hearing, about 80 local people participated and 33 suggestions/opinions were received by local citizens. Issues raised were regarding transportation of sand, transportation route, sand mining from river bed, control of vehicular emission during transportation, dust suppression measures, road development, provision of drainage facility in the village to avoid water logging problem, plantation, utilization of DMF fund for peripheral development of the village, road development and protection of environment. The amount incurred for action plan of public hearing is Rs. 50,000.
- (xxi) The Cluster EMP budget provision of Rs. 1,45,000/- (Capital Cost) & Rs. 0.75 Lakh (Recurring Cost) for Turkel-I and Rs. 1,45,000/- (Capital Cost) & Rs. 0.75 Lakh (Recurring Cost) for Turkel-II, CER Cost is Rs. 0.50Lakh/annum.
- (xxii) The Individual EMP budget provision of Rs. 1,45,000/- (Capital Cost) & Rs. 0.75 Lakh (Recurring Cost), CER Cost is Rs. 0.25Lakh/annum.
- (xxiii) Any deficiencies/omission have been noticed in the above documents- Nil
2. Whether SEAC recommended the proposal - The proposal was placed in the SEAC meeting held on 11.07.2023 and the SEAC recommended for grant of Environmental Clearance for the proposal valid upto lease period with stipulated conditions as per **Annexure - C** and following specific conditions
- Amended EIA Notification dated 25th July, 2018, Guidelines for sustainable sand mining, 2016 and Enforcement and Monitoring Guidelines for Sand Mining, January 2020 of MoEF&CC, Govt. of India shall be adhered to in execution of Mining as per **Annexure - D**.
 - Regular replenishment study as per guidelines to be conducted and report to be submitted.
 - Provision of Bio-toilet shall be made at the site
 - Avenue plantation and plantation on both sides of the haulage road in consultation with/ on the advice of concerned Forest Department, Government of Odisha & W.R. Department Government of Odisha as well.
 - Stone patching with plantation in between along the stretch of the bank associated with sand mining and necessary ramp construction shall be made.
 - Bridge is of 1km length and about 200meter from the lease area. As per Enforcement and Monitoring Guidelines for Sand Mining 2020 "Sand and gravel shall not be extracted up to a distance of 1 kilometer from major bridges and highways on both sides, or 5X of the length of the bridge on the upstream side and 10X on downstream side". Taking this criterion, sand extraction shall be permitted leaving the non-mining zone as Safety zone from the bridge.**
3. The proposal was placed in 160th SEIAA meeting held on 12.03.2024 and after detailed deliberations in the matter, the Authority decided that the PP is required to comply with the observation of point no. (1) of SEAC which reproduced below: i.e. "Bridge is of 1km length and about 200meter from the lease area. As per Enforcement and Monitoring Guidelines for Sand Mining 2020 "Sand and gravel shall not be extracted up to a distance of 1 Km from major bridges and highways on both sides, or 5X of the length of the bridge on the upstream side and 10X on downstream side". Taking these criteria, sand extraction shall be permitted leaving the non-mining zone as Safety zone from the bridge". Accordingly, ADS raised

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by SEIAA, Odisha on 13.03.2024.

4. Now, the Tahasildar, Kalahandi vide his letter dt. 5813 dt. 10.10.2023 has submitted clarification with mentioned that the bridge is located 290 meter from the boundary of proposed sand quarry and as per the guideline of MoEF & CC 1.0 km distance left from bridge to quarry is not possible in this case because after 1km distance left there is no lease area for mining so that 500 meter distance left from major bridge and rest 70 meter area will be used for mining in Turkel-1 sand quarry 620 nets is at a distance of Turkel02 sand quarry which has been already shown in approved mining plan. The Superintending Engineer, Kalahandi (R & B) Division, Bhawanipatna has submitted NOC vide letter no. 12103 dt. 09.10.2023 with mentioned that if the mining will operate after 500meter radius left from major Turkel Bridge there is no objection from their side.

Decision Of Authority:

Decision Of Authority: Approved

The Authority perused the reply of Tahasildar and NOC of Superintending Engineer, Kalahandi (R & B) Division, Bhawanipatna and allowed grant of EC with specific conditions that the PP shall ensured that no-mining shall take place within 500 meter radius from the Bridge. After detailed deliberations in the matter, the Authority decided to grant **Environmental Clearance** with usual stipulated conditions as applicable for sand quarry.

- Maximum depth of mining 2.0 meter and maximum quantity of extraction shall be limited to **10000 cum** in 1st year from the date of issue of EC and **2500 cum** in 2nd year (i.e. 25% of the 1st year allowed production quantity if, ARRS report is not submitted after one year).
- The validity of EC is for 1st year and 2nd year or validity of DSR or validity of lease period whichever is earlier.
- The PP shall carryout the ARRS study by March, 2025 through an NABET or ORSAC empanelled agency.
- The Grant of EC for further period will be considered after submission of approved DSR by SEIAA as per the MoEF & CC, Govt. of India Notification S.O. 3611(I) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020 and also as per the Hon'ble Supreme Court order vide its order dated 10.11.2021 in Civil Appeal Nos. 3661-3662 of 2020 (State of Bihar Vrs. Pawan Kumar and Others).
- The Project Proponent (lease holder) shall deposit Rs.2,50,000/-, with the respective District Environment Society for raising 500 plants (minimum @100 trees per Ha) of native species within 2 years in a suitable location adjoining to quarry.
- The PP will implement the BMP with a budgetary allocation of Rs. 1,45,000/- (Capital Cost) & Rs. 0.75 Lakh (Recurring Cost), CER Cost is Rs. 0.25Lakh/annum.

Member Secretary, SAIA

APPROVED BY

Member, SAIA

Chairman, SAIA

Minutes of 161st Meeting of SEIAA, Odisha held on 20.03.2024 & 21.03.2024

PARIVESH 2.0, AGENDA No.161.11	
Proposal No.	SIA/OR/MIN/460434/2024
Date of application	30.01.2024
File no.	-
Project Type	New EC proposal (individual EC application)
Category	42
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for EC mining of sand from Turkel Sand Quarry-2 over an area of 12.35 Acres or 5.00 Ha having Khata No.221, Plot No. 270 in village Turkel under Kalahandi Tahasil of Kalahandi District, Odisha.
Name of the company/Organization	Sri Subhansu Mohapatra
Location of Project	Turkel under Kalahandi Tahasil of Kalahandi District, Odisha
ToR Date	11.11.2023
Name of the Consultant	M/s. Green Circle .NIC, Vadodara

Proposal in brief: The highlights of the proposal as ascertained from the application and as revealed from proceedings/discussion held during the meeting of SFAC/SEIAA, are given as under.

- (i) This is a proposal for mining of sand from Turkel Sand Quarry-2 over an area of 12.35 Acres or 5.00 Ha having Khata No.221, Plot No. 270 in village Turkel under Kalahandi Tahasil of Kalahandi District, Odisha.
- (ii) The mining area is a part of Survey of India Toposheet No. F44X4(64P/4) and is bounded between the Latitude- 20°08'39.43"N to 20°08'47.11"N and longitudes of 83°05'27.92"E to 83°05'39.84"E
- (iii) The mining lease is an identified sand source in the DSR. The Turkel Sand Quarry-2 sand source will be leased out under the OMMC Rules, 2016 by Mining Officer, Kalahandi to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- (iv) Documents submitted: -Form-1, PIR, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, topo map etc.
- (v) Whether submitted KML file of the lease area-Yes
- (vi) Whether submitted scrutiny fee-Yes of Rs. 2000/- vide e Challan Reference Id no. 3505661/MB dt. 18.12.2023.
- (vii) Distance from nearest sanctuary/ESZ- Karlapat WLS-53.0 Km
- (viii) Whether the lease area coming in DLC report-No. NA
- (ix) Whether the lease area reflecting in DSR-Yes
- (x) Method of mining-Manual
- (xi) River-Tel, Depth of sand deposition-2.0 meter
- (xii) Distance from nearest road bridge-0.62 km, village road -1.0 km
- (xiii) Whether it is part of cluster -Yes, two sand quarries i.e. Turkel Sand Quarry-1 & II are coming in single cluster and total cluster area is 10.00 Ha. EIA & EMP prepared both cluster sand quarries.
- (xiv) Whether EC obtained earlier No
- (xv) Date of approval of mining plan- the Joint Director of Geology, Zonal Survey, Balangir vide letter no.1545 dt.30.06.2020.
- (xvi) Production capacity per annum-16120 cum/annum (max.), total production in 5 years period-80600 cum, Geological reserve-100000 cum and Mineable reserve-86784 cum and depth of mining as per approved mining plan is 1.8 meter.

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- (xvi) Whether the DSR has been prepared as per the MoEF & CC, Govt. of India Notification S.O. 3611(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020- No
- (xviii) Replenishment Study Report – For Replenishment study, the survey was done by using UAV/Drone which indicates the mineable sand deposit is around 33525 cum, 50% of the above computed mineable reserve has been taken as available mineable reserve over the area as per MoEF Notification dated 25.07.2018. Maximum of 33525 cum of sand per annum may be allowed for mining activities. 60% of the mineable reserve is 20115 cum. The maximum extraction limit as per sustainable sand mining Rule of MoEF Guideline is 20115cum.
- (xix) TOR details: Terms of Reference (TOR) has been prescribed by SEIAA, Odisha, vide letter no. SIA/OR/MIN/80758/2022 dated 11.11.2022.
- (xx) Public hearing details: Public hearing was held on dated 14.09.2022 at 10.00 AM near Chahagaon Gram Panchayat Office under Kalahandi block of Kalahandi District. During Public Hearing, about 80 local people participated and 33 suggestions/opinions were received by local citizens. Issues raised were regarding transportation of sand, transportation route, sand mining from river bed, control of vehicular emission during transportation, dust suppression measures, road development, provision of drainage facility in the village to avoid water logging problem, plantation, utilization of DMF fund for peripheral development of the village, road development and protection of environment. The amount incurred for action plan of public hearing is Rs. 50,000.
- (xxi) The Cluster EMP budget provision of Rs. 1,45,000/- (Capital Cost) & Rs. 0.75 Lakh (Recurring Cost) for Turkel-I and Rs. 1,45,000/- (Capital Cost) & Rs. 0.75 Lakh (Recurring Cost) for Turkel-II, CER Cost is Rs. 0.50Lakh/annum.
- (xxii) The Individual EMP budget provision of Rs. 1,45,000/- (Capital Cost) & Rs. 0.75 Lakh (Recurring Cost), CER Cost is Rs. 0.25Lakh/annum.
- (xxiii) Any deficiencies/omission have been noticed in the above documents- Nil
2. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 11.07.2023 and the SEAC recommended for grant of Environmental Clearance for the proposal valid upto lease period with stipulated conditions as per **Annexure – C** and following specific conditions:
- Amended EIA Notification dated 25th July 2018 Guidelines for sustainable sand mining, 2016 and Enforcement and Monitoring Guidelines for Sand Mining, January 2020 of MoEF&CC, Govt. of India shall be adhered to in execution of Mining as per **Annexure – D**
 - Regular replenishment study as per guidelines to be conducted and report to be submitted
 - Provision of Bio-toilet shall be made at the site.
 - Avenue plantation and plantation on both sides of the haulage road in consultation with/ on the advice of concerned Forest Department, Government of Odisha & W.R. Department Government of Odisha as well.
 - Stone patching with plantation in between along the stretch of the bank associated with sand mining and necessary ramp construction shall be made.
 - Bridge is of 1km length and about 200meter from the lease area. As per Enforcement and Monitoring Guidelines for Sand Mining 2020 "Sand and gravel shall not be extracted up to a distance of 1 kilometer from major bridges and highways on both sides, or 5X of the length of the bridge on the upstream side and 10X on downstream side". Taking this criteria, sand extraction shall be permitted leaving the Non Mining zone as Safety zone from the bridge.**
3. The proposal was placed in 160th SEIAA meeting held on 12.03.2024 and after detailed deliberations in the matter, the Authority decided that the PP is required to comply with the observation of point no. (f) of SEAC which reproduced below: i.e. "Bridge is of 1km length and about 200meter from the lease area. As per Enforcement and Monitoring Guidelines for Sand Mining 2020 "Sand and gravel shall not be extracted up to a distance of 1 Km from major bridges and highways on both sides, or 5X of the length of the bridge on the upstream side and 10X on downstream side". Taking these criteria, sand extraction shall be permitted leaving the non-mining zone as Safety zone from the bridge". Accordingly, ADS raised by SEIAA, Odisha on 13.03.2024.
4. Now, the Tahasildar, Kalahandi vide his letter dt. 5813 dt. 10.10.2023 has submitted clarification with mentioned that the bridge is located 290 meter from the boundary of proposed sand quarry and as per

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the guideline of MoEF & CC 1.0 km distance left from bridge to quarry is not possible in this case because after 1km distance left there is no lease area for mining so that 500 meter distance left from major bridge and rest 70 meter area will be used for mining in Turkei-1 sand quarry 620 nets is at a distance of Turkei02 sand quarry which has been already shown in approved mining plan. The Superintending Engineer, Kalahandi (R & B) Division, Bhawanipatna has submitted NOC vide letter no. 12103 dt 08.10.2023 with mentioned that if the mining will operate after 500meter radius left from major Turkei Bridge there is no objection from their side.

Decision Of Authority: Approved

The Authority perused the reply of Tahasildar and NOC of Superintending Engineer, Kalahandi (R & B) Division, Bhawanipatna. After detailed deliberations in the matter, the Authority decided to grant **Environmental Clearance** with usual stipulated conditions as applicable for sand quarry.

- Maximum depth of mining 2.0 meter and maximum quantity of extraction shall be limited to **16000 cum** in 1st year from the date of issue of EC and **4000 cum** in 2nd year (i.e. 25% of the 1st year allowed production quantity if, ARRS report is not submitted after one year).
- The EC is valid for 1st year and 2nd year or validity of DSR or validity of lease period whichever is earlier.
- The PP shall carryout the ARRS study by March, 2025 through an NABET or ORSAC empanelled agency.
- The Grant of EC for further period will be considered after submission of approved DSR by SEIAA as per the MoEF & CC, Govt. of India Notification S.O. 3611(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020 and also as per the Hon'ble Supreme Court order vide its order dated 10.11.2021 in Civil Appeal Nos. 3661-3662 of 2020 (State of Bihar Vrs. Pawan Kumar and Others).
- The Project Proponent (lease holder) shall deposit Rs.2,50,000/-, with the respective District Environment Society for raising 500 plants (minimum @100 trees per Ha) of native species within 2 years in a suitable location adjoining to quarry.
- The PP will implement the EMP with a budgetary allocation of Rs. 1,45,000/- (Capital Cost) & Rs. 0.75 Lakh (Recurring Cost), CER Cost is Rs. 0.25Lakh/annum.

Member Secretary, SAIA

APPROVED BY

Member SAIA

Chairman, SAIA

Minutes of 161st Meeting of SEIAA, Odisha held on 20.03.2024 & 21.03.2024

PARIVESH 2.0, AGENDA No.161.12	
Proposal No.	SIA/OR/MIN/454801/2023
Date of application	08.12.2023
File no.	454801/08-MINB2/12-2023
Project Type	New EC proposal
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for EC mining of stone from Mursing Stone Quarry over an area of 1.00 Acres or 0.404 Hectares in village Mursing under Narla tahasil of Kalahandi district.
Name of the company/Organization	Mining Officer, Kalahandi
Location of Project	village Mursing under Narla tahasil of Kalahandi district.
ToR Date	N/A
Name of the Consultant	N/A

1. Proposal in brief: The highlights of the proposal as ascertained from the application and as revealed from proceedings/discussion held during the meeting of SEAC/SEIAA, are given as under:

- i) This is a proposal for mining of stone from Mursing Stone Quarry over an area of 1.00 Acres or 0.404 Hectares in village Mursing under Narla tahasil of Kalahandi district.
- ii) The mining area is a part of Survey of India Toposheet No. F44X8(64P/8) and is bounded between the Latitude - 20°06'36.28"N to 20°06'40.23"N and longitudes of 83°19'49.30"E to 83°19'52.20"E.
- iii) The mining lease is an identified sairat source in the DSR. The Mursing Stone Quarry sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Narla to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- iv) Documents submitted: -Form-1, DLC, PFR, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Mining Officer, topo map etc.
- v) Whether submitted KML file of the lease area-Yes
- vi) Whether submitted scrutiny fee-Yes of Rs. 1000/- vide e Challan Reference Id no. 35D519DA38 dt. 08.12.2023
- vii) Distance from nearest sanctuary/BSZ- Kotgarh WLS-41.0 Km
- viii) Whether the lease area coming in DLC report-No as certified by Mining Officer, Kalahandi vide letter no. Nil dt. 09.11.2023
- ix) Whether the lease area reflecting in DSR-Yes
- x) Method of mining-semi-mechanized
- xi) Distance from nearest road bridge-15.2 km, village road -0.60 km
- xii) Whether it is part of cluster - No
- xiii) Whether EC obtained earlier-Yes, Not submitted earlier EC copy and its compliance
- xiv) Date of approval of Modified mining plan- the Joint Director of Geology, Zonal Survey, Balangir vide letter no.900 dt.06.11.2023.
- xv) Production capacity per annum-5076 cum/annum (max.), total production in 5 years period-25380 cum, Geological reserve-38029 cum and Mineable reserve-25380 cum
- xvi) Whether the DSR has been prepared as per the MoEF & CC, Govt. of India Notification S.O. 3611(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020- No

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- xvii) The EMP budget provision of Rs. 1.60 Lakh (Capital Cost) & Rs. 0.32Lakh/annum (Recurring Cost).
- xviii) Any deficiencies/omission have been noticed in the above documents- **Mining Plan approval by different Authority in different date. Not submitted earlier EC copy and its compliance.**
2. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 30.01.2024 and the SEAC recommended to grant EC valid from the date of EC accorded up to the lease period with following additional conditions.
- (i) Consent / NoC shall be obtained from the concerned authority if village road is to be used for transportation. The said road shall also be maintained by the lessee.
 - (ii) In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured
 - (iii) Plantation programme to be completed within first two years and to be maintained in remaining years.
 - (iv) Depth of Mining as proposed should not be beyond five from the ground level.
 - (v) Mitigation measures for flying rock for safety be put in place.
 - (vi) Same quarry project proponent need to maintain periodic health check-up records of their employees and ensure use of face mask by workers in crushing and handling sections of the stone quarry for ensuring that working personnel are not affected by silicosis.
 - (vii) The boundary area of the deposit as per the revised / updated DSR to be defined by geo-coordinates based on D GPS survey superimposed on the cadastral map.
 - (viii) Construction of garland drains retaining wall and settling tank should be ensured to prevent erosion during rain fall and to collect silt generated during the mining activity.
- However, EC shall be granted after submission of clarification from the PP regarding the discrepancy in plot no. of the mining lease i.e., Plot no. 250 is mentioned in DSR whereas plot no. 176 is mentioned in Mining Plan. EC may be granted subject to condition that the applicant shall ensure correction of appropriate document before issue of Mining lease.
3. The proposal was placed in 159th SEIAA meeting held on 04.03.2024 & 06.03.2024. After detailed deliberation in the matter, the Authority decide that the PP is required to submit clarification from concerned lease granting Authority about the discrepancy in plot no. of the mining lease i.e., Plot no. 250 is mentioned in DSR whereas plot no. 176 is mentioned in Mining Plan. Also, clarification from Mining Officer about the Mining Plan approval by different Authority in different date. The PP required submit earlier EC copy and its compliance. Accordingly, ADS raised by SEIAA, Odisha to PP on 13/03/2024.
4. Now, the Mining Officer, Kalahandi vide his letter no. 540 dt. 18.03.2024 but the clarification is not as per our ADS.

Decision of Authority: ADS

After detailed deliberation in the matter the Authority decided to seek clarification from Joint Director of Geology, Zonal Survey, Balangir on the discrepancy in Plot no. mentioned in the DSR and Mining Plan.


Member Secretary, SAIA

APPROVED BY

Member, SAIA


Chairman, SAIA

PARIVESH 2.0, AGENDA No.161.13	
Proposal No.	SIA/OR/MIN/456990/2023
Date of application	28.12.2023
File no.	456990/14-MINB2/12-2023
Project Type	Expansion EC proposal
Category	B2
Project/Activity including Schedule No.	I(a) Mining of minerals
Name of the Project	Proposal for EC of Salebhata Sand Quarry over an area of 12.00 Acres or 4.856 Hectares in village Salebhata under Agalpur tahasil of Balangir district.
Name of the company/Organization	Sri Umesh Mahakur
Location of Project	village Salebhata under Agalpur tahasil of Balangir district
ToR Date	N/A
Name of the Consultant	N/A

1. **Proposal in brief:** The highlights of the proposal as ascertained from the application and as revealed from proceedings/discussion held during the meeting of SEAC/SEIAA, are given as under.
- i) This is a proposal for mining of sand from Salebhata Sand Quarry over an area of 12.00 Acres or 4.856 Hectares in village Salebhata under Agalpur tahasil of Balangir district.
 - ii) The mining area is a part of Survey of India Toposheet No. F44X9 and is bounded between the Latitude - 20° 58' 56.10" N to 20° 58' 48.09" N and longitudes of of 83° 32' 12.54" E to 83° 32' 21.10" E
 - iii) The mining lease is an identified sairat source in the DSR. The Salebhata Sand Quarry sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Agalpur to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
 - iv) Documents submitted: -Form-I, PFR, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, topo map etc.
 - v) Whether submitted KML file of the lease area-Yes
 - vi) Whether submitted scrutiny fee-Yes of Rs. 2000/- vide e Challan Reference Id no. 35D64357D) dt. 28.12.2023
 - vii) Distance from nearest sanctuary/ESZ- Sunaboda WLS-123.0Km
 - viii) Whether the lease area coming in DLC report-No as certified by Mining Officer vide letter no. 850 dt. 20.12.2023.
 - ix) Whether the lease area reflecting in DSR-Yes
 - x) Method of mining-Manual
 - xi) River-Orig, Depth of Sand deposition-2.0
 - xii) Distance from nearest road bridge-0.65 km, village road -0.7km
 - xiii) Whether it is part of cluster - No
 - xiv) Whether EC obtained earlier-Yes from SEIAA, Odisha vide letter no. EC25B001OR129237 dt. 31.05.2023 for extraction 3000 cum of sand from the source for 1st year with depth of sand deposition 0.7cum. Now, the PP increasing production capacity from from 3000 cum to 15000 cum with depth of sand deposition 2.0 meter.
 - xv) Date of approval of mining plan- the Joint Director, Geology, Zonal Survey, Balangir vide letter no.461 dt.26.05.2022
 - xvi) Production capacity per annum-15000 cum/annum (max.); total production in 5 years period- 75000 cum, Geological reserve-97124 cum and Mineable reserve-83432 cum

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- xvii) Whether the DSR has been prepared as per the MoEF & CC, Govt. of India Notification S.O. 3611(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020- No
- xviii) The FMP budget provision of Rs. 1.95 Lakh (Capital cost) & Rs. 39,000/- (Recurring Cost)
- xix) Any deficiencies/omission have been noticed in the above documents- EC compliance report is not satisfactory.
2. Whether SEAC recommended the proposal – The proposal was placed in SEAC meeting held 30.01.2024 and the SEAC decided to recommend the proposal for EC for **15000 cum/ year** as per the replenishment study report. The PP has submitted replenishment study report showing 58518.7922cum sand available to excavate sand as per approved capacity.
3. The proposal was placed in 157th SEIAA meeting held on 22.02.2024. The Authority observed that the PP has obtained EC from SEIAA, Odisha vide letter no. EC/336001OR/129237 dt. 31.05.2023 for extraction 3000 cum of sand from the source for 1st year with depth of sand deposition 0.7cum. Now, the PP increasing production capacity from 3000 cum to 15000 cum with depth of sand deposition 2.0 meter. The PP has not submitted earlier EC compliance and transfer of EC conditions. Authority also observed that the FMP budget of Rs.1.95 Lakh (Capital cost) Rs. 0.39 Lakh (Recurring Cost) is not adequate to address the environmental issues. After detailed deliberation in the matter, the Authority decided that the PP is required to submit revised EIA & FMP and the reason of applying fresh EC application instead of expansion of EC proposal. Accordingly, ADS was raised by SEIAA, Odisha on
4. The PP has submitted ADS reply with submitting revised FMP budget provision of Rs. 2.40 Lakh (capital Cost) & Rs. 0.85 Lakh (Recurring Cost). The PP has submitted earlier EC compliance with mentioned that amount provision for plantation is not submitted to District Environmental Society as the concerned DFO is not accepting the said amount. The PP also mentioned that as production capacity increases 3000 cum to 15000 cum hence, application applied for fresh instead of expansion of EC proposal.

Decision Of Authority: Approved

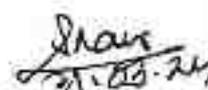
After detailed deliberations in the matter, the Authority decided to **grant Environmental Clearance** with usual stipulated conditions as applicable for sand quarry.

- Maximum depth of mining 2.0 meter and maximum quantity of extraction shall be limited to **15000 cum/annum** for rest of the year i.e. 2nd year, 3rd year, 4th year & 5th year from the date of issue of EC.
- The PP shall carryout the ARRS study in subsequent year through an NABET or ORSAC empanelled agency and submit to SEIAA, Odisha.
- The validity of EC is for 1st year and 2nd year or validity of DSR or validity of lease period whichever is earlier.
- The Grant of EC for further period will be considered after submission of approved DSR by SEIAA as per the MoEF & CC, Govt. of India Notification S.O. 3611(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020 and also as per the Hon'ble Supreme Court order vide its order dated 10.11.2021 in Civil Appeal Nos. 3661-3662 of 2020 (State of Bihar Vrs. Pawan Kumar and Others).
- The Project Proponent (lease holder) shall deposit Rs.2,50,000/-, with the respective District Environment Society for raising 500 plants (minimum @100 trees per Ha) of native species within 2 years in a suitable location adjoining to quarry.
- The PP will implement the FMP with a budgetary allocation of Rs. 1.95 Lakh (Capital cost) & Rs. 39,000/- (Recurring Cost).

APPROVED BY


Member Secretary, SAIA


Member, SAIA


Chairman, SAIA

Minutes of 161st Meeting of SEIAA, Odisha held on 20.03.2024 & 21.03.2024

PARIVESH 2.0, AGENDA No.161.14	
Proposal No.	SIA/OR/MIN/457080/2023
Date of application	29.12.2023
File no.	457080/16-MINB2/12-2023
Project Type	Expansion EC proposal
Category	B2
Project/Activity including Schedule No.	U(a) Mining of minerals
Name of the Project	Proposal for EC of Chahagaon Sand Quarry over an area of 3.00 Acres or 1.214 Hectares in village Chahagaon under Kalahandi tahasil of Kalahandi district.
Name of the company/Organization	Sri Jugal Pod
Location of Project	village Chahagaon under Kalahandi tahasil of Kalahandi district.
ToR Date	N/A
Name of the Consultant	N/A

1. **Proposal in brief:** The highlights of the proposal as ascertained from the application and as revealed from proceedings/discussion held during the meeting of SEAC/SEIAA, are given as under:

- i) This is a proposal for mining of sand from Chahagaon Sand Quarry over an area of 3.00 Acres or 1.214 Hectares in village Chahagaon under Kalahandi tahasil of Kalahandi district.
- ii) The mining area is a part of Survey of India Toposheet No144X4(64P/4) and is bounded between the Latitude - 20° 7' 17.668" N to 20° 7' 14.309" N and longitudes of 83° 4' 23" E to 83° 4' 20" E.
- iii) The mining lease is an identified sairat source in the DSR. The Chahagaon Sand Quarry sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Kalahandi to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- iv) Documents submitted: -Form-1, PFR, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, topo map etc.
- v) Whether submitted KME file of the lease area-Yes
- vi) Whether submitted scrutiny fee-Yes of Rs. 2000/- vide e-Challan Reference Id no. 35106533316 dt. 29.12.2023
- vii) Distance from nearest sanctuary/ESZ- Karlapat WLS-49.9 Km
- viii) Whether the lease area coming in DIC report-No as certified by Mining Officer vide letter no. 850 dt. 20.12.2023.
- ix) Whether the lease area reflecting in DSR-Yes
- x) Method of mining-Manual
- xi) River-Tel, Depth of Sand deposition-3.0
- xii) Distance from nearest road bridge-16.3 km, village road -1.26 km
- xiii) Whether it is part of cluster -No
- xiv) Whether EC obtained earlier-Yes from SEIAA, Odisha vide letter no. 737/SEIAA dt. 26.02.2021 for extraction 964 cum of sand from the source for 1st year with depth of sand deposition 0.7cum. Now, the PP increasing production capacity from from 964 cum to 8142 cum with depth of sand deposition 3.0 meter.
- xv) Date of approval of mining plan- the Joint Director, Geology, Zonal Survey, Balangir vide letter no.614 dt.29.06.2022
- xvi) Production capacity per annum-8142 cum/annum (max.), total production in 5-years period-32000 cum, Geological reserve -36420 cum and Mineable reserve-27141 cum.

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- xvii) Whether the DSR has been prepared as per the MoEF& CC, Govt. of India Notification S.O. 3611(F) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020- No
- xviii) The PP has submitted ARRS report by AREAL CONSTRUCTIONS & GEO -INDIA SERVICES (A CONSTRUCTION & GIS BASED CONSULTANCY) (ORSAC Empanelment Agencies). In the ARRS report it is mentioned that Pre-Monsoon Standard Elevation = 188.4347 & Post-Monsoon Standard Elevation = 189.9491, quantity of sand replenished 16487 cum and proposed production is 9892 cum (i.e. 60% of the 16487 cum)
- xix) The EMP budget provision of Rs. 2.0 Lakh (Capital cost) & Rs. 40,000/- (Recurring Cost)
- xx) Any deficiencies/omission have been noticed in the above documents- Not submit earlier EC compliance and transfer of EC conditions.

2. Whether SEAC recommended the proposal - The proposal was placed in SEAC meeting held 30.01.2024 and the SEAC decided to recommend the proposal for EC for **8142.3 cum/ year for remaining four years.**
3. The proposal was placed in 157th SEIAA meeting held on 22.02.2024. The Authority observed that the PP has obtained EC from SEIAA, Odisha vide letter no. 737/SEIAA dt. 26.02.2021 for extraction 964 cum of sand from the source for 1st year with depth of extraction as 0.7cum. Now, the PP proposed to increase the production capacity from 964 cum to 8142 cum with depth of extraction 3.0 meter.

The PP has neither submitted the approved modified mining plan nor the earlier EC compliance report. Authority also observed the EMP budget of Rs. 2.0 Lakh (Capital cost) Rs. 0.40 Lakh (Recurring Cost) is not adequate to address the environmental issues.

After detailed deliberation in the matter, the Authority decided that the PP is required to submit earlier EC copy and its compliance. Modified approved mining plan and the reason of applying fresh EC application instead of Expansion of EC proposal. Also the PP shall submit the revised EMP report through SEIAA mail and upload the ARRS report in Parivesh portal.

4. The PP has submitted ADS reply with submitting revised EMP budget provision of Rs. 2.40 Lakh (Capital Cost) & Rs. 0.95 Lakh (Recurring Cost). The PP has submitted modified mining plan, ARRS report, earlier EC and its compliance. The PP also mentioned that as production capacity increases 3000 cum to 15000 cum hence, application applied for fresh instead of expansion of EC proposal.

Decision Of Authority: Approved

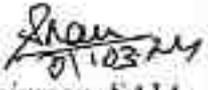
After detailed deliberations in the matter, the Authority decided to grant **Environmental Clearance** with usual stipulated conditions as applicable for sand quarry.

- Maximum depth of mining 2.0 meter and maximum quantity of extraction shall be limited to **8142.3 cum/annum** for rest of the year i.e. 2nd year, 3rd year, 4th year & 5th year from the date of issue of EC.
- The PP shall carryout the ARRS study in subsequent year through an NABET or ORSAC empanelled agency and submit to SEIAA, Odisha.
- The validity of EC is for 1st year and 2nd year or validity of DSR or validity of lease period whichever is earlier.
- The Grant of EC for further period will be considered after submission of approved DSR by SEIAA as per the MoEF& CC, Govt. of India Notification S.O. 3611(F) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020 and also as per the Hon'ble Supreme Court order vide its order dated 10.11.2021 in Civil Appeal Nos. 3661-3662 of 2020 (State of Bihar Vrs. Pawan Kumar and Others).
- The Project Proponent (lease holder) shall deposit Rs.1,00,000/-, with the respective District Environment Society for raising 200 plants (minimum @100 trees per Ha) of native species within 2 years in a suitable location adjoining to quarry.
- The PP will implement the EMP with a budgetary allocation of Rs. 2.0 Lakh (Capital cost) & Rs. 40,000/- (Recurring Cost).


Member Secretary, SAIA

APPROVED BY

Member, SAIA


Chairman, SAIA

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PARIVESH 2.0, AGENDA No.161.15	
Proposal No.	SIA/OR/MIN/464817/2024
Date of application	05.03.2024
State file no.	SEIAA-853/11-2020
Project Type	Transfer of EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for transfer of EC of Burdipada Stone Quarry-C over an Area of 4.00 Acres or 1.618 Hectares in Village Burdipada under Titlagarh Tahasil of Balangir District.
Name of the company/Organization	Sri Mishra Pradhani, S/o- Muralla Pradhani At/Po-Sirol.Ps-Titlagarh, Balangir
Location of Project	Village Burdipada under Titlagarh Tahasil of Balangir District.

Proposal in brief:

The highlights of the proposal as ascertained from the application and as revealed from proceedings/discussion held during the meeting of SEIAA, are given as under.

- (i) This is a proposal Transfer of EC of Burdipada Stone Quarry-C over an Area of 4.00 Acres or 1.618 Hectares in Village Burdipada under Titlagarh Tahasil of Balangir District.
- (ii) Documents submitted: Application in Form-7, earlier EC copy, forwarding letter and scrutiny of Rs. 1000/- vide e-Challan Ref. No. 35C/864823 dated 14.11.2023
- (iii) The EC of Burdipada Stone Quarry-C over an Area of 4.00 Acres or 1.618 Hectares in Village Burdipada under Titlagarh Tahasil of Balangir District was in favour of Tahasildar, Titlagarh vide SEIAA letter no./Identification No. 381/SEIAA dt. 05.02.2021
- (iv) Present status of quarry- **Operated**
- (v) Whether submitted KMI. file-Yes
- (vi) The project proponent applied proposal for transfer of EC from the name Tahasildar, Titlagarh to Sri Mishra Pradhani, (highest bidder/lessee) with attaching Tahasildar forwarding letter vide letter no. 3237 dated 15.11.2022
- (vii) Any deficiencies/omission have been noticed in the above documents- Nil

Whether SPAC recommended the proposal – N/A

Decision of Authority: Approved

After detailed deliberation, the Authority **allowed the transfer of EC** in favour of successful bidder/lessee for Burdipada Stone Quarry-C. The new lessee shall comply EC conditions issued earlier vide letter no. 381/SEIAA dt. 05.02.2021 with the following additional conditions within 6(six) months:

- a) Boundary Demarcation: - The boundary of the lease area shall be demarcated on ground at the project cost, by erecting 1.20 meter (4 feet approx.) high reinforced concrete pillars above ground, each inscribed with its serial number, distance from pillar to pillar and GPS co-ordinates by any empanelled agency of ORSAC.
- b) Digital Map: -A digital map (in KMI. format as well as PDF version) showing GPS coordinates of all boundary pillars duly countersigned by the concerned lease granting Authority Tahasildar/Mining Officer shall be submitted to SEIAA, Odisha through email at info.seiaaodisha@gmail.com.

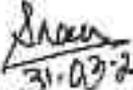
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- e) Intimation of EC: -The copies of the PC shall be sent to the Sarpanch (s) of the concerned Gram Panchayat (s), Urban Local Bodies and relevant other Offices of the Government with a request to display the same for 30 days from the date of receipt.
- f) Tree Plantation:-Compensatory Tree Planting (CTP) shall be carried out with minimum @100 trees per Ha. of lease area as per the approved cost norm for avenue plantations of the State Forest Department. The Project Proponent (lease holder) shall deposit Rs 1,00,000/- with the respective District Environment Society for raising 200 plants of native species within 2 years in a suitable location adjoining to quarry.
- g) State EMF Fund: - An amount equal to five percent (5%) of the royalty payable shall be collected from the lessee by the lease granting authority Tahasildar/Mining Officer and deposited to the State Environment Management Fund, which will be utilized as per provisions of Rule 49(3) of the OMMC Rule, 2016 preferably, in and around the areas where mining activities are undertaken.


Member Secretary, SAIA

APPROVED BY


Member, SAIA


31.03.24
Chairman, SAIA

Minutes of 161st Meeting of SEIAA, Odisha held on 20.03.2024 & 21.03.2024

PARIVESH 2.0, AGENDA No.161.16	
Proposal No.	SLA/OR/MIN/465473/2024
Date of application	08.01.2024
State file no.	SEIAA-730/10-2020
Project Type	Transfer of EC
Category	B2
Project/Activity including Schedule No.	I(a) Mining of minerals
Name of the Project	Proposal for transfer of EC of Chatahandi Sand Quarry over an area 10.75Ac. or 4.35Ha. in Chatahandi village under Nabarangpur tahasil of Nabarangpur district Odisha.
Name of the company/Organization	Sri Sidheswar Panigrahi, S/o- K.Chandra Panigrahi, At-Badam Street, Po/Dist-Nabarangpur
Location of Project	Chatahandi village under Nabarangpur tahasil of Nabarangpur district Odisha.

Proposal in brief:

- (i) The highlights of the proposal as ascertained from the application and as revealed from proceedings/discussion held during the meeting of SEIAA, are given as under:
- (ii) This is a proposal Transfer of EC of Chatahandi Sand Quarry over an area 10.75Ac. or 4.35Ha. in Chatahandi village under Nabarangpur tahasil of Nabarangpur district Odisha.
- (iii) Documents submitted: Application in Form-7, earlier EC copy, forwarding letter and scrutiny of Rs. 2000/- vide e-Challan Ref. No. 3505055A4A dated 20.12.2023
- (iv) The EC of Chatahandi Sand Quarry over an area 10.75Ac. or 4.35Ha. in Chatahandi village under Nabarangpur tahasil of Nabarangpur district Odisha was in favour of Tahasildar, Narasinghpur vide SEIAA letter no./Identification No. 1528/SEIAA dt. 30.06.2021
- (v) Present status of quarry - **Operated**
- (vi) Whether submitted KML file-Yes
- (vii) The project proponent applied proposal for transfer of EC from the name Tahasildar, Narasinghpur to Sri Sidheswar Panigrahi, (highest bidder/lessee) with attaching Tahasildar forwarding letter vide letter no. 3344 dated 30.09.2023
- (viii) Any deficiencies/omission have been noticed in the above documents- Not submitted ARRS report. In the KML file it is appear that mining activities occurred outside the lease area and a newly bridge is under construction stage.

Whether SEAC recommended the proposal N/A

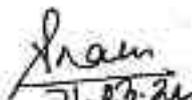
Decision of Authority: ADS

After detailed deliberation in the matter the Authority, decided that the PP is required to submit the NOC from the authority constructing the Bridge nearby the proposed sand quarry and also the PP is required to mentioned the quantity of sand extracted sofar from the source after obtaining EC letter no. 1528/SEIAA dt. 30.06.2021.


Member Secretary, SAIA

APPROVED BY

Member, SAIA


Chairman, SAIA

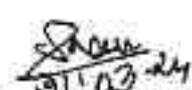
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PARIVESH 2.0, AGENDA No.16117	
Proposal No.	SIA/OR/MIN/465969/2024
Date of application	14.03.2024
State file no.	SEIAA-416/08-2020
Project Type	Transfer of EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for transfer of EC of Ghatarla Sand Bed over an area of 12.355 Acres Or 5.00 Hectares bearing Khata no.- 284 and Plot no.- 417 in Village Ghatarla, Tahasil Kotpad, District Koraput, Odisha.
Name of the company/Organization	Sri Prasant Patnaik
Location of Project	Village Ghatarla, Tahasil Kotpad, District Koraput, Odisha
Proposal in brief:	
(i)	The highlights of the proposal as ascertained from the application and as revealed from proceedings/discussion held during the meeting of SEIAA, are given as under.
(ii)	This is a proposal Transfer of EC of Ghatarla Sand Bed over an area of 12.355 Acres Or 5.00 Hectares bearing Khata no.- 284 and Plot no.- 417 in Village Ghatarla, Tahasil Kotpad, District Koraput, Odisha.
(iii)	Documents submitted: Application in Form-7, earlier EC copy, forwarding letter and scrutiny of Rs. 2000/- vide e-Challan Ref. No. 35/05058A4A dated 20.12.2023
(iv)	The EC of Ghatarla Sand Bed over an area of 12.355 Acres Or 5.00 Hectares bearing Khata no.- 284 and Plot no.- 417 in Village Ghatarla, Tahasil Kotpad, District Koraput, Odisha was in favour of Tahasildar, Kotpad vide SEIAA letter no./identification No. 9600/SEIAA dt. 04.11.2020.
(v)	Present status of quarry - Operated
(vi)	Whether submitted KMI file-Yes
(vii)	The project proponent applied proposal for transfer of EC from the name Tahasildar, Kotpad to Sri Prasant Patnaik, (highest bidder/lessee) with attaching Tahasildar forwarding letter vide letter no. 3344 dated 30.09.2023
(viii)	Any deficiencies/omission have been noticed in the above documents- Not submitted ARRS report.
Whether SEAC recommended the proposal – N/A	
Decision of Authority: ADS	
After detailed deliberation in the matter, the Authority decided that the PP is required to mentioned the quantity of sand extracted so far from the source after obtaining EC letter no. 9600/SEIAA dt. 04.11.2020.	


Member Secretary, SAIA

APPROVED BY

Member, SAIA


21.03.24
Chairman, SAIA

Minutes of 161st Meeting of SEIAA, Odisha held on 20.03.2024 & 21.03.2024

PARIYESH 2.0, AGENDA No.161.18	
Proposal No.	SLA/OR/MIN/465101/2024
Date of application	06.03.2024
State file no.	EC22B001OR126189
Project Type	Transfer of EC
Category	B1
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for transfer of EC proposal of enhancement in production capacity from 80,000 Tonne/annum to 3,00,135 tonne/annum of iron ore with Opencast Semi-mechanized Mining Method over Nayagarh Iron Ore Mines (ML area 24.570 ha) of Sri K.C Pradhan at village Naygarh, Dist: Keonjhar, Odisha from K.C. Pradhan to KCP Iron Pvt Ltd.
Name of the company/Organization	KCP Iron Private Limited Sidharth Pradhan (Managing Director) Flat 201, Archid Manoranjan Plot 1267, Road 8, Unit-9, BRSR
Location of Project	village Naygarh, Dist: Keonjhar, Odisha
Proposal in brief:	
(i)	The highlights of the proposal as ascertained from the application and as revealed from proceedings/discussion held during the meeting of SEIAA, are given as under.
(ii)	This is a proposal Transfer of EC of enhancement in production capacity from 80,000 Tonne/annum to 3,00,135 tonne/annum of iron ore with Opencast Semi-mechanized Mining Method over Nayagarh Iron Ore Mines (ML area 24.570 ha) of Sri K.C Pradhan at village Naygarh, Dist: Keonjhar, Odisha.
(iii)	Documents submitted: Application in Form-7, earlier EC copy, forwarding letter.
(iv)	The EC of enhancement in production capacity from 80,000 Tonnes/annum to 3,00,135 tonne/annum of iron ore with Opencast Semi-mechanized Mining Method over Nayagarh Iron Ore Mines (ML area 24.570 ha) of Sri K.C Pradhan at village Naygarh, Dist: Keonjhar, Odisha was in favour of Tahasildar, Kotpad vide SEIAA letter no./Identification No. EC22B001OR126189 dt. 22.09.2022.
(v)	Present status of quarry- Operated
(vi)	Whether submitted KML file- Yes
(vii)	The PP has submitted CTO vide letter no. 23724 dt. 21.12.2022.
(viii)	The Govt. of Odisha Steel & Mines Department vide letter no. 855 dt. 29.01.2024 has allowed transfer of EC of Sri K.C. Pradhan (Transferor) in favour of KCP Iron Pvt. Ltd. (Transferee).
(ix)	The project proponent applied proposal for transfer of EC from the name K.C. Pradhan to KCP Iron Pvt Ltd. with attaching Tahasildar forwarding letter vide letter no. 3344 dated 30.09.2023
(x)	Any deficiencies/omission have been noticed in the above documents- Nil
Whether SEAC recommended the proposal – N/A	
<u>Decision of Authority: Approved</u>	

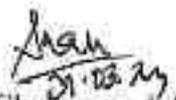
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After detailed deliberation in the matter the Authority, decided to allowed transfer of EC from the name Sri K.C. Pradhan (Transferor) to KCP Iron Pvt. Ltd. (Transferee) with same terms and conditions issued for EC Identification No. EC22B001OR126189 dt. 22.09.2022.


Member Secretary, SAIA

APPROVED BY


Member, SAIA


Chairman, SAIA

Minutes of 161st Meeting of SEIAA, Odisha held on 20.03.2024 & 21.03.2024

PARIVESH 2.0, AGENDA No.161.19	
Proposal No.	SIA/OR/MTN/462345/2024
Date of application	05.03.2024
File no.	-
Project Type	New proposal for EC
Category	B1
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for EC of Kanaka Sand Bed over an area of 77.123 acres or 31.211 Ha. (Under cluster approach) at village-Kanaka, Tahasil- Purushottampur, Dist.-Ganjam, Odisha Lessee of Sri Krupasindhu Muduli
Name of the company/Organization	Sri Krupasindhu Muduli
Location of Project	village-Kanaka, Tahasil- Purushottampur, Dist. Ganjam, Odisha
ToR Date	02.09.2022
Name of the Consultant	M/s P and M Solution, Noida

Proposal in brief: The highlights of the proposal as ascertained from the application and as revealed from proceedings/discussion held during the meeting of SEAC/SEIAA, are given as under:

1. This proposal is for Environmental Clearance for Kanaka Sand Bed over an area of 31.211 ha. (Submitted under cluster approach with total lease area of **35.43 ha.**) in village Kanaka, Tehsil Purushottampur, District Ganjam of Sri Krupasindhu Muduli.
2. **Category:** As Per EIA Notification, 2006 and subsequent amendments the project falls under Category B1 under Schedule of item of 1(a) - Mining of Minerals.
3. The Mining Lease has been granted vide letter no 1635 date 04/05/2022. The Successful Bidder is Sri Krupasindhu Muduli, S/o- Sri Jhuriya Muduli, A- Ramakrushna Nagar, 2nd Lane, Lochapada, Berhampur.
4. The Mining plan has been approved by the Deputy Director Geology, O/o The Joint Director of Geology (S.Z) on dated 29.03.2022.
5. The present proposal is a new mine shown as an identified source in the DSR of the Ganjam district. Sl No 01, Page No 63.
6. The Terms of Reference (TOR) has been granted by SEIAA, Odisha vide letter No: 5348/SEIAA Dated 02.09.2022.
7. **Location and connectivity:** The mine lease area is located in Village - Kanaka, Tahasil- Purushottampur, District - Ganjam, Odisha; is on Khata no- 472, Plot no- 865, 865/1012 & 785/1013 of Rushikulya river. The lease area is covered in the Survey of India Topo Sheet No - 74A/14 & 74A/15 and geo coordinates are Latitudes -19°30'10.47" N to 19°30'25.53" N and Longitudes 84°51'09.09" E to 84°52'07.06" E. The Kisan of land is Nadi. The Nearest National Highway is NH-16 which is at a distance of approx 21.65 km in East direction. The Nearest State Highway is SH-32 which is at a distance of approx 1.40 km in East direction. The Nearest distance of approach road is 0.26 Km. The Nearest Airport is Biju Patnaik International Airport which is at a distance of approx 130.50 km towards NE direction. The Nearest Reserve Forest is Taratarini RF which is at a distance of 4.50 Km in ESE direction, Krishnagiri Reserve Forest approx. 9.90 Km in NE. Ashuri Reserve Forest, approx. 7.70 Km in NNW. The Nearest Road Bridge is within the mining lease. The Nearest Rail Bridge is Ganjam Railway Bridge at a distance of 21.00 Km. The Nearest River Embankment is at a distance of 0.20 Km from the lease boundary. The Nearest electric transmission line is running within the mining lease.
8. **Public hearing** was conducted on 06.01.2023 at Kanaka village, under Purushottampur Tahasil of Ganjam District, Odisha. Issues raised during public hearing are accidents due to sand transportation through village.

roads, transporting trucks shall be properly covered with tarpaulin to avoid spillage, water sprinkling for dust suppression, protection of Environment. Mining of sand shall be restricted in submerged or water flow area to avoid water pollution and deposit of silts leading to growth of shrubs at river bed. Budget allocated for Corporate Environmental Responsibility (CER) of Proposed Kanaka Sand Bed is Rs.160000 and for cluster is Rs.180000 and Budget for Environmental Protection of Proposed Kanaka Sand Bed is Rs.659000 as capital cost and Rs. 383000 as recurring cost. Budget for Environmental Protection for cluster is Rs.778400 as capital cost and Rs. 666000 as recurring cost.

9. **Total reserves, production and Method of Mining:** The total Geological reserves is 364525cum and Mineable Reserves is 247575 cum and the Proposed Production of the Project is 1,00,400 cum/year. The Method of Mining will be opencast Manual Method. Extraction and loading into truck & Tractor will be done by manual means. The transportation from Sand Quarry site to destination shall be achieved by dumper/tractor. The Proposed depth of mining is 2.5 Metres as per approved mining plan.

Year	Vol. of Sand in (m ³)
1 st	100400
2 nd	100400
3 rd	100400
4 th	100400
5 th	100400
TOTAL	502000

10. **Replenishment study:** The Replenishment study was done during Pre- and Post-Monsoon Period (Nov 2022 & May 2022) by LAV/Drone survey (volumetric survey) method. After the Replenishment study it was found that 31,153.65 cum of sand have been proposed to be replenished annually.
11. **Baseline study:** Baseline Study conducted during March, 2022 to May, 2022.

a) **AIR ENVIRONMENT**

Ambient Air Quality Monitoring reveals that the minimum & maximum concentrations of PM10 for all the 8 AQ monitoring stations were found to be 51.59 µg/m³ at AQ7 and 94.69 µg/m³ at AQ1, respectively. The minimum & maximum concentrations of PM2.5 were found to be 22.65 µg/m³ at AQ4 and 56.05 µg/m³ at AQ1, respectively.

As far as the gaseous pollutants SO₂ and NO_x are concerned, the prescribed CPCB limit of 80µg/m³ for residential and rural areas has never surpassed at any station. The minimum & maximum concentrations of SO₂ were found to be 5.36 µg/m³ at AQ4 & 26.12 µg/m³ at AQ1, respectively. The minimum & maximum concentrations of NO_x were found to be 10.01 µg/m³ at AQ7 & 34.88 µg/m³ at AQ1, respectively.

b) **WATER ENVIRONMENT**

➤ **Ground water:** Analysis results of ground water reveal the following:-

- pH varies from 7.16 at GW3 to 7.81 at GW4 during study period.
- Total hardness varies from 112 mg/l at GW2 to 161 mg/l at GW1 during study period.
- Total dissolved solids vary from 269 mg/l at GW5 to 344 mg/l at GW1 during study period.

➤ **Surface water**

- The analysis results indicate that the pH ranges between 7.32 and 7.58.
- Dissolved Oxygen (DO) was observed in the range of 6.2 to 7.1 mg/l against the minimum requirement of 4 mg/l.
- BOD values were observed to be in the range of 10-12 mg/l.
- The chlorides and Sulphates were found to be in the range.
- Based on the results it is evident that most of the parameters of the samples comply with 'Category 'B' standards of CPCB indicating their suitability for Drinking water source after conventional treatment and disinfection.

c) NOISE ENVIRONMENT

Noise monitoring reveals that the maximum & minimum noise levels at day time were recorded as 59.1 Leq. dB (A) at NQ2 & 48.6 Leq. dB (A) at NQ4, respectively. The maximum & minimum noise levels at night time were found to be 43.6 dB (A) at NQ7 & 38.2 dB (A) at NQ3. There are several other sources in the 10 km radius of study area, which contributes to the local noise level of the area. Traffic activities as well as activities in nearby villages and agricultural fields add to the ambient noise level of the area.

d) SOIL ENVIRONMENT

Samples collected from identified locations indicate the soil is sandy type and the pH value ranging from 6.56 to 6.98, which shows that the soil is alkaline in nature. Potassium is found to be from 50.8 mg/kg to 259.0 mg/kg. The water holding capacity is found in between 22.0 % to 28.8%.

12. **Water requirement:** Total Water Requirement is 7.97 – 8.0 KLD for the Proposed Project and 9.14 – 9.0 KLD for the Cluster Area.
13. **Greenbelt:** 3120 Plants are proposed to be planted for the Proposed Site.
14. **Manpower:** 89 nos of Manpower for the Proposed Project & 145 Manpower for the Cluster Area is required for the proposed project.
15. **Project cost:** Estimated cost of the proposed Project is Rs 80 Lakhs. EMP Cost includes Capital cost of 6.59 Lakhs and Recurring cost of 3.83 Lakhs. For Cluster Area EMP Cost includes Capital cost of Rs 7.784 Lakhs and Recurring cost of 6.66 Lakhs.

Sl. No.	Measures	Capital Cost (In Rs.)	Recurring Cost (In Rs.)
i)	Pollution Control Dust Suppression /Water Sprinkling	–	1,00,000
ii)	Pollution Monitoring i) Air pollution ii) Water pollution iii) Soil Pollution iv) Noise Pollution	–	50,000 40,000 20,000 10,000
iii)	Green belt development	6,24,000	1,00,000
iv)	Maintenance of haul road	35,000	63,000
Total		6,59,000	3,83,000

For cluster

Sl. No.	Measures	Capital Cost (In Rs.)	Recurring Cost (In Rs.)
i)	Pollution Control Dust Suppression /Water Sprinkling	–	2,00,000
ii)	Pollution Monitoring i) Air pollution ii) Water pollution iii) Soil Pollution iv) Noise Pollution	–	1,00,000 80,000 40,000 20,000
iii)	Green belt development	7,08,400	1,00,000
iv)	Maintenance of haul road	70,000	1,26,000
Total		7,78,400	6,66,000

1. **Environment Consultant:** The Environment consultant M/s P and M Solution, Noida along with the proponent made a presentation on the proposal before the Committee.
2. The SEAC in its meeting held on dated on **22-09-2023** decided to take the decision on the proposal after receipt of the following from the proponent. The proponent has furnished the compliance and the SEAC verified the same as follows:

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Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of SEAC
1.	Nearest electric transmission line is running within the mining lease. Thus, submit details and dimension of Electric high transmission tower line.	The location detail and detail dimension of Electric HF line has submitted for your reference as Annexure-I .	-
2.	Submit actual area after excluding area from no mining zone for Bridge, electric transmission line and water channel present in lease area.	Area under no mining zone – 13.6981Ha. Area under water channels - 8.6301Ha. Actual area available for mining – 8.8831Ha. The total lease area of the proposed quarry is 31.211 Ha. The common safest workable area for mining during Replenishment Study is 5.743 Ha.	-
3.	Submit separate EMP budget for each quarry in the cluster for both Kanaka Sand Bed and Bhimpur Sand Bed.	The separate EMP budget for each quarry in the cluster for both Kanaka Sand Bed and Bhimpur Sand Bed has submitted for your reference as Annexure-II .	submitted.

Considering the information / documents furnished by the proponent and presentation made by the consultant **M/s P & M Solution, Noida** on behalf of the proponent.

- i) **Whether SEAC recommended the proposal** – The proposal was placed in SEAC meeting held on 28.12.2023 and the SEAC approved the EIA/EMP report in cluster approach and recommended the following:
 - ii) The SEIAA, Odisha may consider to grant Environmental Clearance to individual lease for Kanaka Sand Bed (under cluster approach) without referring to SEAC with stipulated conditions as per **Annexure – G** after receipt of individual applications from the lessee in cluster along with following documents.
 - iii) Filled in form-I of individual lease
 - iv) Feasibility report of individual lease
 - v) EMP of individual lease.
 - vi) Approved Mining Plan of individual lease.
 - vii) Previous production details of individual lease duly certified by Tahasildar.
 - viii) Replenishment Study Report of individual lease.
 - ix) Following specific conditions may be stipulated in individual Environmental Clearance.
 - x) Amended EIA Notification dated 25th July, 2018, Guidelines for sustainable sand mining, 2016 and Enforcement and Monitoring Guidelines for Sand Mining, January 2020 of MoEF&CC, Govt. of India shall be adhered to in execution of Mining as per **Annexure – H**.
 - xi) Sand extraction shall be limited to quantity and depth as per replenishment study report, Regular replenishment study as per guidelines to be conducted and report to be submitted.
 - xii) Provision of Bio-toilet shall be made at the site.
 - xiii) 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.
 - xiv) Stone patching with plantation in between along the stretch of the bank associated with sand mining and necessary ramp construction shall be made.
 - xv) The proposal was placed in 153rd SEIAA meeting held on 03.02.2024. After detailed deliberations, the Authority approved the cluster EIA & EMP report as per SEAC

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recommendation. The PP is required to submit individual applications with following documents:

- xvi) Filled in form-I of individual lease
- xvii) Prefeasibility report of individual lease
- xviii) EMP of individual lease.(Cluster EMP of Rs. 6.59 Lakh(Capital Cost) and Rs. 3.83 Lakh(Recurring Cost, CER Cost is Rs. 1.8 Lakh))
- xix) Approved Mining Plan of individual lease.
- xx) Previous production details of individual lease duly certified by Tahasildar.
- xxi) Replenishment Study Report of individual lease.

Accordingly, cluster EIA & EMP report approved by SEIAA on 07.02.2024.

- xxii) Now, the PP has submitted individual EC application with required documents.
- xxiii) The mining area is a part of Survey of India Toposheet No. 74A/14 & 74A/15 and is bounded between the Latitude - 19° 30' 10.47" N to 19° 30' 75.53" N and Longitude - 84° 51' 09.09" E to 84° 52' 07.06" E.
- xxiv) The mining lease is an identified sairat source in the DSR. The Kanaka Sand Bed sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Purushottampur to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- xxv) Documents submitted: -Form-1, PFR, checklist, EMP, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, topo map etc.
- xxvi) Whether submitted KML file of the lease area-Yes
- xxvii) Whether submitted scrutiny fee-Yes of Rs. 2000/- vide a Challan Reference Id no. 3357BA43A7 dt. 15.05.2022
- xxviii) Distance from nearest sanctuary/ESZ- Naluan WLS-49.0 Km
- xxix) Whether the lease area coming in DIC report-No N/A
- xxx) Whether the lease area reflecting in DSR- Yes
- xxxi) Method of mining-Manual
- xxxii) River-Rushikulya. Depth of sand deposition-2.5 meter
- xxxiii) Distance from nearest road bridge-passing over the lease area and the PP proposed for 500meter safety zone from bridge in the Mining Plan, village road-0.5 km
- xxxiv) Whether it is part of cluster. Yes both Kanaka and Bhimpur sand quarry are coming under single cluster.
- xxxv) Whether EC obtained earlier-Yes, vide letter no. 697 dt. 30.01.2016
- xxxvi) Date of approval of mining plan-
- xxxvii) Production capacity per annum-100400 cum/annum (max.), total production in 5 years period- 502000 cum, Geological reserve-564525 cum and Mineable reserve-347575 cum
- xxxviii) Whether the DSR has been prepared as per the MoEF& CC, Govt. of India Notification S.O. 3611(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020 and as per the Hon'ble Supreme Court order, vide its order dated 10.11.2021 in Civil Appeal Nos. 3661-3667 of 2020 (State of Bihar Vrs. Pawan Kumar and Others)- No
- xxxix) ARRS report submitted by consultant P & M Solution with mentioned that Pre-Monsoon Standard Elevation = 14.72, Post-Monsoon Standard Elevation = 15.51 and 31153.65 cum of sand replenished and proposed production is 100400 cum/annum.
- xl) The EMP budget provision of EMP of individual lease.(Cluster EMP of Rs. 6.59 Lakh(Capital Cost) and Rs. 3.83 Lakh(Recurring Cost, CER Cost is Rs. 1.8 Lakh))
- xli) Any deficiencies/omission have been noticed in the above documents- Mining Plan approval letter submitted by PP is not correct one.

Decision Of Authority: Approved

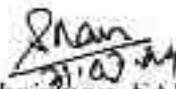
After detailed deliberations in the matter, the Authority decided to grant **Environmental Clearance** with usual stipulated conditions as applicable for sand quarry.

- Maximum depth of mining 2.5 meter and maximum quantity of extraction shall be limited to **31000 cum** in 1st year from the date of issue of EC and **also the same quantity i.e. 31000 cum** for 2nd year
- The validity of EC is for 1st year and 2nd year or validity of DSR or validity of lease period whichever is earlier.
- The PP shall carryout the ARRS study by March, 2025 through an NABET or ORSAC empanelled agency.
- The Grant of EC for further period will be considered after submission of approved DSR by SEIAA as per the MoEF & CC, Govt. of India Notification S.O. 3611(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020 and also as per the Hon'ble Supreme Court order vide its order dated 10.11.2021 in Civil Appeal Nos. 3661-3662 of 2020 (State of Bihar Vrs. Pawan Kumar and Others).
- The Project Proponent (lease holder) shall deposit Rs.15,50,000/-, with the respective District Environment Society for raising 3100 plants (minimum @100 trees per Ha) of native species within 2 years in a suitable location adjoining to quarry.
- The PP will implement the EMP with a budgetary allocation of 6.59 Lakh (Capital Cost) and Rs. 3.83 Lakh (Recurring Cost, CER Cost is Rs. 1.8 Lakh).


Member Secretary, SAIA

APPROVED BY


Member, SAIA


Chairman, SAIA

Minutes of 161st Meeting of SEIAA, Odisha held on 20.03.2024 & 21.03.2024

PARIVESH 2.0, AGENDA No.161.20	
Proposal No.	SIA/OR/MIN/464324/2024
Date of application	11.03.2024
File no.	-
Project Type	New proposal for EC
Category	B1
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for EC for extraction of stone from Uppalada Stone Quarry-IX over an area of 11.737 Acre or 4.750Ha. (Under Cluster Approach of total lease area 39.811 Ha.) in Village/ Mouza-Uppalada, Tahasil-Paralakhemundi, District- Gajapati over Khata No.- 376, Plot No.- 1726/1 in in favor of Sri J. Jagan Babu.
Name of the company/Organization	Sri J. Jagan Babu.
Location of Project	Mouza-Uppalada, Tahasil-Paralakhemundi, District- Gajapati over Khata No.- 376, Plot No.- 1726/1
ToR/Date	02.09.2022
Name of the Consultant	M/s P and M Solution, Noida

Proposal in brief: The highlights of the proposal as ascertained from the application and as revealed from proceedings/discussion held during the meeting of SEAC/SEIAA, are given as under.

- i) This is a proposal for EC for extraction of stone from Uppalada Stone Quarry-IX over an area of 11.737 Acre or 4.750Ha. (Under Cluster Approach of total lease area 39.811 Ha.) in Village/ Mouza-Uppalada, Tahasil-Paralakhemundi, District- Gajapati over Khata No.- 376, Plot No.- 1726/1 in in favor of Sri J. Jagan Babu.
- ii) The mining area is a part of Survey of India Toposheet No. 74B/1 (E4561) and is bounded between the Latitude - 18° 49' 05.06" N to 18° 49' 13.70" N, Longitude - 84° 10' 19.30" E to 84° 10' 30.10" E.
- iii) The mining lease is an identified sairat source in the DSR. The Uppalada Stone Quarry-IX sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Paralakhemundi to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- iv) Documents submitted: Form-1, PFR, checklist, EMP, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, topo map etc.
- v) Whether submitted KML file of the lease area-Yes
- vi) Whether submitted scrutiny fee-Yes of Rs. 1000/- vide e-Challan Reference Id no. 312762C2A0 dt. 12.11.2021
- vii) Distance from nearest sanctuary/ESZ- Lakahr valley WLS-60.0 Km
- viii) Whether the lease area coming in DIC report-No, as certified by DFO, Paralakhemundi vide letter no. 5175 dt. 21.09.2023
- ix) Whether the lease area reflecting in DSR-Yes
- x) Method of mining-Semi-mechanized method
- xi) Distance from nearest road bridge-1.0Km, village road-0.46 Km

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- xii) Whether it is part of cluster / quarries coming under a single cluster and total cluster lease area is 39.811 Ha. Already SEAC and SEIAA approved the cluster EIA & EMP in 155th meeting held on 09.02.2024.
- xiii) Whether EC obtained earlier- No
- xiv) Date of approval of mining plan- by Joint Director of Geology, South Zone Bhubaneswar vide letter no. 676 dt. 20.07.2021
- xv) Production capacity per annum-4050 cum/annum (max.), total production in 5 years period- 20250 cum, Geological reserve- 728919 cum and Mineable reserve-454068 cum
- xvi) Whether the DSR has been prepared as per the MoEF & CC, Govt. of India Notification S.O. 3611(b) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020 and as per the Hon'ble Supreme Court order vide its order dated 10.11.2021 in Civil Appeal Nos. 3661-3662 of 2020 (State of Bihar Vrs. Pawan Kumar and Others)- No
- xvii) The TOR has been granted by SEIAA, Odisha for Uppalada Stone Quarry - I, vide letter no. 5338/SEIAA Dt. 02.09.2022; Uppalada Stone Quarry - IV, vide letter no. 5340/SEIAA Dt. 02.09.2022; Uppalada Stone Quarry - VII, vide letter no. - 5342/SEIAA Dt. 02.09.2022; Uppalada Stone Quarry - IX, vide letter no. - 5344/SEIAA Dt. 02.09.2022.
- xviii) Public hearing was conducted on 16.12.2022 at 11.00 PM at Gram Panchayat Office of Uppalada village in Gajapati District, issues raised during public hearing are vibrational impact due to drilling and blasting, impacts on agriculture, dust in the environment, noise impact, environment protection, provision of guard wall in the MI. area, peripheral development, road maintenance, plantation and employment.
- xix) The cluster EMP budget provision of Rs. 26.97 Lakh(Capital Cost) and Rs. 27.41/- (Recurring Cost, CER Cost is Rs. 7,40,000/-)
- xx) The EMP budget provision of EMP of individual lease, Rs. 6.59 Lakh(Capital Cost) and Rs. 4,32,500/- (Recurring Cost, CER Cost is Rs. 1,86,000/-)
- xxi) Any deficiencies/omission have been noticed in the above documents- Nil

2. **Whether SEAC recommended the proposal** - The proposal was placed in the SEAC meeting held on 28.12.2023 and the SEAC approved the FIA/EMP report in cluster approach and recommended the following:

- a) The SEIAA, Odisha may consider to grant Environmental Clearance to individual lease for **Uppalada Stone Quarry - I, IV, VIII, IX (under cluster approach of Uppalada Stone Quarry - I, II, III, IV, V, VIII, IX)** without referring to SEAC with specific conditions as per **Annexure - D** after receipt of individual applications from the lessee in cluster along with following documents:
 - i) Filled in form-I of individual lease
 - ii) Feasibility report of individual lease
 - iii) EMP of individual lease.
 - iv) Approved Mining Plan of individual lease.
 - v) Report on vibration study.
 - vi) D/C status of the lease area from concerned DFO as certified by the concerned Tahasildar.
 - vii) An Undertaking by the lessee not to use wagon drilling blasting to be submitted. Accordingly, specific condition to be stipulated in EC of individual lease.
 - viii) 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.
 - ix) 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.

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- x) The project proponent shall maintain periodic health check-up records of their employees and ensure use of face mask by workers in crushing and handling sections of the stone quarry for ensuring that working personnel are not affected by silicosis.
 - xi) The project proponent shall undertake re-grassing of the area or any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for fodder, flora, fauna etc. after ceasing mining operation that is at the time of mine closure.
 - xii) A condition on SOP for blasting and safety on management of flying rock to be implemented and detail risk and hazard management procedure shall be followed by the lessee as per the **Annexure-E**.
 - xiii) Haulage road shall be developed and maintained perennially and perpetually by the proponent in consultation with the concerned authority of the Govt.
3. The proposal was placed in 155th SELAA meeting held on 09.02.2024. After detailed deliberation on the matter, the authority accepted the recommendation of SEAC and approved the cluster EIA&EMP report with a capital cost of Rs.27,41,000/- and recurring cost Rs.26,97,000/- per annum. The individual EC application in cluster will be considered after submission of documents as recommended by SEAC.
4. Now, the PP has submitted individual EC application

Decision Of Authority: Approved

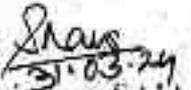
After detailed deliberations, the Authority decided to **grant Environmental Clearance** with usual stipulated conditions as applicable for stone quarry.

- Maximum depth of mining 6.0 meter from the surface level and maximum quantity of extraction shall be limited to **4050 cum in 1st year and 4050 cum in 2nd year**.
- The EC is valid till validity of DSR or validity of lease period whichever is earlier.
- The Grant of EC for further period will be considered after submission of approved DSR by SELAA as per the MoEF & CC, Govt. of India Notification S.O. 3611(E) dated 25.07.2018, Sustainable sand mining guidelines 2016 and Enforcement & Monitoring Guideline for sand mining-2020 and also as per the Hon'ble Supreme Court order vide its order dated 10.11.2021 in Civil Appeal Nos. 3661-3662 of 2020 (State of Bihar Vrs. Pawan Kumar and Others)
- The Project Proponent (lease holder) shall deposit Rs.6,00,000/-, with the respective District Environment Society for raising 1200 plants (minimum @100 trees per Ha) of native species within 2 years in a suitable location adjoining to quarry.
- The PP will implement the EMP with a budgetary allocation of Rs.27,41,000/- and recurring cost Rs.26,97,000/- per annum.


Member Secretary, SAIA

APPROVED BY


Member, SAIA


Chairman, SAIA

Minutes of 161st Meeting of SEIAA, Odisha held on 20.03.2024 & 21.03.2024

PARIVESH 2.0, AGENDA No.161.21	
Proposal No.	SLA/OR/IND1/442846/2023
Date of application	02.02.2024
File no.	442846/10-IND1/02-2024
Project Type	New proposal for ToR
Category	B1
Project/Activity including Schedule No.	3(a) Cement Plants
Name of the Project	Proposal for ToR for M/s. Infrastructure Unit Two proposes for installation of a Cement Grinding Unit of capacity 15000 tons per annum. The total project area is of 0.853 Acre located at IDCO Plot No. 2/a/1 & 2/A/2 Kh. No. 1068, Revenue Plot No. 37/P Revenue Mouza- Ekatali, Dist-Jharsuguda of Sri Arun Mundra
Name of the company/Organization	Sri Arun Mundra
Location of Project	at IDCO Plot No. 2/a/1 & 2/A/2 Kh. No. 1068, Revenue Plot No. 37/P Revenue Mouza: Ekatali, Dist-Jharsuguda
ToR Date	NA
Name of the Consultant	M/s. Envomin Consultant Pvt. Ltd. Bhubaneswar, Odisha

1. **Proposal in brief:** The highlights of the proposal as ascertained from the application and as revealed from proceedings/discussion held during the meeting of SEAC/SEIAA, are given as under.
 1. The proposal was considered by the committee to determine the "Terms of Reference (ToR)" for undertaking detailed EIA study for the purpose of obtaining environmental clearance in accordance with the provisions of the EIA Notification, 2006 and amendment thereafter.
 2. This proposal is for Terms of Reference (ToR) for obtaining Environmental Clearance of M/s. Infrastructure Unit Two proposes for installation of a Cement Grinding Unit of capacity 15000 tons per annum. The total project area is of 0.853 Acre located at IDCO Plot No. 2/a/1 & 2/A/2 Kh. No. 1068, Revenue Plot No. 37/P Revenue Mouza- Ekatali, Dist-Jharsuguda of Sri Arun Mundra.
 3. **Category:** This project falls under Category "B" under 3(b) - Cement plants (Standalone Grinding unit) as per EIA Notification dated 14th Sept, 2008 and its amendments.
 4. The proponent M/s. Infrastructure Unit proposes for installation of a Cement Grinding Unit of capacity 15000 ton per annum. The cement will be used as raw material for the paver block and chequered tiles together will be used for selling in the open market. The total project area is of 0.853 Acre located at IDCO Plot No. 2/A/1 & 2/A/2 Kh. No. 1068, Revenue Plot No. 37/P Revenue Mouza- Ekatali, Dist-Jharsuguda Pin- 768201, Odisha
 5. **Location and connectivity:** The proposed Cement Grinding Plant is located at IDCO Plot No. 2/a/1 & 2/A/2 Kh. No. 1068, Revenue Plot No. 37/P Revenue Mouza- Ekatali, Dist-Jharsuguda Pin- 768201, Odisha. The plot size of approx. 0.853 acres has been allotted on dated 01.02.2022 by M/s IDCO Govt. of Odisha in favor of M/S Infrastructure Lease deed Certificate No- IN-OD03208698129562U Dt. 01.02.2022. The Geo coordinates are, P1 - 21.881536N 84.008691E, P2 - 21.881203N 84.00801E P3 - 21.881342N 84.009174E P4 - 21.881522N 84.009533E P5 - 21.881897N 84.009349E P6 - 21.881708N 84.009888E and falls under Toposheet No - F44R13 The project site can be approached is at a distance of 5km from the national highway, 2km from the state highway and 10km from the Jharsuguda airport. IB River is 4.5 kms from the project site. The project site can be approached is at a distance of 5km from the national highway no -53, which connects Raipur/Charidikhol and 10 km from the Jharsuguda airport
 6. Total Landuse Breakup:

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Sl No.	Pattern of Utilisation	Area in Ha.
1	Plant and Building	0.1232
2	Road and Open Space	0.1160
3	Parking Area	0.0223
4	Green Belt	0.0835
	TOTAL	0.345 Ha.

7. **Details of mineral:** The proponent M/s. Infrastructure Unit proposes for installation of a Cement Grinding Unit of capacity 15000 ton per annum. The cement will be used as raw material for the paver block and chequered tiles together will be used for selling in the open market.

8. The cement will be used as raw material for the paver block and chequered tiles together will be used for selling in the open market.

9. **Details of Raw Materials**

Sr.No.	Material	Source	Transportation mode
1	Clinker	Transported from Clinkerization Unit	By Trucks
2	Gypsum	Purchase from Market	By Trucks
3	Flyash	Nearby Power Plant	By Covered Trucks
4	GGBS/Slag	Transported from Clinkerization Unit	By Trucks

10. **Summary of products generated by the project**

There are three products, which M/s Infrastructure (Unit-II) proposes to produce 15000 MT of the mixture to be used as raw material for the Paver Block and Chequered Tiles together with to be used for selling the same in Open Market. The details of Products, which are proposed to be manufactured is as follows:

1. Mixture type Grade-1 with use of Clinker, and Gypsum and GGBS/Slag
2. Mixture type Grade-2 with use of Clinker, flyash and Gypsum
3. Mixture Type Grade-3 with use of Clinker and Gypsum

The proposed plant aims to produce equal quantity of both grades of materials. The majority of the product is supposed to be used in the captive consumption i.e. as a source of Raw material for the production of Paver Block and Chequered Tiles.

The project involves installation of a small grinding unit for manufacturing of Portland Pozzolana Cement (PPC)/ Ordinary Portland Cement /Slag cement using Clinker, Gypsum and Flyash and Slag/GGBS.

Product OPC/PPC/ Slag cement (SPC)

Product Mix	PPC	OPC	Slag Cement
Clinker	65%	90%	50%
Gypsum	5%	5%	5%
Flyash	30%	0%	0%
GGBS/slag	0%	5%	45%

11. **Details of waste generated:** No solid waste will be generated from the cement manufacturing process. Dust collected from air pollution control equipment will be totally recycled in process. A part of used oil will be utilized for lubrication purpose and remaining will be sold authorized members.

12. **Mitigation of waste produced**

Sl. No	Waste	Qty/Year	Unit	Method of Disposal	Area
1	Used Oil	1	KL	Used internally for lubrication of scraper chains	

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2	Used Grease	100	Kg	Giving to PCB approved agencies	Plant
3	Lead Acid Batteries	10	Nos	Exchanging with PCB approved agencies/OEMs	
4	Transformer Oil	0.1	KL	Giving to PCB approved agencies	

13. **Other waste generation, if any:** Dust collected from air pollution control equipment is totally recycled in process. Solid waste generated from office area is disposed after segregating the waste into biodegradable and non-biodegradable.
14. Baseline study conducted (if taken) – Time period, Air, water, soil, noise quality monitoring results: Post-Monsoon, 15th Nov – 15th Dec (One Month)
15. Total water requirements and waste water management: The water requirement for the grinding unit, for domestic purpose estimated to be 2000 Lt or 2 Kl.
16. **Power requirement and solar power details:** The total connected power of the plant is expected to be about 76 KWH and shall be met by installing 315 KVA switch yard with suitable step down transformer.
17. **Rain water harvesting details** – The rain water harvesting would be done by means of making a suitable structure in the North-East side of the area with a proper slope gradient to a pit size of 8m x 8m sump for collecting the yield rain water and further a bore well of 8 inch radius for further charging of the ground water table.
18. **Green belt development:** Out of total land 33% of the area will be covered under greenbelt & plantation. A thick greenbelt all along the roads and plant will be developed. Plantation will be done in and around the plant premises. 80% survival rate will be maintained with all possible efforts. The trees have been planted at suitable grid spacing to encourage proper growth. Local plant species will be preferred.
19. **Total employment:** There will be an employment opportunity of 20 direct and 20 indirect manpower due to the project. Unskilled/ semi-skilled manpower can be sourced from the local area and skilled manpower shall have to be sourced from outside/ local.
20. **Total Project cost and EMP, CSR Cost** - Project Cost - Rs 2.8 Cr. (approx.); EMP cost - Rs 0.26 Corers, CSR Cost - Rs 0.05 corers/annum.
21. The Project Proponent has requested for public hearing exemption for the project as, the site is located at the IDCO industrial estate and the project capacity is very less i.e. 15000 Tonne per annum/50 tonne per day of Cement production and environmental impact would be less.
22. **Environment Consultant:** The Environment consultant M/s Envomin Consultant Pvt. Ltd, Bhubaneswar, Odisha along with the proponent made a presentation on the proposal before the Committee.
23. **The project proponent requested before the SEAC for exemption of public hearing for the following reason:**
- The site is located at the IDCO industrial estate.
 - The project capacity is very less i.e. 15000 Tonne per annum/50 tonne per day of Cement production and environmental impact would be less.
 - This project will generate direct & indirect employment scopes for the local people and also increase the revenue for the state exchequer. More attention will be given to improve the socio-economic conditions in health, education, employment, roads, plantation and cultural activities.
24. The SEAC opined that there is no such provisions as per EIA Notifications 2006 and amendment thereafter for exemption of public hearing as requested by the proponent at para 23 above and the industrial Estate in which the project will be located has not obtained Environmental Clearance as per EIA Notification 2006.
25. The PP has not submitted land schedule documents except lease agreement.
2. **Whether SEAC recommended the proposal** – The proposal was placed in the SEAC meeting held on 28.02.2024 and the SEAC prescribed the ToRs as per Annexure – B and following specific ToRs for conducting detailed EIA study.
- Land documents in favour of the proposed cement grinding unit to be submitted along with the land use breakup.
 - Agreement copies/MOU with raw material suppliers for raw materials procurements.