



Minutes of 141st Meeting of SEIAA, Odisha Held on 01.11.2023 & 02.11.2023

AGENDA NO.141.01

Proposal No.	SIA/OR/MIN/439954/2023
Date of application	01.09.2023
File no.	439954/109-MINB1/09-2023
Project Type	Proposal for ToR
Category	B1
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for ToR of M/s. Kalinga Alumina Limited for Ballada Bauxite Mine for a Peak Rated Capacity of 4.0 Mtpa over a Mining lease area of 144.945 Ha at Village -Ballada, Taluka-Nandapur, District- Koraput of Sri Kassireddy Anil Kumar
Name of the company/Organization	Sri Kassireddy Anil Kumar (Associate Vice President) Kalinga Alumina Limited
Location of Project	Village-Ballada, Taluka-Nandapur, District-Koraput
ToR Date	N/A
Name of the Consultant	M/s Vardan Environet, Gurugram

- 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.
- 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 EIA Notification, 2006 and amendment thereafter.
 - This proposal is for Terms of Reference for environmental clearance of M/s. Kalinga Alumina Limited of Ballada Bauxite Mine for a Peak Rated Capacity of 4.0 MTPA over a mining lease area of 144.945 ha at Village - Ballada, Taluka - Nandapur, District- Koraput of Sri Kassireddy Anil Kumar.
 - Category:** The proposed project falls in schedule 1 (a) - Mining of Minerals, under Category "B", as per EIA notification - 2006 and amendment thereof issued by the Ministry of Environment, Forests and Climate Change, New Delhi.
 - The company was declared preferred bidder for this block on 17-02-2023. The letter of Intent has been issued vide letter no. SM-MC2-MC-0007-2023/2143/S&M Bhubaneswar dated 1st March 2023 by Steel and Mines Department, Government of Odisha.
 - The project involves open cast mining of Bauxite (ROM) with 4.0 MTPA capacity & setting up of 800 TPH Crusher/screening plant at pit head.
 - Mining Plan along with Progressive Mine Closure Plan has been approved by IBM vide letter No. MCDR-MiFL0BXT/5/2023-BBS-IBM_RO-BBS dated 8th August 2023.
 - Forest application has been submitted vide proposal no. FP/OR/MIN/QRY/442417/2023 dated 1st September 2023. Ballada Block is virgin bauxite block located in Nandapur Tehsil of Koraput district in Odisha, total mining lease area is 144.945 ha, located entirely within Nagasari reserve forest. The project contemplates to develop the mine and surrounding infrastructures for commercial production of bauxite of 4 MTPA peak rated capacity using opencast mining. In addition to ML area 12.267 ha area to be required for evacuation of minerals. Hence forest diversion application has been submitted for 157.212 ha.



- viii) **Location and connectivity:** Ballada Bauxite Block by opencast mining method with an annual Peak Rated Capacity of ~ 4.0 MTPA of Bauxite (ROM), located at village - Ballada, Tehsil - Nandapur, District - Koraput, Odisha. Ballada Bauxite Block covers an area of about 144.945 ha bounded by latitudes 18°26'05.61588" N to 18°27'13.34448" N and Longitudes 82°39'32.39136" to 82°40'25.36716" E. The lease area is covered under Survey of India toposheet no. E44K11 (65J/11). 144.945 Ha of Mine Lease area is Forest Land (Nagasari RF) under Koraput Forest Division. The mineral bearing plateau is situated about one kilometer west of Ballada village and about 8 km north of Padwa in Koraput district, Odisha. Jeypore, a major town in the Koraput district, is about 82 km NNW of the Ballada deposit and is approachable by major district road No.52. Koraput, the district headquarters is at 60 km north of the deposit and is connected by a metalled road via Similiguda on NH 26. Bheja, the nearest Railway Station is about 5 km due north-east. The nearest airport is at Visakhapatnam, about 140 km SE from the lease area. The Nearest Water body is Jalaput reservoir located at a distance of 3 km South and SW. Nearest reserve forest is Nagasari RF i.e., entire mine lease area of 144.945 Ha. Nearest habitation is Ballada village, about 1 km in East.
- ix) **Method of Mining:** The deposit lies on surface, and it is proposed to be mined by mechanized opencast method of mining with excavator/ dumper combination. Deep hole drilling/Short hole drilling and blasting is proposed after taking prior permission from DGMS. Further, it is proposed to mine with Ripping-Dozing method and/or deployment of Surface Miner at a later date, based on feasibility.

Table: Proposed list of equipment

S N o	Particulars	Make	Capacity	No. of equipmen t
i)	Diesel hydraulic shovel	Volvo EC480/Komatsu PC 450/TATA Hitachi ZX 670	3.1 cum	4
ii)	Dumper	Bharat Benz 3528	16 m ³	11
iii)	DTH drill	Epiroc-T40	Hole Dia -115 mm	3
iv)	Dozer	BEML D-155	324p)	1

- x) **Transport:** Mined bauxite (R.O.M) shall be transported to the crushing/screening plant through mine haul trucks. Evacuation of crushed bauxite is planned through a combination of road and rail route. There is an existing motorable approach road to the east of the mine which connects MDR-52 (Visakhapatnam-Jeypore Road). Bauxite shall be transported through 30 tonner dump trucks via the aforesaid road to the nearest "Bheja Railway Station" from where it will be loaded on railway wagons using front end loaders and subsequently despatched to destination. Empty trucks shall return to mine for repeat loading. OB within the lease will be transported through rear-dump trucks to the dump area within the lease.
- xi) **Waste generation and management:** The waste generated in course of pre-mining development and subsequent mining operation will consist of topsoil and laterite with occasional occurrences of **khondalite**. During the first five years the rate of generation of waste is expected to be of the order of 0.073 Mm³ or 0.15 MT of along with generation of 0.026 Mm³ of Topsoil. Considering this, an average ore to waste ration of 1:0.018 is estimated. It is planned to stack topsoil and waste separately on ground during the initial 4 years of plan period. From 5th year onwards, waste material will be dumped systematically. Topsoil, stacked separately, would be spread over the reclaimed areas, to enable planting and growing of trees. The waste stacked on ground during the initial years of operation will be utilized to fill the worked-out areas at the end of the working life of the mine as well as



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during the interim period, as and when practicable. The generation of waste during the 5 year plan period will be very less and shall be dumped systematically. No backfilling is proposed during the initial 5 year period.

Table: Proposed production plan during first five-year period

Year	Top Soil Volume (m ³)	Over Burden/Waste Volume (m ³)	ROM Quantity (t)
Year 1	24072	0	1000120
Year 2	1710	24783	2024020
Year 3	0	44671	2001482
Year 4	0	3800	2002414
Year 5	0	0	4001868

- xii) **Water requirement and wastewater management:** The water requirement of the project during operation phase is 690 KLD. Water will be sourced from nearby Jalaput lake located at distance of 3 km. Wastewater generated from workshop will be treated using oil-water separator and treated water will be used in vehicle washing. Wastewater generated from mine office, rest shelters etc. will be disposed in soak pit via septic tank.
- xiii) **Power requirement:** The estimated average power requirement is 1 MW, the peak requirement being 1.5 MW. Power shall be sourced from nearest substation located at a distance of 8 km at Padwa. Renewable energy source proposed to install is around 160 KW, which will be about 10 % contribution for the total power requirement.
- xiv) **Greenbelt:** The greenbelt is proposed as per the following table.

Sr. No	Year	Area Proposed to be Covered (Ha)	Number of Plants Proposed	Expected Survival Rate (%)	Estimated Expenditure (INR)
1	Year 1	0.72	1440	75	2,01,600
2	Year 2	0.86	1720	75	2,40,800
3	Year 3	1.16	2320	75	3,24,800
4	Year 4	0.68	1360	75	1,90,400
5	Year 5	0.80	1600	75	2,24,000
Total		4.22	8440		11,81,600

- xv) **Manpower requirement:** Project will generate employment for about 126 persons directly, besides its potential to generate considerable indirect employment and livelihood opportunities.
- xvi) **Project cost:** Total cost of the project is about Rs. 230 Crores which includes cost of Infrastructures, Land Acquisition and other development costs.
- xvii) **Environment Consultant:** The Environment consultant M/s Vardan Environet, Gurugram 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 22.09.2023 and after detailed discussion, the SEAC recommended the proposal for issues of both standard and below mentioned specific ToR.

- i) The following information to be submitted.
 - a) Compliance of mining plan, including waste and OB dump management, mine closure plan etc.
 - b) Compliance to Common cause judgment
 - c) Status of R&R
 - d) Compliance of plantation



- e) Compliance of public hearing issues
f) Status of complaints/ court cases/legal action
g) Any other relevant environmental issue / parameter.
h) The following studies be undertaken by domain experts, viz:
- Blast vibration study
 - Socio economic study of the neighbouring habitation
 - Biodiversity study with audit mechanism.
 - Slope stability study for both mines and OB /waste dumps.
 - Surface runoff management along with rainwater harvesting and ground water recharge include the design of drainage structures.
 - Traffic density study, both inside the mines and at haulage roads, intersecting points of haulage road with public road.
 - Hydrology study: The study findings and the mitigation measures thereof to be submitted.
 - Process scheme details of the crusher / screening plant such as dry / wet crushing etc. If dry crushing, then management plan for dust control. If wet crushing, then plan for treating used water and its recycle etc.
- ii) Cost of the CER calculated shall be utilized for the concerns of the people in terms of health, education, and infrastructure and environment protection. Project Proponent also shall include the budget for the betterment of schools nearby and to facilitate the online education system by providing Wi-Fi connectivity and desktops/tablets.
- iii) The project proponent should provide in the EIA Report details of all the statutory clearances, permissions, no objection certificates, consents etc. required for this project under various Acts, Rules and regulations and their status or estimated timeline after grant of EC.
- iv) The project proponent should submit the revenue plan for mining lease, revenue plan should be imposed on the satellite imaginary clearly demarcate the Govt. land, private land, agricultural land etc.
- v) The project proponent should submit the real-time aerial footage & video of the mining lease area and of the transportation route. The project proponent should submit the detailed plan in tabular format (year-wise for life of mine) for afforestation and green belt development in and around the mining lease. The project proponent should submit the number of saplings to be planted, area to be covered under afforestation & green belt, location of plantation, target for survival rate and budget earmarked for the afforestation & green belt development. In addition to this the project proponent should show on a surface plan (5-year interval for life of mine) of suitable scale the area to be covered under afforestation & green belt clearly mentioning the latitude and longitude of the area to be covered during each 5 years. The capital and recurring expenditure to be incurred needs to be submitted. Presently in India there are many agencies which are developing forest in short interval of time. Thus, for the plantation activities details of the experts/agencies to be engaged needs to be provided with budgetary provisions.
- vi) The project proponent should submit the quantity of surface or ground water to be used for this project. The complete water balance cycle needs to be submitted. In addition to this PP should submit a detailed plan for rain water harvesting measures to be taken. PP should submit the year wise target for reduction in consumption of the ground/surface water by developing alternative source of water through rain water harvesting measures. The capital and recurring expenditure to be incurred needs to be submitted.
- vii) The project proponent should clearly bring out the details of the manpower to be engaged for this project with their roles /responsibilities/designations. In addition to this the project proponent should mention the number and designation of person to be engaged for implementation of environmental management plan (EMP). The capital and recurring expenditure to be incurred needs to be submitted.
- viii) The project proponent should submit the year-wise, activity wise and time bound budget

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earmarked for EMP, occupational health surveillance & Corporate Environmental Responsibility. The capital and recurring expenditure to be incurred needs to be submitted.

- (ix) The project proponent should submit the measures/technology to be adopted for prevention of illegal mining and pilferage of mineral. The project proponent should submit the detailed mineralogical and chemical composition of the mineral and percentage of free silica from a NABL/MoEF&CC accredited laboratory.
- x) The project proponent should clearly show the transport route of the mineral and protection and mitigative measure to be adopted while transportation of the mineral. The impact from the center line of the road on either side should be clearly brought out supported with the line source modelling and isopleth. Further, frequency of testing of Poly Achromatic Hydrocarbon needs to be submitted along with budget. Based on the above study the compensation to be paid in the event of damage to the crop and land on the either side of the road needs to be mentioned. The project proponent should provide the source of equations used and complete calculations for computing the emission rate from the various sources.
- xi) The project proponent should clearly bring out that what is the specific diesel consumption and steps to be taken for reduction of the same. Year-wise target for reduction in the specific diesel consumption needs to be submitted.
- xii) The project proponent should bring out the awareness campaign to be carried out on various environmental issues, practical training facility to be provided to the environmental engineer/diploma holders, mining engineer/diploma holders, geologists, and other trades related to mining operations. Target for the same needs to be submitted.
- xiii) The budget to be earmarked for the various activities shall be decided after perusal of the Standard EC conditions. After perusal of Standard EC conditions if agreed the project proponent should also submit an undertaking by the way of affidavit for Compliance of Standard EC conditions already prescribed by the Ministry vide O.M. No and Specific condition if prescribed by the SEAC/SEIAA, Odisha.
- xiv) The project proponent should ensure that only NABET accredited consultant shall be engaged for the preparation of EIA/EMP Reports. The project proponent shall ensure that accreditation of consultant shall be valid during the collection of baseline data, preparation of EIA/EMP report and during the appraisal process. The project proponent and consultant should submit an undertaking the information and data provided in the EIA Report and submitted to the SEIAA, Odisha are factually correct and the project proponent and consultant are fully accountable for the same.
- xv) The project proponent should submit the photograph of monitoring stations & sampling locations. The photograph should bear the date, time, latitude & longitude of the monitoring station/sampling location. In addition to this the project proponent should submit the original test reports and certificates of the labs which will analyze the samples.
- xvi) "Zero discharge" management & "Zero Dust Re-suppression" management with SOP be submitted.
- xvii) Internal roads, drain management with network of the drain, retaining walls and settling tanks with ETPs be submitted.
- xviii) Details of air quality monitoring stations of the area and additional stations at entry and exit of mines and haulage roads, habitation to be considered.
- xix) Construction and perennial maintenance of haulage road with details of plantation and the species thereof to be submitted.
- xx) Parking plaza layout with maximum no. of vehicles and types of vehicles that can be parked with basic amenities and facilities.
- xxi) Forest Clearance details with copy of all Forest Clearance.
- xxii) Status of complaints/ court cases/legal action regarding to lease along with a detailed write up indicating case no., purpose of the case etc.
- xxiii) Copy of lease document.

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- (xiv) Details of waste management i.e. composition and nature of waste generated, tabulated form showing year wise waste generation, usage and storage.
- (xv) Project Proponent shall consider developing a good nursery in nearby village for production of saplings of 4-6 feet height for planting in safety zone, sides of external haulage roads and distribution among villagers for planting in their private land/ community land. The nursery may be developed by company on their own or in collaboration with forest department. A detailed proposal to this effect shall be submitted. The proponent shall ensure to use organic fertilizer in the nursery.
- xxvi) Comprehensive water management, water balance with water harvesting and its reuse both monsoon and non-monsoon period.
- xxvii) STP plan with design with location in the layout map for domestic waste water treatment.
- xxviii) Provision of solar power (percentage wise) with detail plan.
- xxix) To submit the network with dimension of concrete cement roads inside the mining lease area and haulage road.
- xxx) To submit parking plaza at entry and exit of the mines with basic amenities.
- xxxi) Plan and SoP to be submitted for water sprinkling inside the mines and outside in haulage road including regular vacuum cleaning and Zero Dust Resuspension system to completely mitigate and arrest fugitive dust emission.
- xxxii) Total water management including domestic use w.r.t sourcing from borewell, rain water harvesting and recycling of waste water from ETP/STP, both for monsoon and non-monsoon be submitted.
- xxxiii) Measures to be taken for arresting and mitigation of occupational health hazard including identification of the same, both for employees and nearby/surrounding habitation.
- xxxiv) Year wise waste/OB management with reference to generation and utilization in consideration with dynamic movement of inventory indicating dump area and dimension of storage be submitted.
- xxxv) Find out the possibility of other alternatives for approach road so that felling of 1000 trees proposed can be avoided.
- xxxvi) Submit Wildlife Conservation plan duly certified from the concerned DFO.
- xxxvii) Submit copy of application of forest diversion proposal and current status of it.
- xxxviii) Explore possibility for construction of reservoir or adopt appropriate rainwater harvesting methods for collection of rain water and its usage.
- xxxix) Submit Mine closure Plan with supporting documentation.
- xl) Submit Standard Operating Procedure for magazine management.
- xli) This Bauxite mines is meant for captive use. The proponent has not yet established any refinery in the state. They have to give details of use of Bauxite in absence of refinery and also an undertaking that Bauxite Ore cannot export outside the state.
- xlii) Possibility of restoration/ creation of the pond present within lease area so that villagers can use it in future after mining lease period expires.

Decision of Authority: Approved

After detailed deliberation, the Authority decided to issue ToR with standard conditions of MoEF & CC & along with SEAC recommended specific condition for EIA studies with Public Hearing for this project.


Member Secretary, SEIAA

APPROVED BY

Member, SEIAA


03.11.2023
Chairman, SEIAA

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(SE) of project site. Daya canal is 7 Km (E) of project site. Eco sensitive Zone of Chandaka Dampara Wildlife Sanctuary is 5.90 km. The site is coming under Bhubaneswar Development Authority.

Land details: The total plot area is 23,318.25m²/ 5.76acres. /2.33 ha. with total built-up area 1,77,574.76 sq.mt.

The Building Area Details of the Project:

S. No.	Description	Area (in m ²)
i)	Plot area	23,318.25
ii)	Permissible Ground Coverage (@ 40% of plot area)	9,327.3
iii)	Proposed Ground Coverage (@ 30.23% of plot area)	7,050.64
iv)	Permissible FAR (@ 7 of plot area)	1,63,227.96
v)	Total Proposed FAR (@ 5.35 of plot area)	1,24,826.30
vi)	Non FAR	52,748.46
vii)	Total Built-up area	1,77,574.76
viii)	Required Parking Area as per bye laws (@ 30% of FAR area)	37,447.89
ix)	Proposed Parking Area (@ 30.17% of FAR area)	37,665.78
x)	Required Green Area (@ 15 % of the plot area)	3497.74
xi)	Proposed Green Area (@ 17.1% of the plot area)	3977.88
xii)	Height of the tallest building (m) (up to terrace level)	113.95

(vii) **Water requirement:** Total water requirement is 905 KLD and freshwater requirement for the proposed project is 569KLD which will be sourced from Ground Water.

S. No	Description	Occupancy	Rate of water demand (LPCD)		Total Water Requirement (KLD)				
			Fresh	Flushing	Fresh	Flushing	Total		
A.	Domestic Water	Residents	6174	90	45	555.66	277.83	833.49	
S. No	Description	Occupancy	Rate of water demand (LPCD)		Total Water Requirement (KLD)				
			Staff (Maintenance, Club house,)	365	25	20	9.125	7.3	16.425
Visitors (Maintenance, Club house,)	815	5	10	4.075	8.15	12.225			
						569 KLD	293 KLD	862 KLD	
Total Domestic Water = 862 KLD									
B.	Horticulture	3977.88m ²	4 l/sqm	16 KLD					



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AGENDA NO.141.02

Proposal No.	SIA/OR/INFRA2/435580/2023
Date of application	10.07.2023
File no.	435580/118-INFRA2/07-2023
Project Type	Proposal for ToR
Category	B1
Project/Activity including Schedule No.	8(b) Townships/ Area Development Projects / Rehabilitation Centres
Name of the Project	Proposal for ToR for construction of residential Project having total built-up area- 1,77,574.76 sqm , land area-23,318.25 sqm (5.76 acres) at Mouza Uttarmundamuhan, Tehsil-Jatani, District-Khurdha, Odisha. over Plot No. 419,437/ 1078, 425, 440, 422, 423/2294, 421, 420, 414, 441, 426/4153, 430/4152, 426/3487; 426/4139, 426, 426/1203, Mouza-Uttarmundamuhan, Tehsil-Jatani, District-Khurdha, Odisha. Having facilities-Residential Dwelling Units (1008 nos.), Club House, Swimming Pool, Children's Play Area.
Name of the company/Organization	Sri Shashikant Barik M/s Acreplex Realty Pvt Ltd
Location of Project	Mouza Uttarmundamuhan, Tehsil-Jatani, District-Khurdha, Odisha
ToR Date	N/A
Name of the Consultant	Grass Roots Research and Creation India (P) Ltd.

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.
- 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 to obtain Environmental Clearance of M/s Acreplex Realty Pvt Ltd for proposed Residential Project at Mouza - Uttarmundamuhan, Tahasil - Jatani, District - Khurdha; Odisha. The project site is located at Plot No. 419,437/ 1078, 425, 440, 422, 423/2294, 421, 420, 414, 441, 426/4153, 430/4152, 426/3487; 426/4139, 426, 426/1203, The Total land area is 23,318.25 m² (5.76 acres) and the total proposed built-up area is 1,77,574.76m².
 - Category:** The proposed project falls under category "B" of Item of Schedule to the EIA Notification, 2006 or activity 8 (b): Townships and Area Development Projects.
 - Location and Connectivity** – The proposed project is located at Plot No. 419,437/ 1078, 425, 440, 422, 423/2294, 421, 420, 414, 441, 426/4153, 430/4152, 426/3487; 426/4139, 426, 426/1203, Mouza - Uttarmundamuhan, Tahasil - Jatani, District - Khurdha, Odisha. The geographical co-ordinates of project site are 20°13'17.87"N and 85°43'28.94"E and Kisam of land is Gharabari. The nearest highway is NH-57 is 10 km towards SW direction, NH-16 is 0.20 km towards N direction, NH-316 is 13 km towards E direction, & SH-13 is 7 km towards S direction. The nearest Railway Station being Bhubaneswar Railway Station & Retang Railway Station are about 13 km (ENE) & 5 km (ESE) away from the project site. Biju Patnaik International Airport is at 10 km (ENE) from project site. Bhargavi River is 14Km (E) from project site, Daya River is 9.8 Km



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C	Make Up water for Swimming Pool (453.6)	453.6 sqm x 1.2 @5% of water	27 KLD
Grand Total (A+B+ C) = 905 KLD			

(viii) **Wastewater generation and management:** It is expected that the project will generate approx. 748 KLD of wastewater. The wastewater will be treated in onsite STP of 748 KLD capacity. The treated effluent will be reused for flushing & horticulture. Surplus treated effluent will be discharged to external sewer. Discharge of treated waste water quantity to nearest drain will be 379KLD.

Domestic Water Requirement	862 KLD
Fresh	569 KLD
Flushing	293 KLD
Waste water [@80% fresh + 100% flushing]	455.2 +293= 748 KLD
STP Capacity	748 KLD

(ix) **Power requirement:** Power requirement for the proposed project is 4558 KVA that will be sourced from State electricity board. There is provision of 3 nos. of DG sets total 2375 kVA (1 x 1250 + 1 x 625 + 1x 500 kVA) capacity for power back up. The DG set will be equipped with acoustic enclosure to minimize noise generation and adequate stack height for proper dispersion as per CPCB norms.

(x) **Details of Solar Power generation:** 5% energy will be saving from total energy load (2% through solar and 3% through LED).

(xi) **Rain Water Harvesting:** Total storm water load is 902.809m³. 6 Rainwater Harvesting Pits will be provided considering peak hourly rainfall has been considered as 160 mm/hr.

Type of Area	Area	Coefficient of runoff	Peak rainfall intensity during one hour of rainfall	Rainwater harvesting potential/hour (m ³ /hr)
Roof top Area	7050.64	0.95	0.16	1,071.697
Green area	3977.88	0.10	0.16	63.646
Paved Area	12,289.73	0.80	0.16	1,573.085
Total storm water load on the site = 2,708.428 m ³ /hr				
Considering 20 minutes retention time, total storm water load				602,800m ³
Capacity of Recharge pit = $\pi r^2 h = 2.14 \times 2 \times 2 \times 5$				141.2m ³
No. of Pits required = 902.809/141.3				6.38 say 6 Pits
No. of pits proposed				6

(xii) **Parking Requirement:** Total parking area provided for the project is 37447.89Sq.mt. and 1082 ECS. Location of parking area to be provided is Lower Basement, Stilt and upper basement Parking.

(xiii) **Green Belt Development:** Green belt will be developed over an area of 3 977.88 sqm which is 17.1% of the total plot area. Total no. of plants to be planted is 291 trees with 3 tier plantations.

(xiv) **Solid Waste Management:** During the operation phase, solid waste will be approx. 3403 kg/day (@ 0.5 kg per capita per day for residents, @ 0.15 kg per capita per day for visitor, 0.25 kg per capita per day for staff and landscape waste @ 0.2 kg/acre/day). A door to door collection system will be provided for collection of domestic waste in colored bins from household units. The local vendors are hired to provide separate colored bins for dry recyclable and

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Bio-Degradable waste. For commercial waste collection, adequate number of colored bins (Green and Blue & dark grey bins- separate for Bio-degradable and Non Bio-degradable) are being utilised at the strategic locations of the commercial area. Litter bin is also being utilized in open areas like parks etc.

S. No.	Description	Occupancy	Waste Generated (kg/capita/day)	Waste Generated (kg/day)
1.	Domestic Solid Waste			
	Residents	6174	0.5	3,087
	Staff (Maintenance, Club house)	365	0.25	91.25
	Visitors (Maintenance, Club house)	815	0.15	122.25
2.	Horticultural Waste		@ 0.2 kg/acre/day	0.1964
3.	STP Sludge		Waste water x 0.35 x B.O.D difference/1000	102.102
Total Solid Waste Generation = 3403 kg/day				

- (xv) **Baseline study:** The Project proponent had mentioned that Baseline study has been collected from period March 2023 – May 2023.
- (xvi) **Project cost:** The estimated project cost is 500 crores and cost for EMP is Rs. 102.986 (capital cost) and Rs. 34.746 (recurring cost).
- (xvii) **Environment Consultant:** The Environment consultant **M/s Grass Roots Research and Creation India (P) Ltd. Noida** along with the proponent made a presentation on the proposal before the Committee.
- (xviii) Considering the information / documents furnished by the proponent and presentation made by the consultant **M/s Grass Roots Research & Creation India (P) Ltd., Noida**, the SEAC prescribed the following specific ToRs in addition to standard ToRs for conducting detailed EIA study. The proponent may be allowed to use baseline data collected during March 2023 – May 2023 for EIA study.

2. Whether SEAC recommended the proposal – The proposal was placed in SEAC meeting held on 31.07.2023 and after detailed discussion, the SEAC recommended the proposal for issues of both standard and below mentioned specific ToR.


- a) Fire disaster management plan specially designed for topmost floors with detailed note on hydrant system pump and water storage.
- b) Detailed break-up of solar power to be generated, consumed, including capacity of PV cell capacity, connected devices and the percentage of solar energy added total power demand.
- c) Clear site layout showing all features of the project and distance from road. iv) Traffic Study Report to be submitted duly vetted by institute of repute.
- d) Structural Stability certificate from appropriate authority as per BDA guidelines be submitted and vetted from repute institute.
- e) Calculation of number of proposed Rain water harvesting pits appears to be wrong and hence to be recalculated and re submitted. Maximum hourly rainfall be taken based on
 - a. 30 years data (Climate logic data) and accordingly, no. of rain water harvesting pits be calculated / decided along with the design of the pit including retention time (hold)
 - b. showing the norms for the same. Thus, this is to be re-submitted.
- f) Layout map showing the treated water fallout to nearest drain and its distance.
- g) Detailed drainage plan, internal drainage details, drainage permission with supporting documents applied for NOC for drainage from concerned authority.
- h) Reduce discharge of treated water to drain by planting more trees.

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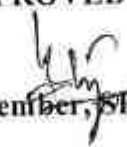
- f) Detailed calculation of greenbelt with breakup and dimensions. Revised Green belt of plot area and increase minimum to 20% of the total plot area.
- g) The concept of vertical garden may also be considered apart from landscaping, potted plants, Parks & Gardens.
- k) Source of water and permission status of water drawl.
- l) The water Treatment Plant, Waste Water Treatment Plant, STP, DG set's location to
- a. be marked in the layout plan.
- m) Adequate overhead portable water tank to be provided as per the norms apart from
- a. Treated Waste Water tank for use in dual plumbing system for the flush in the toilet.
- n) To submit Sabik RoR with Kisam and Hal RoR with Kisam to rule out involvement of
- a. Forest and DLC land in the project.
- o) For parking of various types of vehicle adequate provision of basement, Stilt, Open area and Mechanical parking may be considered.
- p) Provision of lift with ventilation, lighting and AC from lowest basement to terrace roof top to be provided.
- q) Efforts for Energy Conservation in the project as per Bureau of Energy Conservation in line with Energy Conservation Act, 2003 to be submitted for the project.
- r) Disaster Management Plan for the project may be prepared and submitted as per Disaster Management Act, 2005.
- s) Possibility of segregation of grey water and black water and its usage for plantation and car washings thereby reduce the discharge amount of treated water to drain.
- t) Copy of all statutory clearances applied/obtained.
- u) Certificate from concerned DFO that the proposed site doesn't come under forest land. xxiii) Ensure that the differences between the reduced level of the bottom of rainwater harvesting pits and the reduced level of ground water during rainy season are adequate for effective recharge of collected rainwater and submit the report for the same.
- v) Ensure that the power demand proposed is sufficient enough to take the total load of apartments as mentioned in project.

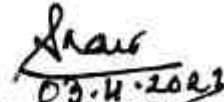
Decision of Authority: Rejected

The Authority perused the re-submission made by the Project Proponent in their letter no. nil dt. 29.09.2023 requesting to withdrawal this application as they filed a revised application no. SIA/OR/INFRA2/447018/2023 dt. 06.10.2023 amending area details. Accordingly, the present application no. SIA/OR/INFRA2/435580/2023 dt. 10.07.2023 is rejected as per SEAC recommendation.


Member Secretary, SEIAA

APPROVED BY


Member, SEIAA


03.11.2023
Chairman, SEIAA



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AGENDA NO.141.03

Proposal No.	SIA/OR/INFRA2/447018/2023
Date of application	06.10.2023
File no.	447018/124-INFRA2/10-2023
Project Type	Proposal for ToR
Category	B1
Project/Activity including Schedule No.	8(b) Townships/ Area Development Projects / Rehabilitation Centres
Name of the Project	Proposal for ToR for construction of residential Project having total built-up area- 1,81,539.58 sqm , land area-23,318.25 sqm (5.76 acres) at Mouza Uttarmundamuhan, Tehsil-Jatani, District-Khurdha; Odisha. over Plot No. 419,437/ 1078, 425, 440, 422, 423/2294, 421, 420, 414, 441, 426/4153, 430/4152, 426/3487; 426/4139, 426, 426/1203, Mouza-Uttarmundamuhan, Tehsil-Jatani, District-Khurdha, Odisha. Having facilities-Residential Dwelling Units (1008 nos.), Club House, Swimming Pool, Children's Play Area.
Name of the company/Organization	Sri Shashikant Barik M/s Acreplex Realty Pvt Ltd
Location of Project	Mouza Uttarmundamuhan, Tehsil-Jatani, District-Khurdha, Odisha
ToR Date	N/A
Name of the Consultant	Grass Roots Research and Creation India (P) Ltd.

2. **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.

- (xix) 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. The PP has submitted a revised ToR application with a request to withdraw their earlier proposal SIA/OR/INFRA2/435580/2023 dated 10.07.2023 as their built up area has been revised from to 1,77,574.76 sqm to 1,81,539.58 sqm(2.2 % increase in builtup area).
- (xx) Earlier, SEAC in their meeting held on 31.07.2023 has already recommended for grant of ToR for undertaking detailed EIA studies. The revised proposal has been forwarded by SEAC.
- (xxi) The present proposal is for Terms of Reference to obtain Environmental Clearance of M/s Acreplex Realty Pvt Ltd for proposed Residential Project at Mouza - Uttarmundamuhan, Tahasil - Jatani, District - Khurdha; Odisha. The project site is located at Plot No. 419,437/ 1078, 425, 440, 422, 423/2294, 421, 420, 414, 441, 426/4153, 430/4152, 426/3487; 426/4139, 426, 426/1203, The Total land area is 23,318.25 m² (5.76 acres) and the total proposed built-up area is 1,81,539.58m².
- (xxii) **Category:** The proposed project falls under category "B" of Item of Schedule to the EIA Notification, 2006 or activity 8 (b): Townships and Area Development Projects.
- (xxiii) **Location and Connectivity** – The proposed project is located at Plot No. 419,437/ 1078, 425, 440, 422, 423/2294, 421, 420, 414, 441, 426/4153, 430/4152, 426/3487; 426/4139,426,



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426/203, Mouza - Uttarmundamuhan, Tahasil - Jatani, District - Khurdha, Odisha The geographical co-ordinates of project site are 20°13'17.87"N and 85°43'28.94"E and Kisam of land is Gharabari. The nearest highway is NH-57 is 10 km towards SW direction, NH-16 is 0.20 km towards N direction, NH-316 is 13 km towards E direction, & SH-13 is 7 km towards S direction. The nearest Railway Station being Bhubaneswar Railway Station & Retang Railway Station are about 13 km (ENE) & 5 km (ESE) away from the project site. Biju Patnaik International Airport is at 10 km (ENE) from project site. Bhargavi River is 14Km (E) from project site. Daya River is 9.8 Km (SE) of project site. Daya canal is 7 Km (E) of project site. Eco sensitive Zone of Chandaka Dampara Wildlife Sanctuary is 5.90 km. The site is coming under Bhubaneshwar Development Authority.

(xxiv) **Land details:** The total plot area is 23,318.25m²/ 5.76acres. /2.33 ha. with total built-up area 1,81,539.58sq.mt.

(xxv) **The Building Area Details of the Project:**

S. No.	Description	Area (in m ²)
i)	Plot area	23,318.25
ii)	Permissible Ground Coverage (@ 40% of plot area)	9,327.3
iii)	Proposed Ground Coverage (@ 30.23% of plot area)	6993.16
iv)	Permissible FAR (@ 7 of plot area)	1,63,227.96
v)	Total Proposed FAR (@ 5.35 of plot area)	1,26,672.59
vi)	Non FAR	54,866.99
vii)	Total Built-up area	1,81,539.58
viii)	Required Parking Area as per bye laws (@ 30% of FAR area)	38330.19
ix)	Proposed Parking Area (@ 30.17% of FAR area)	38,331
x)	Required Green Area (@ 21.8 % of the plot area)	5074.98
xii)	Height of the tallest building (m) (up to terrace level)	113.95

(xxvi) **Water requirement:** Total water requirement is 919 KLD and freshwater requirement for the proposed project is 574KLD which will be sourced from Ground Water.

S. No	Description	Occupancy	Rate of water demand (LPCD)		Total Water Requirement (KLD)		
			Fresh	Flushing	Fresh	Flushing	Total
A.	Domestic Water						
		Residents	6216	90	45	559.44	279.72
S. No	Description	Occupancy	Rate of water demand (LPCD)		Total Water Requirement (KLD)		
	Staff (Maintenance, Club)	367	25	20	9.175	7.34	16.515



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Visitors (Maintenance, Club)	815	5	10	4.075	8.15	12.225
				574 KLD	298 KLD	872KLD
Total Domestic Water = 872 KLD						
B. Horticulture	5074.98m ²		4 l/sqm	20 KLD		
C. Make Up water for Swimming Pool	453.6 sqm x 1.2 @5% of water			27 KLD		
Grand Total (A+B+ C) = 919 KLD						

xxvii) **Wastewater generation and management:** It is expected that the project will generate approx. 757KLD of wastewater. The wastewater will be treated in onsite STP of 757 KLD capacity. The treated effluent will be reused for flushing & horticulture. Surplus treated effluent will be discharged to external sewer. Discharge of treated waste water quantity to nearest drain will be 363KLD.

Domestic Water Requirement	872 KLD
Fresh	574KLD
Flushing	298KLD
Waste water [@80% fresh + 100% flushing]	459.2+298= 757 KLD
STP Capacity	757KLD

xxviii) **Power requirement:** Power requirement for the proposed project is 4558 KVA that will be sourced from State electricity board. There is provision of 3 nos. of DG sets total 2375 kVA (1 x 1250 + 1 x 625 + 1x 500 kVA) capacity for power back up. The DG set will be equipped with acoustic enclosure to minimize noise generation and adequate stack height for proper dispersion as per CPCB norms.

(xxix) **Details of Solar Power generation:** 5% energy will be saving from total energy load (2% through solar and 3% through LED).

(xxx) **Rain Water Harvesting:** Total storm water load is 902.809m³. 6 Rainwater Harvesting Pits will be provided considering peak hourly rainfall has been considered as 160 mm/hr.

Type of Area	Area	Coefficient of runoff	Peak rainfall intensity during one hour	Rainwater harvesting potential/hour (m ³ /hr)
Roof top Area	7050.64	0.95	0.16	1,071.697
Green area	3977.88	0.10	0.16	63.646
Paved Area	12,289.73	0.80	0.16	1,573.085
Total storm water load on the site = 2,708.428 m ³ /hr				
Considering 20 minutes retention time, total storm water load				600,000 m ³
Capacity of Recharge pit = $\pi r^2 h = 3.14 \times 3 \times 3 \times 5$				141.3m ³



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No. of Pits required = 902.809/141.3	6.38 say 6 Pits
No. of pits proposed	6

(xxxii) **Parking Requirement:** Total parking area provided for the project is 37447.89Sq.mt. and 1082 ECS. Location of parking area to be provided is Lower Basement, Stilt and upper basement Parking.

xxxii) **Green Belt Development:** Green belt will be developed over an area of 5074.98 sqm which is 21.8% of the total plot area. Total no. of plants to be planted is 291 trees with 3 tier plantations.

xxxiii) **Solid Waste Management:** During the operation phase, solid waste will be approx. 3403 kg/day (@ 0.5 kg per capita per day for residents, @ 0.15 kg per capita per day for visitor, 0.25 kg per capita per day for staff and landscape waste @ 0.2 kg/acre/day). A door to door collection system will be provided for collection of domestic waste in colored bins from household units. The local vendors are hired to provide separate colored bins for dry recyclable and Bio-Degradable waste. For commercial waste collection, adequate number of colored bins (Green and Blue & dark grey bins- separate for Bio-degradable and Non Bio-degradable) are being utilised at the strategic locations of the commercial area. Litter bin is also being utilized in open areas like parks etc.

S. No.	Description	Occupancy	Waste Generated (kg/capita/day)	Waste Generated (kg/day)
1.	Domestic Solid Waste			
	Residents	6216	0.5	3108
	Staff (Maintenance, Club house)	367	0.25	91.75
	Visitors (Maintenance, Club house)	1128	0.15	169.2
2.	Horticultural Waste		@ 0.2 kg/acre/day	0.25
3.	STP Sludge		Waste water x 0.35	103.33
Total Solid Waste Generation = 3472kg/day				

xxxiv) **Baseline study:** Baseline study has been collected from period March 2023 – May 2023.

xxxv) **Project cost:** The estimated project cost is 500 crores and cost for EMP is Rs. 102.986 (capital cost) and Rs. 34.746 (recurring cost).

xxxvi) Any deficiencies/omission have been noticed in the above documents: Nil

3. Whether SEAC recommended the proposal – The earlier proposal was placed in SEAC meeting held on 31.07.2023 and the SEAC have recommended the proposal for issues of both standard and specific ToR. The revised proposal has been forwarded by SEAC. The SEIAA may decide the present revised proposal.

Decision of Authority: Approved

After detailed deliberation, the Authority decided to issue ToR with standard conditions of MoEF & CC along with SEAC recommended specific condition for EIA studies

Member Secretary, SEIAA

APPROVED BY

 Member, SEIAA

Chairman, SEIAA

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AGENDA NO.141.04

Proposal No.	SIA/OR/MIN/404298/2022
Date of application	10.01.2023
File No.	404298/99-MINB1/01-2023
Project Type	Proposal for EC
Category	B1
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for grant of EC for Jakara Decorative Stone Quarry over an area of 56.03 acres or 22.675 ha located at Village- Jakara, Tahasil-Rayagada, Dist- Gajapati, Odisha
Name of the company/Organization	TEJASWINI GRANITES M Jagdiswar Rao (MD) At/Po-Akusinghi, Rayagada Dist-Gajapati, Pin-765025
Location of Project	village Jakar, Tahasil-Polsara, Dist-Ganjam
ToR Date	15.03.2022
Name of the Consultant	M/s Centre for Envotech and 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.

1. This proposal is for environmental clearance of Jakara decorative stone quarry project over an area of 22.675 ha. or 56.03 acre located at Village- Jakara, Tahasil- Rayagada, Dist- Gajapati, Odisha of Sri M Jagdiswar Rao.
2. **Category:** As per the EIA notification 2006 and its subsequent amendment, proposed project falls under category B of schedule- I(a) Mining of minerals.
3. Prospecting License was granted vide proceedings no. MII(d)-132/07- 5690/DM, dated 08.07.2015. and Letter of Intent (LOI) was granted vide letter no.7610/SM, Bhubaneswar, dated 04.10.2019.
4. Modified Checklist of Minor Minerals is approved by Mining Officer on 06.12.2021 and Survey Report on Minor Minerals is submitted by Mining Officer to Collector, Gajapati vide letter no. 991/Mines, dated 17.11.2021.
5. District Survey Report on minor minerals submitted by Mining Officer to Collector, Gajapati vide letter no. 991/Mines, dated 17.11.2021
6. Mining Plan was approved by Directorate of Mines vide letter no. MXXII- (a)-3/2020-7826/DM., Dated. 09.11.2020.
7. As per the record of revenue the precise area applied for Decorative stone comes under Abada Ajogya Anabadi category and is of Parbat Kissam. There is no forest land involved in the mine lease area.
8. **Terms of Reference:** Terms of Reference (TOR) has been prescribed by SEIAA vide letter no. 4222/SEIAA on dated 15.03.2022.
9. **Public hearing details:** Public hearing was conducted on 12.09.2022 at Gram Panchayat Office, Kerandi under Rayagada Panchayat Samiti in Gajapati district. The major issues raised during the public hearing are dust suppression measures, protection of environment, peripheral development of the village, road maintenance & development, plantation, employment, provision of ambulance facility, skill development training to local youth, insurance benefit to workers. As per the demands, the project proponent has committed to provide ambulance, insurance benefit to workers, skill development training to local youth, road maintenance & development, protect environment, etc. **Rs 13 lakhs will be spent under CER** for various socio-economic activities, in 4 years' time.

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- 10. Location:** Jakara Decorative Stone Deposit of M/s Tejeswini Granites, over an area of 56.03 Acres or 22.675 Hectares is located in village Jakara under Rayagada Tahasil of Gajapati District in Odisha. The proposed lease area is bounded by latitude N18° 51' 49.5" – N18° 52' 09.4" and longitude E84° 20' 00.0" – E84° 22' 25.5" & it is a part of the area covered in the Survey of India Toposheet No E45G5. Lease area comes under Abada Ajogya Anabadi category and of Parbat Kissam.
- 11. Topography:** The lease area of Jakara Decorative Stone Deposit comes under a hill range. The maximum altitude is 190 mRL and the lowest altitude is 165 mRL. The overall slope of the hill is towards SE to NW side of the area. There is no forest land within the lease area. No ecologically sensitive area such as National Park/Wildlife Sanctuary/Biosphere Reserve/Tiger Reserve/Elephant Reserve etc. is found in the core and buffer zone of the proposed study area.
- 12. Drainage:** There is neither any seasonal nor any perennial nala flowing within the lease area. The drainage pattern of the area is dendritic. Surface run-off water of the area is drained through the natural slopes/ nearby Nala. There is no river / major nala within the 10 km radius study area. There are some reservoir, ponds and seasonal nala located within the study area. A seasonal nala is flowing near Gopalasahi at 1.47 Km in NE direction.
- 13.** This is a fresh mining project and decorative stone will be produced @ 7000 CuM / Annum.
- 14. Land use:** The study area covers around 31415ha., mainly comprises of forest (62.7 %), agriculture land (19.01%) and water bodies (0.02%). The balance 18.27 % of the total area covers residential area, mining, rocky and waste land etc.

Table: Land use

Sl. No	Pattern of Utilization	Area put on use at the start of the Plan period	Area required during the Plan Period	Net considered area for calculation
		(Area in Hectares)		
i)	Mining Including Haul Road	0.00053	1.886	1.886
ii)	Over Burden /Waste Dump	-	1.207	1.207
iii)	Mineral storage	-	0.04	0.04
iv)	Infrastructure (workshop, administrative, Building, etc.)	-	0.018	0.018
v)	Roads	0.01	0.05	0.06
vi)	Railways	-	-	-
vii)	Safety Zone/Greenbelt	-	1.458	1.458
viii)	Sub-Total	0.0105	4.659	4.669
ix)	Area Un-disturbed	22.664	18.016	18.006
Grand Total:		22.675	22.675	22.675

- 15. Reserves and life of mine:** Total geological & mineable reserve are estimated as 26,69,186.20 m³ and 1854311 m³ respectively. The life of the mine will be about 260 years.
- 16. Mining method and annual production:** Opencast semi-mechanized method will be adopted using machineries such as excavator, line offset, compressor, jack-hammer, wire ropes and drill rod etc. in single shift involving drilling and cutting without blasting. Ultimate pit slope at the time of closure of mine will be around 45°.

Year	Volume of Rock Zone (m ³)	Volume of Recoverable Decorative Stone (m ³)	Volume of Khanda (m ³)	Volume of waste (m ³)

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1 st Year	35000.00	7000.00	3500.00	24500.00
2 nd Year	35000.00	7000.00	3500.00	24500.00
3 rd Year	35000.00	7000.00	3500.00	24500.00
4 th Year	35000.00	7000.00	3500.00	24500.00
5 th Year	35000.00	7000.00	3500.00	24500.00
Total	175000.00	35000.00	17500.00	122500.00

17. **Waste generation:** A total of 1,22,500 m³ of waste to be generated during plan period. The generated waste will be dumped with an average height of 5 m having five terraces. About 40% of the generated waste will be utilized for maintenance and construction of the haul road, approach and existing roads in the surrounding areas periodically. The waste generated during the conceptual period will be back filled over an area of 4.669 hectares up-to 168m RL. The wastes are proposed to be stacked maintaining the overall slope at less than 28^o and to be sequentially graded, compacted and levelled. Retaining wall of 153 metre and garland drain of 160 metre will be erected around the dumping yard to arrest the washing off loose sediments.
18. **Water requirement:** About 1.1 KLD of water will be utilized for drinking, dust suppression and plantation purposes. This water will be met from nearby villages.
19. No mines water will be discharged into any seasonal /perennial nala near the leasehold. 153m long retaining walls will be built all around the waste dumps, which will have weep holes for passage of storm water to join garland drains. 160m long Garland drains shall be constructed as much as possible around waste dump (depending on contours) and it will be connected to 12m X 12m X 2m size settling pond. Sanitary sewage generated in office area shall be treated in septic tank & soak pit. Silt generated from cutting faces shall be collected in 10m X 12m X 1m size settling pond & supplied to brick makers, cement industries, etc.
20. **Power requirement:** No electrical power shall be required for operations in mine. 225 KVA DG set will be used for office and lighting purpose.
21. **Baseline study:** Study period is summer season (December 2021 to February 2022)-
22. **Greenbelt:** Green belt will be developed in the safety zone. In the plan period, 0.1386 ha. will be planted with 510 nos. of saplings. Besides these, roadside plantation will be done with adequate number of saplings.
23. **Manpower:** A total of 30 nos. of persons (managerial & supervisory personnel – 03, Skilled- 14, Semi-skilled- 06 & Unskilled- 07) will be engaged in the mines
24. **Project cost:** The estimated cost of the project is Rs.3 Crore. The cost earmarked for environmental control measures is **90,0000/- per annum.**
25. **Environment Consultant:** The Environment consultant **M/s Centre for Envotech and Management Consultancy Pvt. Ltd, Bhubaneswar** along with the proponent made a presentation on the proposal before the Committee.
26. The SEAC in its meeting held on dated **14-02-2023** decided to take decision on the proposal after receipt of the following from the proponent. The proponent has furnished the compliance and the SEAC verified the same as follows:
27. Any deficiencies/omission have been noticed in the above documents- This is a new source included in the DSR and still the DSR is not finalized.

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2. **Whether SEAC recommended the proposal** – The proposal was placed in the SEAC meeting held on 11.07.2023 and the SEAC **recommended** the proposal for EC with observation:-

- a) Haulage road shall be developed and maintained perennially and perpetually by the proponent in consultation with the concerned authority of the Govt.
- b) 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 decorative stone quarry for ensuring that working personnel are not affected by silicosis.
- c) **Since after lease is granted by the concerned Authority, the Project Proponent will get permission from office of the Concerned DFO for cutting of trees. Therefore, the permission letter from concerned DFO for tree cutting shall be submitted to SEIAA/SEAC before start of mining operation (as proposed).**

3. The proposal was placed in the 130th meeting of SEIAA held on 1st, 2nd and 3rd August, 2023 and the Authority observed that in Known Your Approval (KYA) of the KML file under Parivesh shows that the lease area as forest land whereas in the application the same area is mentioned as non-forest land based on a letter dated 16.01.2009 of DFO, Paralakhemundi.

After detailed deliberation in the matter, the Authority decided to seek clarification on the following:

- (i) The PP is required to submit a certificate from DFO, Paralakhemundi stating that current status of the land is coming under DLC/forest or not.
- (ii) The PP is also required to submit the approved DSR by Competent Authority.

Now the PP has submitted their necessary clarification / ADS for consideration of EC.


Decision Of Authority: Referred to SEAC

The Authority perused the submission dt. 10.10.2022 made by the Project Proponent including letter dt.17.11.2021 of Mining Officer, Ganjam Circle, Berhampur, requesting the Collector & District Magistrate, Gajapati for preparation of DSR, which cannot be treated as approval of competent authority. The DSR has not been submitted to SEIAA & SEAC for approval as per the orders of Hon'ble Supreme Court in Civil Appeal Nos. 36613662 of 2020 dt. 10.11.2021 on petition of the State of Bihar and Others versus Pawan Kumar and others etc.

In view of the above, the case is referred back to SEAC for reconsideration and furnishing specific view whether EC can be granted in the instant case without an approved DSR.

APPROVED BY


Member Secretary, SEIAA


Member, SEIAA


Chairman, SEIAA

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AGENDA NO.141.05	
Proposal No.	SIA/OR/MIN/407678/2022
Date of application	29.12.2022
File No.	407678/846-MINB2/12-2022
Project Type	New proposal for EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of Minerals
Name of the Project	Proposal for grant of EC for Nimapadar Sand Bed over an area of 10.875 acres or 4.401 hectares bearing Khata no. 1472, Plot no. 744 in Village Nimapadar, Tahasil Jagannathprasad, District Ganjam, State Odisha
Name of the company/Organization	Sri Chitrasen Swain S/o-Subash Chandra Swain At/Po-Mentapur, BDpur, Ps-Jagannathprasad, Dist-Ganjam
Location of Project	Odisha
ToR Date	N/A
Name of the Consultant	N/A

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 SEAC/SEIAA, are given as under.
- (ii) This is a proposal for mining of sand from of Nimapadar Sand Bed over an area of 10.875 acres or 4.401 hectares bearing Khata no. 1472, Plot no. 744 in Village Nimapadar, Tahasil Jagannathprasad, District Ganjam, State Odisha.
- (iii) The mining area is a part of Survey of India Toposheet No. E459(74A/9), bounded by Latitude: 19°52'55.46" N to 19°53'3.12" N and Longitude: 84°41'13.46" E to 84°41'29.60" E.
- (iv) The mining lease is an identified sairat source in the DSR. The Nimapadar Sand Bed sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Jagannathprasad to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- (v) Documents submitted: -Form-1, Form-2, PFR, EMP, checklist, and approval letter, Village sheet, Cluster certificate from Tahasildar, topo map etc.
- (vi) Whether submitted KML file of the lease area-Yes
- (vii) Whether submitted scrutiny fee-Yes, of Rs. 2000/- submitted through e-Challan no. 3380C8A094 dt. 03.12.2022
- (viii) Distance from nearest sanctuary/ESZ- Lakahri Valley WLS-58.00 km
- (ix) Whether the lease area coming in DLC report-N/A
- (x) Whether the lease area reflecting in DSR-Yes
- (xi) Method of mining-Manual
- (xii) River-Burha Nadi, depth of sand deposition-1.0 meter
- (xiii) Distance from nearest road bridge-0.80 km, village road -0.70 km
- (xiv) Whether it is part of cluster -No.
- (xv) Whether EC obtained earlier-Yes, and submitted EC compliance
- (xvi) Date of approval of mining plan- the Joint Director of Geology, South Zone, Berhampur on 15.11.2022.
- (xvii) Production capacity per annum-3015 cum/annum (max.), total production in 5 years period-15075 cum, Geological reserve-25688 cum and Mineable reserve-20650 cum.
- (xviii) As per mining plan the approved depth for mining-0.146 meter.



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- (xix) 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
- (xx) Any deficiencies/omission have been noticed in the above documents- Nil

The proposal was placed in the 112th meeting of SEIAA and was decided that after detailed deliberation, the Authority observed that the mining plan is prepared and approved for extraction of sand with 0.146-meter depth whereas geological as well as mineable reserve for the Nimapadar Sand Bed is 1.0 meter. After detailed deliberations, the Authority decided to **seek clarification** from concerned Tahasildar/RQP why mining plan is prepared so thin mining i.e., 0.146 m depth and whether it is practically viable. Now the PP has submitted the ADS / clarification for consideration of EC.

Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 13.01.2023 and the SEAC recommended the proposal for grant of EC.

2. The proposal was placed in the 117th meeting of SEIAA held on 02.05.2023 & 03.05.2023 and the Authority observed that the mining plan is prepared and approved for extraction of sand with 0.146meter depth whereas geological as well as mineable reserve for the Nimapadar Sand Bed is 1.0 meter. After detailed deliberations, the Authority decided to **seek clarification** from concerned Tahasildar why mining plan is prepared with mining depth of 0.146 m and whether it is practically viable.

Now the PP has submitted their ADS for consideration of EC.

Decision of Authority: Approved

The authority perused the letter dtd.10.10.2023 of Tahasildar, Jagannathprasad that, the project is viable with a mining depth of 0.146 meter.

After detailed deliberation in the matter, the authority decided to grant EC with the following specific condition as follows:

- (i) The Tahasildar, Jagannathprasad shall be personally responsible for ensuring the depth of mining is limited to 0.146 meter only.
- (ii) Maximum depth of mining 0.146 meter and maximum quantity of extraction shall be limited to **3015 cum** in 1st year and **754 cum** in 2nd year. PP shall submit Annual rate of replenishment study (ARRS) report through ORSAC empanel agency by **December' 2025**.
- (iii) The validity of EC for 1st year and 2nd year is subjected to validity of DSR or validity of lease period whichever is earlier.
- (iv) The Project proponent shall follow Enforcement & Monitoring Guideline for sand mining-2020 before and during operation of quarry.
- (v) 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).
- (vi) 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.
- (vii) The PP will implement the EMP with a budgetary allocation of Rs.1.30 lakh per annum as proposed during the valid lease period of 5 years.

APPROVED BY

Member Secretary, SEIAA

Member, SEIAA

03.11.2023
Chairman, SEIAA



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AGENDA NO.141.06	
Proposal No.	SIA/OR/MIN/66728/2021
Date of application	30.06.2022
File No.	66728/90-MINB1/06-2022
Project Type	Proposal for EC under violation category
Category	B1
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal of Environmental Clearance for Patamunda Manganese Mine over an area of 43.532 Ha, at Village: Patamunda, Tahasil: Koida, District: Sundergarh For M/S Sun Alloys & Minerals Ltd of Sri Rajib Lochan Mohanty – EC (Violation Case).
Name of the company/Organization	M/S Sun Alloys & Minerals Ltd.
Location of Project	Odisha
ToR Date	02.04.2022
Name of the Consultant	M/s Kalyani Laboratories 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.

1. M/s. Sun Alloys & Minerals Ltd. for Patamunda Manganese mines over an area of 43.532 Ha. at Village - Patamunda, Tahasil - Koida, District - Sundergarh, Odisha of Sri Rajib Lochan Mohanty (Managing Director).
2. The project falls under Category "B" or activity 1 (a) - Mining of Minerals under EIA Notification dated 14th September 2006 as amended from time to time.
3. Patmunda Manganese Mining Lease in village Patmunda of Sundergarh District Odisha was granted over an area of over 81.197 Ha in favour of Sun alloys & Minerals Ltd on 23.10.1991 which was executed on 12.02.1996 for 10 years i.e. till 11.02.2006.
4. This is an existing mine operating since 1996-1997 to 2009 and closed since 2009. As the mining was operating without obtaining prior- environment clearance the project will be appraised for Environment clearance under case of violation.
5. Based on the approved ToR vide letter no. 4301/SEIAA dated 02.04.2022, the EIA/EMP report, Damage assessment and remediation plan and natural and community resource augmentation plan has been prepared by M/s Kalyani Laboratories Private Limited, Bhubaneswar.
6. The public hearing for the Patmunda Manganese Mines of Sun Alloys and Minerals Ltd. conducted on 10.04.2012 at 10.00 A.M. at Madan Mohan High School field, Patmunda Village of Sundergarh district in accordance with the Ministry of Environment & Forest, Govt. of India, EIA Notification No. SO-1533 (E) dated 14th September 2006.
7. As the project is declared as a case of violation, the damage assessment, remediation plan, community and natural resource augmentation plan has been prepared. As per the plant the allocated budget for remediation plan based on the damage assessment due to violation is Rs. 22,38,000.00, Budget due to community and natural resource augmentation plant will be Rs. 43,00,000.00 and penalty due to violation will be Rs.1,83,372.00.
8. First RML application was filed on 04.02.2005 (one year before the expiry of the lease) for 20 years (form 12.02.2006 to 11.02.2026) on a reduced area over an area of 43.568 Ha deleting 37.629 Ha area occupied by tenants and local inhabitants within the executed ML area of 81.179 Ha. Mining

operation continued within the ML area till 22.12.2009 under deemed clause of Rule 24 A (6) of MCR 1960. Mining operation within the ML was closed by the DFO, Bonai vide letter No 6264 dt 22.12.2009 for want of forest clearance over an area of 0.036 Ha of DLC forest land.

9. The lessee again deleted 0.036 Ha DLC area from 43.568 Ha of applied RML area and submitted a letter to the Principal Secretary to Government, Department of Steel & Mines, Govt. of Odisha vide letter no. SAML/CO/2010-11/08-06 dated 06.08.2010 along with a fresh map over 43.532 Ha for consideration in respect of renewal of the lease area. The lessee deposited the demanded amount of Rs 2,03,00,894.96 (Rupees two crore three lakh eight hundred ninety-four and ninety six paise only) arising out of the final judgement of the Honourable Apex court dated 02.08.17 in the aforesaid Common Cause Matter of WP (C) 114/2014 related to Section 21 (5) of MMDR Act 1957. Based on the order of RA, lessee submitted his request to the state Govt for revocation of the lapsing order on 10.01.19 and 06.03.21 which is under active consideration.
10. The Mining Lease was subsisting as on 12.01.2015, the date on which the MMDR Act, 1957 was amended. As per the provisions of Section 8A (3) read with Section 8A (9) of the amended provisions of the Act, the period of the Mining Lease is deemed to have been extended up to 11.02.2046 (for a total period of 50 years).
11. The application for EC was made by the lessee and public hearing for the said project was conducted on 10.04.2010.
12. The proposal was considered for EC at SEAC, Odisha on 18.10.2012 and Member Secretary State Environment Impact Assessment Authority (SEIAA) Odisha vide Letter No 365/SEIAA dated 27.12.2012 asked to submit the authentic copy of Stage – I Forest Clearance within 12 months for issuance of Environmental Clearance. In reply the lessee submitted a letter to Member Secretary SEIAA vide their letter No SAML/CO/2012-13/03-21 dated 11.03.2013. In this letter the lessee informed that the revised RML area over 43.568 Ha includes 0.036 Ha DLC forest land in south eastern boundary of the lease which has been deleted, retaining the RML applied area of 43.532 Ha. FMCP on 0.036 Ha area which was approved by IBM vide Letter No ORI/BHU/2011-12 Dated 28.10.2011.
13. Replying the above letter of the lessee Member Secretary SEIAA issued a letter (Letter No 726/SEIAA dated 28.04.2014 –to submit the proposal afresh as per EIA Notification 2006.
14. State Pollution Control Board, Odisha accorded Consent to Establish vide their letter No 22809/IND-II-5429 dated 12.11.2012.
15. At the initial stage with reference to the application of the lessee dated 27.03.2006, OSPCB, Bhubaneswar issued consent order for air (Prevention & Control of Pollution) & Water (Prevention & Control of Pollution) vide their letter dated 13.07.2006 for production of manganese ore to the tune of 300 tonnes per month for Air/18B for Water). This was valid upto 31.03.2011.
16. Mining within the ML area started in 1997-98 and continued till 2009-10 and was closed by the DFO, Bonai vide letter No 6264 dt 22.12.2009 (Annexure XIX) for want of forest clearance over an area of 0.036 Ha of DLC forest land. The mine is yet to be re-opened.
17. The Mine was operating since 1997-98 and continued operation till 2009-10 without obtaining Environment clearance. Environment clearance is applicable to the mines under EIA Notification 1994 as well as 2006.
18. Violation has been made by the lessee under E(P) Act, 1986 and the application for ToR has been made under the case of violation.
19. The mining plan approved in 2016-17 and due to lack of violation, this mining plan was lapsed in 2015. The lease area is reduced to 43.532 Ha in the renewal application. Proposed production from the lease area during the revised scheme period from 2016-17 to 2020-21.
20. Final Mine Closure Plan on 0.036 Ha DLC area was approved vide IBM Letter No FMCP/OTFM/03-ORI/BHU/2011-12 dated 28.10.2011. Certificates obtained under sub rule (2) of rule 29 (A) of MCR 1960 on approved FMCP over 0.036 Ha. Accordingly, a letter was submitted to The Principal Secretary to Government, Department of Steel & Mines, Govt. of Odisha vide letter no.



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SAML/CO/2010-11/08-06 dated 06.08.2010 along with a fresh map for considering the RML area as 43.532 Ha. As Per Mines & Minerals (Development and Regulation) Amendment Act 2015 the lease shall be extended for a period of forty years i.e., 11.02.2046 (Total lease period is 50 years) w.e. from 12.02.1996.

21. Recent mining plan approved by Indian Bureau of Mines, Bhubaneswar vide letter no: RMP/A/04-ORI/BHU/2021-22, dated 17.06.2021.
22. **Location and Connectivity:** Patmunda Manganese ore Mines over an area of 43.568Ha. located in Patmunda Village, under Sub-division Bonai, Tahsil Koida in Sundargarh District, Odisha. Out of the total lease area 43.568 Ha, 43.532 Ha Govt. non-forest land, and 0.036Ha is Govt. Forest land. Lease area is a part of Survey of India toposheet No 73G/5 and is bounded by the latitudes from Latitude 21° 52' 15.58" N and Longitude 85° 18' 16.839" E as per survey. Nearest railway stations is Barbil Railway Station at an distance of 45 Km. Nearest town is Koira is 10km. State capital Bhubaneswar via Jajpur – Keonjhor Road, is at a distance of 318 km where Airport is there. Rourkela Steel City via Lohanipura and Koira – Bhadrāsahi is at a distance of 115 km. Jamsedpur via Chaibasa and Noamundi is 185 km far from the lease area. Paradeep port is at about 310 km and nearest NH is NH 215 at a distance of 6 km from the lease area. Suna River at a distance of 4.5Km. Nearest Reserve Forest is Khajurdihi RF – 4.8km.
23. **Reserves** - The mineable reserve of manganese ore in the lease area is 1,98,538 MT. In the ensuing plan period about 21,734 MT will be exploited. After this plan period balance mineable reserves of 1,77,164 MT of manganese ore will be available. Keeping in view the production of manganese ore @5500 per annum, life of the mine will be 32.21 years or say 33 years after the current plan period. So, total life of the mine will be 33 years including this plan period.
24. Presently there are four existing quarries namely Quarry-1,2,3 and 4. There are seven nos. of existing dumps are present in the lease area.
25. **Method of Mining** - Open cast semi mechanized system of mining is in practice since long to mine the manganese ore deposit adopting a system of bench formation keeping In mind the quality, cost, safety and conservation of mineral. No change in method of mining has been envisaged during the proposed review period. Quarry-2 and 4 shall be developed during the proposed review period (2022-2023 to 2025-26) from the insitu ore zone with lateral and depth ward extension. There is no regular need of blasting in the over burden and mineralized zone for development and ore production. Once the mineralized zone is exposed, low scale drilling shall be required which will be done by rock drill machine attached with compatible compressor for loosening the ore zone formation.
26. **Production Details:** The different types of ore production year-wise is given as follows:

Year	Total Saleable ore(MT)	Total Mineral Reject (MT)	Total ROM (MT)
2021-22	52 numbers diamond core drilling under exploration programme		
2022-23	5346	0	5346
2023-24	5445	0	5445
2024-25	5434	0	5434
2025-26	5509	0	5509
Total	21734	0	21734
27. **Waste management** - A total quantity of 145245 m³ waste (generated from the lease area + Re-handled existing waste dump) will be accommodated on the proposed dump over an area of 2.014 Ha. At the end of the conceptual period the total waste over the proposed dump will be utilized for backfilling of the exhausted quarries. Conceptually,7272 MT of mineral rejects will be generated. These mineral rejects will be stored in the earmarked site covering an area of 0.18 Ha. These mineral rejects shall be blended as far as practicable as per the demand of buyers.
28. **Green Belt** - During the period of operation of lease the lessee has planted nos of saplings. During the existing plantation of 1995 saplings. In the ensuing scheme period, an area of 2.35 Ha. along the safety zone has been proposed for plantation of 5900 saplings.



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29. **Water Requirement** - Water consumption will be limited to 20 KLD which consist of 5KLD for domestic (Permission obtained from CGWB), 5 KLD for dust suppression, green belt development purpose. Water for drinking / domestic use will be sourced from the ground water while water for non-domestic use such as plantation, water sprinkling etc. will be sourced from water harvesting ponds.
30. **Power Requirement** - Electricity is available in the M.L area. As the mine is operated in day shift only, there is no necessity of power for illumination at mines. Energy required: Diesel 800 Ltr/ Day.
31. A total no. of 68 people will be employed in the mines (departmentally/contractually) which includes 6 managerial and supervisory staff, High Skilled and Skilled staff 12 nos., and 50 nos. of workers phase wise manner.
32. Baseline study was conducted during October – December, 2021. The observations are Ambient air quality monitoring carried out in 8 different sampling locations. During the study period, the concentration of PM10 in the project site varies from 46 to 57 $\mu\text{g}/\text{m}^3$ and from 46.4(Ramka Village) to 85.5(Koida) $\mu\text{g}/\text{m}^3$ in the nearby villages. The average value of PM2.5 in the project site is 23 to 25 $\mu\text{g}/\text{m}^3$ and the average of PM2.5 varies from 23.3 (Podadihi) to 44.5(Koida) $\mu\text{g}/\text{m}^3$ in the surrounding villages. Other parameters like, SO₂, NO_x, CO, Ozone, are within the prescribed limit of NAAQS standard as prescribed by CPCB.
33. The ground water samples were collected from 8 different sampling stations and analyzed as per IS 10500:2012 to assess the portability of the ground water.
34. As Per the data it has been observed that the pH of the ground water varies 6.50 to 6.80, Chlorides Ranges From 12.0 to 44 Mg/L, Sulphates value found to be between 2.4 to 20.9 mg/l, Fluoride Ranges low in lease area i.e. 0.12 to 0.39 mg/l, Hardness varies from 32-168 mg/l, and Total dissolved solid 40-210 mg/l.
35. The ambient noise levels were measured in 8 sampling locations. In the project site the day time noise level is 29.5 dB (A) and the night time noise level is 22.4 dB (A). The maximum noise level is 50.4 dB (A) during the day time at Koida Village and minimum noise level is 29.5 dB (A) during the day time at lease area. The maximum noise level is 42.6 dB (A) during the night time at Koida Village and minimum noise level is 22.4 dB (A) during the night time at lease area. The noise level is found to be maximum in Koida Village.
36. The cost of Project is ` 295 lakh. The allocated capital EMP cost for the project will be Rs. 67.5 Lakhs and 17.6 Lakhs allocated as recurring EMP cost.
37. The Environment Consultant **M/s Kalyani Laboratories Pvt. Ltd. Bhubaneswar** along with the proponent made a detailed presentation on the proposal before the Committee on 03.08.2022.
38. The SEAC in its meeting held on dated **03-08-2022** decided to take decision on the proposal after receipt of certain information / documents from the proponent.
39. The proponent has furnished the compliance and the SEAC verified the same as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
i)	Compliance to NEERI recommendation for Manganese mine expansion to be submitted.	Lessee will follow the Recommendations of CSIR-NEERI Report on "Carrying Capacity Study for Environmentally Sustainable Iron and Manganese Ore Mining Activity in Keonjhar, Sundargarh and Mayurbhanj district of Odisha State" as applicable for the mines. However, point wise compliance of the NEERI conditions has been attached as Annexure 1 .



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ii)	Detailed plan for Dump management and dust suppression and mitigation measures suggested towards issues raised in Public Hearing.	Details of Dump management and dust suppression and mitigation measure has been attached as Annexure 2 .
iii)	Details of Public Hearing with proposed redress point wise to be submitted.	Details of public hearing and time bound action plan in compliance to public demand is attached as Annexure 3 .
iv)	Safety measures to protect Damsala Nala.	Damsala nala is not located near the project site as the project is located in Sundargarh district and Damsala nala is flowing near Sukinda. The nearest nala is Suna Nadi which is flows at 4.5 Km from the project and there is no anticipated impact of the project on Suna Nadi as the maximum impact of the mines will be limited up to 500m from the source.
v)	Cross-sectional dimension of retaining wall and garland drain shall be furnished.	Dimension of the retaining wall and garland drain is given in Annexure 2 .
vi)	Conversion of agricultural lands to mining use with help of concerned Authority Revenue Department.	The land has been allocated for mining operation.
vii)	Specific measures taken Manganese poisoning in that area.	Details of measures taken to mitigate manganese poisoning due to mining activity is given as Annexure 4
viii)	Reclamation Plan for Dump after conceptual plan.	Dump reclamation plan has been elaborated in Annexure 2 .
ix)	Budget details of EMP.	Detail EMP budget is attached as Annexure 5 .
x)	Details of DLC land surrendered and the same acceptance Letter by IBM to be submitted.	The DLC land of 0.036 Ha has been surrendered by the lessee and certificate has been issued by IBM. Retained area of the lease is 43.532 Ha. Copy attached as Annexure 6 .
xi)	Native/local species should be planted which has survival rate is 90%. And increase the greenbelt plantation within lease area.	Detail plantation plan is attached as Annexure 7 .
xii)	Status of legal case filed if any under section 19 of Environment (Protection) Act, 1986 for violation.	The case against the lease under section 19 of Environmental (Protection) Act, 1986 for violation is under process at state govt.
xiii)	Conversion of Agriculture land for use of mining purpose.	For operation of mines surface right must be obtained from district administration where the land conversion is a part of the process as and when required after



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obtaining EC. However, this is an existing mine and having surface right for 7.50 Acre, 7.88 Acre & 15.53 Acre, Total 30.91 Acres of area is as enclosed as Annexure 8. The area under surface right is being / will be used for mining operation. Further, Surface right area will be accorded by the district administration as & when required with due process which will include land conversation.

40. The SEAC observed the following during the meeting held on 05.11.2022:

- a) The proposal was considered by the State Level Expert Appraisal Committee (SEAC), Odisha in its meeting held on 05.01.2022 for appraisal of the proposal for ToR in pursuance of the MoEF&CC, Govt. of India Notification dated 14th March, 2017. The SEAC, after deliberations on the proposal in terms of the provisions of the Notification dated 14th March, 2017, confirmed the case to be of violation of the EIA Notification, 2006 and recommended for the following:
 - (i) The State Government to take action against the project proponent under the provisions of section 19 of the Environment (Protection) Act, 1986, and further no Consent to Operate to be issued till the project is granted Environmental Clearance.
 - (ii) The project proponent shall be required to submit a bank guarantee equivalent to the amount of remediation plan and natural and community resource augmentation plan with the SPCB prior to the grant of Environmental Clearance. The quantum is recommended by the SEAC based on EIA report and finalized by the regulatory authority i.e. SEIAA, Odisha. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the SEAC and approval of the regulatory authority i.e. SEIAA, Odisha.
 - (iii) Public hearing has already been conducted for the proposal earlier on 10.04.2012, a copy of which is also furnished with EIA/EMP. For this reason, conducting a fresh Public Hearing has been exempted.
- b) EIA/EMP study report has been prepared by a NABET Accredited / NABL Accredited Consultant namely **M/s Kalyani Laboratories Pvt. Ltd. Bhubaneswar**.
- c) Detailed assessment of Ecological Damage, Remediation Plan and Natural and Community Resource Augmentation Plan has been incorporated in the EIA report.
- d) An amount of Rs. 43,00,000.00/- (Rupees Forty-three lakh only) has been estimated in the EIA / EMP report towards the cost of assessment of Environmental / Ecological damage due to violation as well as Natural and Community Resource Augmentation Plan.
- e) There is no specific guideline issued by the MoEF&CC, Govt. of India for assessment of Environmental and Ecological Damage as well as estimation of cost for remediation plan as well as Natural and Community Resource Augmentation Plan.
- f) In the absence of any guidelines, the cost as suggested by the proponent in the EIA report above to be taken into account for remediation plan as well as Natural and Community Resource Augmentation Plan. However, the proponent has to abide by the guidelines if issued by the MoEF&CC, Govt. of India in future and accordingly the proponent has to comply. To this effect, they have to submit an undertaking in form of a legal affidavit.
- g) No record is available in the file about initiation of legal action against the project proponent by the State Govt./SPCB under the provisions of section 19 of the Environment (Protection) Act, 1986 for violation of the EIA Notification, 2006. To this effect, they have to submit a legal affidavit that no legal action is either initiated or pending against them.

41. The SEAC in its meeting held on **05-11-2022** recommended for grant of Environmental Clearance for production of 5509 Ton/Annum of Manganese over mining lease area of 43.532 Ha. at Village - Patamunda, Tahasil - Koida, District - Sundergarh, Odisha with the following specific conditions in



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terms of the provisions of the MoEF&CC, Govt. of India notification dated 14th March, 2017 and SoPs for violation cases issued by the MoEF&CC, Govt. of India in addition to the stipulated conditions. **However, the Environmental Clearance shall be issued by the SEIAA after receipt of relevant bank guarantee as stated above.**

- (i) The SEAC recommended for an amount of ₹ 43,00,000.00/- (Rupees Forty three lakh only) towards Remediation plan and Natural and Community Resource Augmentation plan as the proponent has gone for excess production of chromite Ore without prior Environmental Clearance under EIA Notification, 2006.
- (ii) The project proponent shall be required to submit a bank guarantee of an amount of ₹ 43,00,000.00/- (Rupees Forty-Three lakh only) towards Remediation plan and Natural and Community Resource Augmentation plan with the State Pollution Control Board, Odisha prior to the grant of Environmental Clearance.
- (iii) The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the SEAC, Odisha and approval of the regulatory authority (i.e SEIAA, Odisha).
- (iv) The SEIAA, Odisha may consider to request to the Govt. in F&E Deptt., Govt. of Odisha to take action against the project proponent under the provisions of section 19 of the Environment (Protection) Act, 1986 for violation of the EIA Notification, 2006. Environmental Clearance is to be issued after initiation of legal action against the project proponent.
- (v) The proponent has to abide by the SoPs for violation cases issued by the MoEF&CC, Govt. of India.
- (vi) Following specific conditions to be stipulated in Environmental Clearance:
 - (a) Haulage road shall be developed and maintained perennially and perpetually by the proponent in consultation with the concerned authority of the Govt.
 - (b) CER related issues as per MoM of public hearing held on 10.04.2012 may be prescribed as special condition in EC.

42. The proposal was placed in the 103rd meeting of SEIAA for consideration of EC. The Authority deliberated on the matter and observed the following:

ADS After going through the EIA/EMP report, the Authority made the following observation:

- a) The cost of EMP plan shall be separate from the remedial plan and Natural & Community Resource Augmentation Plan.
 - b) The certificate of turn over should be obtained from certified Chartered Accountant (CA).
- Further, the authority decided to refer back the proposal to SEAC for re-examination in the light of MoEF&CC, GoI SOP dated 07.07.2021 in regard to amount of penalty to be imposed, amount of bank guarantee to be submitted for remedial plan and Natural & Community Resource Augmentation Plan for the violation involved.

43. The SEAC in its meeting held on dated **27-03-2023** decided to take decision on the issues as requested by the SEIAA, Odisha after receipt of clarification from the proponent about the amount of penalty to be imposed with justification as per the Standard Operating Procedure (SoP) of MoEF&CC, Govt. of India issued Vide OM no. F.NO. 22-21/2020-IA.III, dated 07.07.2021.

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of SEAC
1.	The SEAC decided to take decision on the issues as requested by the SEIAA, Odisha after receipt of clarification from the proponent about the amount of penalty to be imposed with justification as per the	Amount of penalty estimated in respect of the Patamunda Manganese Mines following Standard Operating procedure of MoEF &CC, Govt of India; has been detailed in the final EIA/EMP Report. The	a) Cost proposed for Remediation Plan, Natural Resource Augmentation Plan & Community Augmentation Plan for Damage Assessment Rs. 22,38,000.00. b) The certificate of turnover obtained from certified



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	<p>Standard Operating Procedure (SoP) of MoEF&CC, Govt. of India issued Vide OM No. F.No. 22-21/2020-IA.III, dated 07.07.2021.</p>	<p>excerpts of which has been attached herewith as Annexure -1.</p>	<p>Chartered Accountant (CA) for the period of 1996 to 2011: Rs.2,93,91,218.00. Cost of project – 295lakhs. So, total penalty due to violation is Rs. 3,68,478.00. Since, the project proponent has suo - moto reported the violation, so as per the OM the penalty is halved which comes out to be Rs. 1,84,239.00 to be paid for the violation.</p>
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44. The Committee observed the followings:

- Cost proposed for Remediation Plan, Natural Resource Augmentation Plan & Community Augmentation Plan for Damage Assessment is Rs. 22,38,000/- (Rupees twenty-two lakhs thirty-eight thousand only).
- Cost of assessment of Environmental / Ecological damage due to violation is Rs. 43,00,000/- (Rupees forty-three lakhs only).
- Total cost towards Remediation Plan, Natural Resource Augmentation Plan & Community Augmentation Plan for Damage Assessment & assessment of Environmental / Ecological damage is Rs. 65,38,000/- (Rs. 22,38,000 + Rs. 43,00,000/-) for which the proponent has to submit Bank guarantee with the State Pollution Control Board, Odisha prior to the grant of Environmental Clearance.
- Total cost of the project is Rs. 295 lakhs and 1% of the project cost is Rs. 2,95,000/-
- The certificate of turnover obtained from certified Chartered Accountant (CA) for the period of 1996 to 2011 is Rs.2,93,91,218/- and 0.25% of the turnover is Rs. 73,478/-
- Total penalty to be paid by the proponent as per SoP of MoEF & CC, Govt. of India dtd. 07.07.2021 for violation is (1% of the project cost + 0.25% of turnover) = Rs. 2,95,000 + Rs. 73,478 = Rs. 3,68,478/- (Rupees three lakhs sixty-eight thousand four hundred seventy-eight only).**
- The proponent has intimated that they have suo-moto reported the violation and claimed that they may be allowed to pay half of the total penalty calculated as SoP of MoEF & CC, Govt. of India dtd. 07.07.2021 for violation. But violation was observed by SEAC, while considering the TOR and they have not suo-moto applied for violation. Hence, they have to deposit full penalty amount i.e., Rs. 3,68,478/- (Rupees three lakhs sixty-eight thousand four hundred seventy-eight only).

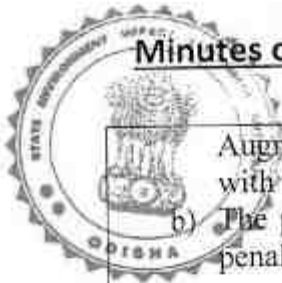
Considering the above & after detailed discussion, the SEAC recommended the following:

- The project proponent shall be required to submit a Bank Guarantee (BG) of an amount of Rs. 65,38,000/- towards Remediation Plan, Natural Resource Augmentation Plan & Community Augmentation Plan for Damage Assessment & assessment of Environmental / Ecological damage with the State Pollution Control Board, Odisha prior to the grant of Environmental Clearance.
 - The proponent has to deposit separately (other than BG) an amount of Rs.3,68,478/- towards the penalty for violation as per SoP of MoEF & CC, Govt. of India dtd. 07.07.2021.
1. Any deficiencies/omission have been noticed in the above documents- Nil

1. **Whether SEAC recommended the proposal** –Yes, the SEAC recommended the proposal for EC in its meeting held on 19.06.2023 above mentioned additional conditions.

The SEAC recommended the following:

- The project proponent shall be required to submit a Bank Guarantee (BG) of an amount of Rs. 65,38,000/- towards Remediation Plan, Natural Resource Augmentation Plan & Community



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Augmentation Plan for Damage Assessment & assessment of Environmental / Ecological damage with the State Pollution Control Board, Odisha prior to the grant of Environmental Clearance.

- b) The proponent has to deposit separately (other than BG) an amount of `3,68,478/- towards the penalty for violation as per SoP of MoEF & CC, Govt. of India dtd. 07.07.2021.

2. The proposal was placed in the 133rd meeting of SEIAA held on 22.08.2023 & 24.08.2023 and after detailed deliberation in the matter, the Authority decided to seek additional information/ document on the following:

- (i) The PP is required to submit lease sanction order from the State Govt. as per EC application.
- (ii) The PP is required to submit year wise certified production figure from the competent Authority, Steel & Mines Dept, Govt. of Odisha from 1993-94 to till date.
- (iii) The PP is required to submit year wise permitted quantity as per CTO obtained from SPCB, Odisha from 1993-94 to till date.
- (iv) The PP shall submit the KML file of the project.

Now the PP has submitted the ADS letter raised by SEIAA for consideration of EC.

Decision Of Authority: Approved

The authority perused the letter dated 13.10.2023 of Director of Mines & Geology, Steel & Mines Deptt. Govt. of Odisha stating that the mining lease is deemed to be subsisting and the period of mining lease is likely to be extended up to 11.02.2046 (for total lease period of 50 years) under the provision of Section 8A (3) of MMDR (Amendment) Act, 2015 as per the Government proceeding dated 11.10.2023.

After detailed deliberation in the matter the authority allowed grant of EC as per the recommendation of SEAC in accordance with MoEF & CC, Govt. of India guideline with regard to SOP dt. 07.07.2021 for Identification and handling of Violation cases under EIA 2006 dated 07.07.2021 of MoEF & CC, GoI Subject to the following Specific Conditions:

- a) The PP shall deposit a Bank guarantee of Rs.65,38,000/- with SPCB, Odisha towards Remediation Plan & natural & Community Resource Augmentation Plan.
- b) The PP shall deposit an amount of Rs.3,68,478/- with SPCB, Odisha towards Penalty for violation.
- c) The Govt. of Odisha may be requested for taking legal action for the violation as per the provision of EP Act, 1986.


Member Secretary, SEIAA

APPROVED BY


Member, SEIAA


3.11.2023
Chairman, SEIAA



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AGENDA NO.141.07	
Proposal No.	SIA/OR/MIN/300560/2023
Date of application	24.07.2023
File no.	SEIAA-298/07-2020
Project Type	Proposal for Amendment of EC based replenishment study report of sand
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Amendment of EC of Kharanipada River Sand Quarry over an area of 1.00 Ac. or 0.405 Ha at village Kharanipada, Tahsil Patrapur Dist-Ganjam
Name of the company/Organization	Shri Tarak Nath Das
Location of Project	village Kharanipada, Tahsil Patrapur Dist-Ganjam
ToR Date	N/A
Name of the Consultant	N/A

1. **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 SEAC/SEIAA, are given as under.
- (ii) This is a proposal for amendment of EC of Kharanipada River Sand Quarry over an area of 1.00 Ac. or 0.405 Ha at village Kharanipada, Tahsil Patrapur Dist-Ganjam.
- (iii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. 9751/SEIAA dated 25.11.2020 for Kharanipada River Sand Quarry over an area of 1.00 Ac. or 0.405 Ha at village Kharanipada, Tahsil Patrapur Dist-Ganjam.
- (iv) During EC application the PP has submitted required documents along with mining plan where it is mentioned that mineable reserve of the proposed sand was 4642 cum with depth of sand deposition was 2.0 meter and proposed for annual extraction-2830 cum.
- (v) The SEIAA also granted EC for 1st year production **2830 cum** with depth of mining 1.27 meter.
- (vi) There is an EC conditions point no. 9.1 to 9.2 in page no. 03 that "Pending carrying out of the study & submission of the report, this clearance is being granted in an adhoc manner and is liable to be revoked after one year i.e. after 15th November 2021 if satisfactory replenishment study report is not submitted."
- (vii) The PP has submitted EC compliance report and mentioned that **2830 cum** sand already extracted from the source for the 1st year lease period 2021-22.
- (viii) Now, the PP has submitted amendment of EC application and submitted replenishment study report by RQP Sri Amresh Rath with mentioned that available mineable sand deposit is 4642 cum as per approved mining plan and sand deposit after post-monsoon is around 3156 cum and 2nd year proposed production is 2830 cum.
- (ix) 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 7th, 8th & 11th Sept, 2023 and after detailed discussion, the SEAC observations the following- The PP may be permitted to extract 2830m³ as per the approved mining plan, since the total mineable reserve available after 1st year including the replenished amount. The water course shall not be disturbed due to mining.

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Decision of Authority: Approved

After detailed deliberation in the matter, the Authority decided to allow amendment in EC with the following specific condition:

- Maximum quantity of extraction of sand shall be **2830 cum** in the 2nd year as per SEAC recommendation. The PP is required to carry out the Annual rate of replenishment study (ARRS) through ORSAC empanel agency by 31st December 2024.
- The validity of EC for 2nd year is subjected to validity of DSR or validity of lease period, whichever is earlier.



Dr. ...
3.11.2023



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AGENDA NO.141.08	
Proposal No.	SIA/OR/MIN/302869/2023
Date of application	04.08.2023
File no.	SEIAA-3864
Project Type	Proposal for Amendment of EC based replenishment study report of sand
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Amendment of EC of Birajadunathpur Sand Quarry River Baitarani over an area of 12.35 acres or 4.997 hectares in village Birajadunathpur under Karanjia Tahasil in Mayurbhanj District Odisha
Name of the company/Organization	Md. Nurul Islam
Location of Project	village Birajadunathpur under Karanjia Tahasil in Mayurbhanj District Odisha
ToR Date	N/A
Name of the Consultant	N/A

1. 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 SEAC/SEIAA, are given as under.
- (ii) This is a proposal for amendment of EC of Birajadunathpur Sand Quarry River Baitarani over an area of 12.35 acres or 4.997 hectares in village Birajadunathpur under Karanjia Tahasil in Mayurbhanj District Odisha.
- (iii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. 2845/SEIAA dated 22.09.2021 for Birajadunathpur Sand Quarry River Baitarani over an area of 12.35 acres or 4.997 hectares in village Birajadunathpur under Karanjia Tahasil in Mayurbhanj District Odisha.
- (iv) During EC application the PP has submitted required documents along with mining plan where it is mentioned that mineable reserve of the proposed sand was 40435 cum with depth of sand deposition was 1.0 meter and proposed for annual extraction-8087 cum.
- (v) The SEIAA also granted EC for 1st year production **5000 cum** with depth of mining 0.5 meter.
- (vi) There is an EC conditions point no. 9.1 to 9.2 in page no. 03 that "Pending carrying out of the study & submission of the report, this clearance is being granted in an adhoc manner and is liable to be revoked after one year i.e. after 15th November 2021 if satisfactory replenishment study report is not submitted."
- (vii) Initially, the PP has submitted replenishment study report by ORSAC empanel agency M/s. Geoid Resource Pvt. Ltd. with mentioned that the extractable sand available after post-monsoon is 1489.13 cum within the workable area is **881.77 sqm**. However, the volume of sand available after post-monsoon is around **1489.13 cum**, which will be safe extractable.
- (viii) The proposal was placed in the SEAC meeting held on 20.02.2023 and the SEAC recommended the following:
 - a) The Environmental Clearance has been approved for higher capacity i.e. **5400 (max) cum/annum**. Now they have applied for modification of EC along with the



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replenishment study report and applied for less capacity than the approved capacity i.e. **5400 cum/year** while sand available as per replenishment study is **1352.60cum**. Hence, SEIAA may take decision on the basis of quantity replenished as the same is less than the amount permitted in the EC.

- (i) The EC Amended by SEIAA in the 112th meeting held on 05.06.2023 and allowed production for 2nd year 4760 cum (i.e. 5000 cum of sand allowed in 1st year-240 cum extracted quantity in 1st year) as there was net loss of sand hence rejected ARSS and production allowed in adhoc basis with condition that the PP shall submit ARRS report by 31st December 2024..
- (ii) The Tahasildar has clarified that after obtaining amendment of EC on 05.06.2023 the quarry is not operated and a joint visit was made and the committee found that 1489.13 cum of sand is deposited in an area of 881.77 sqm and other part of area is water logged.
- (iii) Now, the PP has submitted amendment of EC application and submitted replenishment study report by Geoid, ORSAC Empanel Agency with mentioned that sand replenished 1489.13 cum in 881.77 workable area and 3rd year proposed production is 1489.13 cum.
- (iv) 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 7th, 8th & 11th Sept. 2023 and after detailed discussion, the SEAC observations the following- The SEAC observed that the Pre and Post monsoon replenishment studies have been carried out by two different methods. It is recommended to carry out the replenishment study of both the seasons by a single method.

Hence, the replenishment study report is not acceptable. Fresh replenishment study report may be submitted to consider the proposal.

Decision of Authority: Rejected

The authority accepted the recommendation of SEAC and decided that the PP is required to furnish fresh replenishment study report through ORSAC empanel agency as per MOEF&CC, Govt. of India Guidelines on sustainable mining of sand.


Member Secretary, SEIAA

APPROVED BY

Member, SEIAA


Chairman, SEIAA



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AGENDA NO.141.09	
Proposal No.	SIA/OR/MIN/303049/2023
Date of application	08.08.2023
File no.	SEIAA-1041/12-2020
Project Type	Proposal for Amendment of EC based replenishment study report of sand
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Amendment of EC of Dhanipur Sand Quarry over an area of 12.35 acres or 5.0 hectares in village Dhanipur under Narsinghpur Tahasil in Cuttack District Odisha
Name of the company/Organization	Sri Narayan Biswal
Location of Project	village Dhanipur under Narsinghpur Tahasil in Cuttack District Odisha
ToR Date	N/A
Name of the Consultant	N/A

I. 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 SEAC/SEIAA, are given as under:
- (ii) This is a proposal for amendment of EC of Dhanipur Sand Quarry over an area of 12.35 acres or 5.0 hectares in village Dhanipur under Narsinghpur Tahasil in Cuttack District Odisha.
- (iii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. 982/SEIAA dated 24.03.2021 for Dhanipur Sand Quarry over an area of 12.35 acres or 5.0 hectares in village Dhanipur under Narsinghpur Tahasil in Cuttack District Odisha.
- (iv) During EC application the PP has submitted required documents along with mining plan where it is mentioned that mineable reserve of the proposed sand was 58893 cum with depth of sand deposition was 1.5 meter and proposed for annual extraction-50001 cum.
- (v) The SEIAA also granted EC for 1st year production **50001 cum** with depth of mining 1.5 meter.
- (vi) There is an EC conditions point no. 9.1 to 9.2 in page no. 03 that "Pending carrying out of the study & submission of the report, this clearance is being granted in an adhoc manner and is liable to be revoked after one year i.e. after 15th may 2022 if satisfactory replenishment study report is not submitted."
- (vii) The PP has submitted EC compliance report and mentioned that **34081 cum** sand already extracted from the source for the period 2021-22 & 48147 cum for the period 2022-23.
- (viii) Now, the PP has submitted amendment of EC application and submitted replenishment study report by My World Consultancy Services Pvt. Ltd. with mentioned that Pre-monsoon R L is 48.56 m and Post-monsoon RL is 49.52 m an quantity of sand replenished is 31897 cum and proposed quantity for next year is 31897 cum.
- (ix) 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 7th, 8th & 11th Sept, 2023 and after detailed discussion, the SEAC observations the following- The SEAC observed that the Pre and Post monsoon replenishment studies have been carried out by two different methods. It is recommended to carry out the replenishment study of both the seasons by a single method.

Hence, the replenishment study report is not acceptable. Fresh replenishment study report may be submitted to consider the proposal.

Decision of Authority: Approved

The authority accepted the recommendation of SEAC and rejected the amendment in EC proposal as the ARSS has not been done as per MOEF&CC, Govt. of India Guidelines on sustainable mining of sand. Further, the authority allowed 15920 cum of sand for the 2nd year on adhoc manner (i.e. 1st year production allowed in EC 50001 cum – already extracted quantity of 34081 cum in 1st year) along with the following additional stipulation.

- The validity of EC for 2nd year is subjected to validity of DSR or validity of lease period, whichever is earlier.
- The PP is required to carry out the Annual rate of replenishment study (ARRS) through ORSAC empanel agency by 31st December 2024.


Member Secretary, SEIAA

APPROVED BY


Member, SEIAA


3.11.2023
Chairman, SEIAA

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- (ii) Both pre and post monsoon survey has been done by drone. Average pre-monsoon R.L is 18.280m and post-monsoon R.L. is 17.898m. It indicates there is scour of 0.442m. Hence the proposal is liable for rejection.

Fresh replenishment study report may be submitted to consider the proposal.


Decision of Authority: Approved

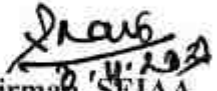
The authority accepted the recommendation of SEAC and rejected the amendment in EC as the ARSS has not been done as per MOEF&CC, Govt. of India Guidelines on sustainable mining of sand. However, the authority allowed 1429 cum of sand for the 2nd year on adhoc manner (i.e. 1st year production allowed in EC 7000 cum – already extracted quantity of 5571 cum in 1st year) along with the following additional stipulation.

- The validity of EC for 2nd year is subjected to validity of DSR or validity of lease period, whichever is earlier.
- The PP is required to carry out the Annual rate of replenishment study (ARRS) through ORSAC empanel agency by 31st December 2024.


Member Secretary, SEIAA

APPROVED BY


Member, SEIAA


Chairman, SEIAA



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AGENDA NO.141.10

Proposal No.	SIA/OR/MIN/303070/2023
Date of application	09.08.2023
File no.	SIA/OR/MIN/257245/2022
Project Type	Proposal for Amendment of EC based replenishment study report of sand
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Amendment of EC of Digambarpur River Sand Quarry over an area of 12.00 acres or 4.856 hectares in village Digambarpur under Danagadi Tahasil in Jajapur District Odisha
Name of the company/Organization	Sri Gyanaranjan Mohapatra
Location of Project	village Digambarpur under Danagadi Tahasil in Jajapur District Odisha
ToR Date	N/A
Name of the Consultant	N/A

1. 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 SEAC/SEIAA, are given as under.
- (ii) This is a proposal for amendment of EC of Digambarpur River Sand Quarry over an area of 12.00 acres or 4.856 hectares in village Digambarpur under Danagadi Tahasil in Jajapur District Odisha.
- (iii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. 2887/SEIAA dated 28.09.2021 for Digambarpur River Sand Quarry over an area of 12.00 acres or 4.856 hectares in village Digambarpur under Danagadi Tahasil in Jajapur District Odisha.
- (iv) During EC application the PP has submitted required documents along with mining plan where it is mentioned that mineable reserve of the proposed sand was 50038 cum with depth of sand deposition was 1.5 meter and proposed for annual extraction-50000 cum.
- (v) The SEIAA also granted EC for 1st year production **7000 cum** with depth of mining 0.75 meter.
- (vi) There is an EC conditions point no. 9.1 to 9.2 in page no. 03 that "Pending carrying out of the study & submission of the report, this clearance is being granted in an adhoc manner and is liable to be revoked after one year i.e. after 15th may 2022 if satisfactory replenishment study report is not submitted."
- (vii) The PP has submitted EC compliance report and mentioned that **5571 cum** sand already extracted from the source for 1st year (06.04.2022 to 30.12.2022).
- (viii) Now, the PP has submitted amendment of EC application and submitted replenishment study report by My World Consultancy Services Pvt. Ltd. with mentioned that Pre-monsoon RL is 17.838 m and Post-monsoon RL is 18.280 m an quantity of sand replenished is 6870 cum and proposed quantity for next year is 6870 cum.
- (ix) 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 7th, 8th & 11th Sept, 2023 and after detailed discussion, the SEAC observations the following-

- (ii) At sl no 1.3 of report there is mention of Jajpur Tahasildar which needs clarification as the mine is in the jurisdiction of Danagadi Tahasil.