



Minutes of 146th Meeting of SEIAA, Odisha held on 11.12.2023

AGENDA NO.146.01

Proposal No.	SIA/OR/INFRA2/451679/2023
File No.	451679/517-INFRA2/11-2023
Date of application	07.11.2023
Project Type	New proposal for EC coming under violation category as building already constructed
Category	B1
Project/Activity including Schedule No.	8(b) Area Development Project
Name of the Project	Proposal for Environmental Clearance of M/s. XIM University for Construction of New Hostel Block Building of XIM University Bhubaneswar over an built up area of existing campus is having total built-up area 1,68,230 sqm. (Existing-1,44,160.0 sqm. + proposed built-up area 24,077.0 sqm) over plot an area-2,22,575.40 sqm. / 55 acres at Plot No. 12(A), Nijigada Kurki, Harirajpur, Dist- Puri of Sri Basant Kumar Mohanty- Violation EC
Name of the company/Organization	Basant Kumar Mohanty, Administrative Officer
Location of Project	Plot No.No. 12(A), Nijigada Kurki, Harirajpur, Dist- Puri
Date of issue of ToR	15.09.2023
Name of Consultant	M/s Centre for Envotech & Management Consultancy Pvt. Ltd, Bhubaneswar

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 SEIAA, are given as under.
 - i) This proposal is for Environmental Clearance of M/s. XIM University for Construction of New Hostel Block Building of XIM University Bhubaneswar over an built up area of existing campus is 144160.0 sqm at No. 12(A), Nijigada Kurki, Harirajpur, Dist- Puri of Sri Basant Kumar Mohanty.
 - ii) Category: The project falls under category "B" or activity 8(b): Township & Area Development Projects under EIA Notification dated 14th September 2006 as amended from time to time.
 - iii) Project details: Earlier, the project proponent had applied for Environment Clearance to SEIAA on 15.09.2014 for 1,44,160.0 sqm Built up Area and the SEAC presentation was held on 29.11.2014. But as per the Gazette of India, Notification dt. 22nd Dec., 2014; Educational Institutes having less than 1,50,000 sq. mtrs. of buildup area are exempted from obtaining Environmental Clearance. So other project are exempt from obtaining Environment Clearance. Now, they have planned to increase the built up area from 1,44,160.0 sqm to 1,68,237.0 sqm due to Construction of a New Hostel Block. Hence, they are applying herewith for Environment Clearance.
 - iv) Statutory clearances: Terms of Reference (TOR) under violation category has been granted by SEIAA, Odisha vide proposal no. SIA/OR/MIS/76437/2022, dated 15.09.2023.
 - v) BDA has approved the building plan for Hostel Block vide letter no. 4308/BDA, Bhubaneswar, dated 06.02.2023. BDA has approved the building plan for existing project vide letter no. 15450/BDA, Bhubaneswar, dated 30.04.2022. NOC From IDCO for Water Supply vide letter no. IDCO/BCD-II/900, Dated 18.07.2012.

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- vi) Location and Connectivity – The campus is located in the Village- Kurki, Mouza- Nijigarh under Pipli Block, Puri District of Odisha. The Geographical coordinate of the project site is: Latitude - 20° 09' 22.18" N & Longitude - 85° 45' 59.36" E. The site falls in the Survey of India toposheet no. 73H/12 & 73H/16. The site is located about 13.8 kms away from the Baramunda Bus Stand and 11.5 kms from the Biju Patnaik International Airport, Bhubaneswar. Bhubaneswar railway station is approximately 14.7 kms from the campus. Sundarapada-Jatani road is passing near by the project site.
- vii) The site is coming under Bhubaneswar Development Authority (BDA).
- viii) The total plot area = 2,22,575.40 sqm/55 Acre (Existing- 35 Acre and Additional- 20). Total Built up Area = 1,68,237.0 sqm (Existing- 1,44,160.0 sqm and Additional- 24,077.0 sqm)
- ix) The Building Area Details of the Project in tabulated form

Particular	Existing	Proposed	Total
Plot Area	1,41,169.0 sqm (35 Acre)	81,406.4 sqm (20 Acre)	2,22,575.40 sqm (55 acre)
Ground Coverage	31,389.0 sqm (14.10%)	2,781.0 sqm (1.25%)	34,165.3 sqm (15.35%)
Total Built up Area	1,44,160.0 sqm	24,077.0 sqm	1,68,237.0 sqm
FAR	0.63	0.11	0.74
Maximum Height	--	--	28.35 m
Road & Paved Area	--	--	47,187.1 sqm
Basement Parking	1,050.0 sqm	--	1,050.0 sqm
Stilt Parking	1,538.0 sqm	--	1,538.0 sqm
Surface Parking	55,438.0 sqm	11,862.0 sqm	67,300.0 sqm
Total Parking Area	58,026.0 sqm	11,862.0 sqm	69,888.0 sqm
Green Belt Area	29,075.0 sqm	44,848.0 sqm	73,923 sqm (33.2% of the plot area)
Power/Electricity Requirement & Sources	3420.0 KW Source: TPCODL	---	3420.0 KW Source: TPCODL
No. of DG sets	4x250 KVA, 2x500 KVA, 2x1010 KVA, 1x125 KVA, 1x62.5 KVA	--	4x250 KVA, 2x500 KVA, 2x1010 KVA, 1x125 KVA, 1x62.5 KVA
Fresh Water requirement & Sources	192.0 KLD Source: IDCO Supply	81.0 KLD Source: IDCO Supply	273.0 KLD Source: IDCO Supply
Sewage Treatment Plant	STP – 300 KLD	STP – 250 KLD	STP – 550 KLD

- x) Water requirement: Fresh make up of 273.0 m³/day will be required for the project which will be sourced from IDCO Water Supply. Total waste water generated from the institutional building is 353.4 KLD which is treated in STP of Capacity 550 KLD. Rain Water harvested through 82 nos. of Rain Water recharging pits & also rain water is harvested through Rain Water Harvesting Pond.

Sl. No.	Description	Total Population	Per Capita Consumption (ltr/day)		Water Requirement (KLD)		
			Fresh	Flushing	Domestic	Flushing	Total
1.	Institutional	3000 nos.	Fresh (90)	Flushing (45)	270.0	135.0	405.0

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2	Floating	600 nos.	Fresh (5)	Flushing (10)	3.0	6.0	9.0
TOTAL					273.0	141.0	414.0

Details	Water (KLD)
Water requirement for domestic purpose	273.0
Wastewater generated from domestic use (@ 80 % of domestic water requirement)	218.4
Water requirement for Flushing Purpose	135.0
Wastewater generated from Flushing (@ 100 % of flushing requirement)	135.0
Total Wastewater generated	218.4+135 = 353.4 KLD
Sewage Treatment Plant Capacity	550 KLD (0.55 MLD)
STP Loss (5 % of wastewater generation)	17.7
Recycled water form STP @ 95 % of wastewater generated	335.7

- xi) Power requirement: Total Power requirement of the building is 3420.0 KW, Source is TPCODL, 4x250 KVA, 2x500 KVA, 2x1010 KVA, 1x125 KVA, 1x 62.5 KVA DG Sets are provided. Total 620.0 KW Solar Power Generation which is 5% of total power required in project.

Power Requirement	3420.0 KW
Source	TPCODL of Odisha State Electricity Board
Backup Power	4x250 KVA, 2x500 KVA, 2x1010 KVA, 1x125 KVA, 1x62.5 KVA
Solar Power	620 Solar Panel installed at Campus

- xii) Rain Water Harvesting: Total 4584 cum Rain Water is harvested through 82 nos. of recharge pits & one 60,000 cum Rain Water Harvesting Pond.

- xiii) Parking Requirement: Total parking area provided is 69706.0 Sq.mt. and total 2780 nos. of ECS and location of parking area is Basement, Stilt & Open.

Parking Area Provided			
Basement Parking	--	--	1,050.0 sqm
Stilt Parking	--	--	1,538.0 sqm
Surface Parking	--	--	67,300.0 sqm
Total Parking	--	--	69,888.0 sqm
Equivalent car space Provided			
	Area (sqm)	Area/ECS	
Basement Parking	1,050	32	33 ECS

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Stilt Parking	1,538	28	55 ECS
Surface Parking	67,300	25	2,692 ECS
Total Parking Provided			2,780 ECS

- xiv) Fire fighting Installations: Fire Fighting will be provided as per NBC Norms.
- xv) Green Belt Development: Green belt is developed over an area of 73923 sqm which is 33.2% of the total plot area. Total 4440.0 nos. of plants to be planted and 3 tier plantation.
- xvi) Solid Waste Management: Solid waste generated and its management.

Solid Waste Generation

Description of waste	Total no. of population	Per capita generation of waste in kg/day	Quantity of waste generate (in kg/day)
Institutional Building	3000	0.45	1350.0
Road Sweeping	600	0.15	90.0
STP sludge		--	40.0
TOTAL SOLID WASTE GENERATED			1480.0kg/day

- xvii) Project cost: The estimated project cost is 15.0 Crores and cost for EMP is 2.62 Crores.
- xviii) Violation penalty: The Penalty Provisions as per Notification F. No. 22-21/2020-IA.III, dated 07.07.2021 is 1% of the total project cost. The cost assessment related to environmental degradation and its remediation as stated above would be: Rs. 7,20,000/-

Table: Total Budgetary Allocation

Sr. No.	Description	Estimated Cost (Rs.)
1.	Estimated cost of damage/remediation with respect to ecological aspects	7,20,000.00
2.	Community resource augmentation plan	1,50,000.00
	Net Expenditure:	8,70,000.00

- xix) Environment Consultant: The Environment consultant M/s Centre for Envotech & Management Consultancy Pvt. Ltd, Bhubaneswar along with the proponent made a presentation on the proposal before the Committee.
- xx) The Committee observed the followings;
- Cost proposed for Remediation Plan, Community Resource Augmentation Plan for Damage Assessment is Rs. 8,70,000.00/- (Rupees eight lakhs seventy thousand only).
 - Cost of assessment of Environmental / Ecological damage due to violation is Rs. 7,20,000.00/- (Rupees Seven lakhs and twenty thousand only).
 - Total cost towards Remediation Plan, Natural Resource Augmentation Plan for Damage Assessment & assessment of Environmental / Ecological damage is Rs. 8,70,000.00/- (Rupees eight lakhs seventy thousand only) 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. 15.01 Crores as certified by Chartered Accountant and 1% of the project cost is Rs.15,01,758.
 - 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) = Rs.15,01,758.
 - This is an educational institution and they have not started any activity from which they will gain profit. Hence the annual turnover in this case is zero.
 - There is no information available with the SEAC, if the State Govt. has initiated legal action against the project proponent under the provisions of section 19 of the Environment (Protection)

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Act, 1986,
xxi) Any deficiencies/omission have been noticed in the above documents- Nil

2. Whether SEAC recommended the proposal – Yes, the proposal was placed in SEC meeting held on 02.12.2023 and the SEAC recommended for grant of Environmental Clearance for the project valid for a period of 10 years with the following specific conditions in terms of the provisions of the MoEF&CC, Govt. of India notification dated 14th March, 2017 in addition to the conditions stipulated as per **Annexure – B. However, EC to be issued to the proponent after State Government file legal case against the project proponent under the provisions of section 19 of the Environment (Protection) Act, 1986.**

- a) The Project Proponent shall submit a Bank Guarantee (BG) of an amount of Rs. 8,70,000.00/- (Rupees eight lakhs seventy thousand only) 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.
- b) The proponent shall deposit separately (other than BG) an amount of Rs.15,01,758 towards the penalty for violation as per SoP of MoEF & CC, Govt. of India dtd. 07.07.2021.
- c) 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).
- d) The project proponent shall make adequate arrangement for environmental monitoring post construction phase.

Decision of Authority: ADS

The Authority perused the recommendation of SEAC and decided that EC shall be considered on compliance of the following:

- a) The State Govt. to file legal case against the PP under the provision of Section 19 of the EP Act 1986.
- b) The PP to submit the compliance report from the MoEF&CC Regional Office, Bhubaneswar to ensure sustainable environmental management in pursuance of OM No. F.No. 19-2/2013-IA-III dated 09.06.2015 read with Notification No. SO. 3252 (E) of 22nd December, 2014 under EIA Notification, 2006.
- c) The Project Proponent shall submit a Bank Guarantee (BG) for an amount of Rs. 8,70,000.00/- (Rupees eight lakhs seventy thousand only) 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 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).
- d) The proponent shall deposit separately (other than BG) an amount of Rs.15,01,758 towards the penalty for violation as per SoP of MoEF & CC, Govt. of India dtd. 07.07.2021.

APPROVED BY


Member Secretary, SEIAA


Member, SEIAA


Chairman, SEIAA

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AGENDA NO.146.02

Proposal No.	SIA/OR/INFRA2/432609/2023
File No.	432609/16-INFRA2-V/06-2023
Date of application	09.06.2023
Project Type	New proposal for EC under violation category as already some built-up area constructed earlier.
Category	B
Project/Activity including Schedule No.	8(a) Building & Construction Project
Name of the Project	Proposal for Environmental Clearance of Bhubaneswar Development Authority for Construction of B+S+9 storied commercial/residential apartment having already constructed built-up area for the project was 17923 Sq.m. At present with parking area of 7477 Sq.m the total builtup area is now 25,400 Sq.m i.e > 20,000 Sq.m at Bhagabanpur Mouza, Bhubaneswar, Khordha of Sri Lokanath Prasad Mohapatra- EC (Violation Case)
Name of the company/Organization	Bhubaneswar Development Authority (BDA)
Location of Project	at Bhagabanpur Mouza, Bhubaneswar, Khordha
Date of issue of ToR	28.04.2023
Name of Consultant	M/s Kalyani Laboratories Pvt. Ltd., Bhubaneswar

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 SEIAA, are given as under.
- This proposal is for Environmental Clearance of Bhubaneswar Development Authority for Construction of B+S+9 storied commercial/ residential apartment construction with built-up area for the project was 17923 Sq.m. At present with parking area of 7477 Sq.m the total builtup area is now 25400 Sq.m i.e > 20,000 Sq.m at Bhagabanpur Mouza, Bhubaneswar, Khordha of Sri Lokanath Prasad Mohapatra.
 - Category:** This project falls under Category "B", Project or Activity 8(a) Building and Construction projects as per EIA Notification dated 14th Sep, 2006 as its amendments.
 - Project details:** BDA was constituted on 1st Sept, 1983 under provisions of ODA Act, 1982. Initially, 115 revenue villages of Bhubaneswar, Khordha and Jatni were taken into its jurisdiction, but due to bifurcation and inclusion of new villages, at present the number of villages under its jurisdiction stands at 556. The construction project of B+S+9 storied commercial and residential apartment is spread over about 1.48 acres of land, the construction project is for commercial and residential purpose. Total built-up area of the project is 25400 sq.m with parking area of 7477 Sq.m. Green area allocated for the project is 600 sq.m. The project will create commercial facility in the ground and first floor of the project site, parking in the basement and stilt and 7 floors for residential purpose. There will be 70 nos of residential apartments in the project. The construction work for the project has been carried out by Bhubaneswar Development authority as the initial built-up area for the project was 17923 Sq.m. However, after the completion of the project, there

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was the requirement of parking area of 6500 Sq.m. Looking to the additional requirement of parking as the project include commercial space, BDA allocated an area of 7477 Sq.m of the area for parking purpose, leading to total built up area 25400 Sq.m.

- iv) **Violation justification:** As the built-up area is now greater than 20,000 Sq.m, Environment clearance is required for the project as per EIA Notification, 14th September 2006, and subsequent amendments. As the construction of the project has been completed, the project is coming under violation to EIA Notification 2006. Violation ToR was issued for EIA Study by the SEIAA, Odisha vide file no. SIA/OR/INFRA2/414838/2023, dated 28.04.2023.
- v) Land has been allocated by Odisha State Govt. to Bhubaneswar Development Authority for Developmental purpose.
- vi) **Location and connectivity:** The proposed project includes the Plot area of 1.48 Acres with built-up area: 25400 Sqm and located on Khata No. 683/1, Plot No: 86, 193, 347/2415, 1046/1480, 83/1680; Kissam – Gharabari, Mouza – Bhagabanpur, Bhubaneswar, Odisha. The area is located in Survey of India Toposheet No. 73 H/11. The project site is connected by NH16 road and located near DN Regelia mall. The site is surrounded by 30m wide approach road towards south and NH 5 on the north direction. BDA has already taken up residential and commercial projects at Kalinga Nagar.
- vii) **Topography and drainage:** The area for the construction project is in alignment with the surrounding developmental plan of Bhubaneswar. The nearby area is being used for construction of building; apartments used for residential purposes. So the existing land use pattern of the area will not significantly change due to the construction of "Bhubaneswar Development Authority – Bhubaneswar. The drainage of the district is mainly controlled by rivers like The Mahanadi, Kuakhai, Kushabhadra, Daya, Ran, Kalijiri, Sulia, Kharia & the Kusumi. Being a coastal district the river basins are much wider and the sand sources are very much suitable for construction purposes. There is no natural drainage system passing through the project area.
- viii) **Area details:**

Sl No	Building Name	Stories	No. of Dwelling units	Built up area in Sq.m
1.	Basement + Stilt for parking	2	--	7477 Sq.m
2.	Ground + 1st Floor (Commercial)	2	--	5620 Sq.m
3.	2nd Floor – 8th Floor (Residential)	7	70	12303.2 Sq.m
Total Built up area				25400 Sq.m
Total Green area				600 Sq.m (10%)
FAR achieved				2.99
Permissible FAR as per the local bye laws			- 2.25	
Achieved FAR as per the Master Plan			- 2.99	
Max Built up area achieved			- 87756.41 Sq.m	
Max Ground Coverage permissible			- 40%	
Ground coverage achieved as per Master Plan			- 37%	

ix) **Baseline study:**

PERIOD	April 2023
AAQ Monitoring result	PM 10 – 64.7 to 78.6 µg/cu.m; PM2.5 – 35.6 to 43.2 µg/cu.m SO2 – 6.5 – 12.8 µg/cu.m; Nox – 14.4 to 21.5

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Ground water Quality at 6 Locations	pH- 7.2 – 7.3 Total Hardness – 140-160 mg/l, Fluorides – 0.3 to 0.35 mg/l, TDS – 0.5 – 0.8 mg/l, Iron – 0.4 to 0.8 mg/l; Heavy metals (Cd <0.001, Hg<0.0005, As<0.001)
Surface water at 4 locations	pH –7.0 to 7.2, DO- 5.8 to 6.1mg/l, BOD- 1.8- 2.5 mg/l, COD 8 to 15 mg/l, Chloride – 20 to 40 mg/l Heavy metals (Cd <0.001, Hg<0.001, As<0.01)
Noise level at 7 locations	In the project site the daytime noise level is 51.0 dB (A) and the night time noise level is 39.6. The maximum noise level is 53.3 dB (A) during the day time and maximum noise level is 46.5 dB (A) during the night time at Patrapada area.
Soil Quality at 5 locations	pH: 5.4-6.1; Organic Carbon content is moderate to high (0.56 to 0.98%) Nitrogen (N) is Low (176-213 Kg/Ha), Available phosphorus content (28.5 to 33.8 kg/Ha), Available potassium low (84.7-104.8 Kg/Ha). Soil analysis result shows that soils are moderately leached, acidic in reaction, low in available nitrogen content and high in phosphorus content & potassium content. The soil of the area is found to have low fertility.

- x) **Power requirement:** Total electricity requirement for the buildings will be 1597 KW which will be supplied by the central Electricity supply Utility, Bhubaneswar Odisha. Out of the total power requirement, 2x40 KW will be from solar energy and other 1517 KW will be sourced from CESU, Bhubaneswar. Two nos. of D.G set of 380 kVA has been installed for emergency power back up in the housing complex.
- xi) **Solar power generation:** Out of the total energy consumption 5% i.e. 80 KW will be fed from Solar energy. No of Solar panels to be installed are 125 nos. Size of solar panel is 2m x 1 m. Area required for installation of roof top solar panel is 250 sq.m.
- xii) **Water requirement:** Total water requirement for the housing complex will be 100 KLD out of which 70 KLD will be required for domestic purpose and 30 KLD will be required for flushing purpose. Dual plumbing system will be adopted in the buildings. 30 KLD of water required for flushing will be the STP treated water and the fresh water requirement will be 70 KLD.

Sl. No.	Description	Total Population	Fresh Water Requirement				Water Flow To STP				Total	
			Flushing (recycled water)		Domestic (Fresh Water)		Gross Water	Flushing		Domestic		
			LPC D	LPD	LPC D	LPD		LPD	%			LPD
Domestic Water												
1	Housing complex	350	45	15750	90	31500	47250	100	15750	85	26775	42525
2	Commercial area (Floating population)	200	45	9000	90	18000	27000	100	9000	85	15300	24300

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	Commercial area (Fixed population)	200	--	--	55	11000	11000			85	9350	9350
2	Misc.	100	45	4500	90	9000	13500	100	4500	85	7650	12150
Total				29250		69500	98750		29250		59075	88325

Lpd: Litres Per Day

Lpcd: Litres Per Capita Per Day

Total water requirement for the project will be 100 KLD, Out of which 70 KLD will be fresh water required for domestic purpose, 30 KLD will be STP treated water used for flushing and another 30 KLD of STP treated water will be used for gardening purpose

Water will be sourced from PHED

- xiii) **Wastewater generation and management:** About 90 KLD of waste water will be generated from the housing complex and community hall. There is the proposal of establishment of 100 KLD STP.
- xiv) **Rainwater harvesting details:** There is the proposal for rain water harvesting within the project site. The project will create 6 nos of rain water recharge pit with 6m x4.5mx1.5m capacity.
- xv) **Solid-waste generation and management:** About 215 Kg of solid waste will be generated from the propose group housing project which include bio degradable and non biodegradable waste. The recyclable material like thermocol, cartoon boxes, newspaper waste is given back to suppliers for recycling. The non bio degradable waste will be disposed through BMC and the Biodegradable waste will be utilized for composting. The sludge generated from the STP (10 Kg approx.) will be dried in sludge drying yard and used as fertilizer for the plants within the project site.

Generation of solid Waste			
Total Floating Population as calculated in water balance table	400	nos	
25% of the floating population=	100	nos	
Total paved area street sweeping	300	sqm	
NBC Standard			
Type of User	Kg/capita/day	in kgs	
Residential reuse	0.3 to 0.6	160	
Commercial reuse	0.1 to 0.2	40	
Street Sweeping	0.05 to 0.2	15	
Total		215	directly disposed through municipality

- xvi) **Greenbelt:**Total open space available for green belt development is 660 sq.m which is 11% of the total plot area. Further there are four nos. of 15 sq.m area allocated within the building area to be developed as lawn. Total of 165 saplings will be planted within the project site. Proposed species for plantation includes Karanja, Neem, Krushachuda, Chatiana, Ashok, Nageswar, Bottle brush, Kathachampa, Sunari etc. Due to non-availability of space within the project, the proponent (BDA) responsible for responsible for development and greenery development of Bhubaneswar will develop greenery in compensation to this project.

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(vii) **Parking details:** The permissible parking space required for the group housing is 6500 Sq.m. However, the achieved Parking area for the project will be 7477 Sq.m. It has been estimated that per capita requirement of parking space for an Indian household is 230 sq. ft.

(viii) **Traffic details:**

S. No.	Particulars of the Road	NH 16
1.	Type of Carriage way	Four Lane two way
2.	As per IRC: 106 -1990 Lane Capacity (PCU /hour)	3600
3.	Existing Volume Count (PCU)	1370
	V/C Index	0.38
	LOS	C
4.	Incremental Volume Count (PCU)	1444
	V/C Index	0.40
	LOS	C

(xix) **Project cost:** Total project cost is 61.19 Cr. which include all the construction and installation cost of the building.

(xx) **The cost estimated towards Violation as follows -** As per the damage assessment study carried out for the project, the cost allocated is 193.74 Lakhs out of which Rs. 186.14 Lakhs has been already spent in the project and 7.60 Lakhs will be incurred during the next 1 year. For natural resource augmentation programme total cost allocated will be 49.43 Lakhs which will be used for installation of rooftop solar panel and plantation.

Sl. No	Activities	Total Cost (Lakh of Rs.)
A	Budget under Remediation plan based on the damage assessment due to violation	193.74
B	Natural Resource Augmentation Plan	49.43
Total		243.17
Cost allocated for the activities already carried out for the project		186.14 Lakhs
Proposed Budgetary allocation towards implementation of Remediation plan based on the damage assessment and natural resource augmentation plan due to violation		57.03 lakhs
Proposed Mandatory cost of EMP including annual operation cost		110.85

Table: EMP cost

Sl. No	Particulars	Amount (Rs in Lakhs)
Capital Cost		
01	Installation of STP within the project site	45.0
02	Construction of Rain Water Harvesting structure and recharge pits	20.0
03	Plantation along the project boundary	0.5
04	Construction of Surface Water Drains	20.0
05	Construction of DG stack	10.0
06	Solid waste management	2.0
Total		105.5

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Sl. No.	Activities	Allocated Budget (Rs.)/ Annum
Recurring Cost		
1.	Maintenance of STP	4,00,000.00
2.	Plantation and maintenance of the green belt and avenue plantation	25,000.00
3.	Regular maintenance of DG set and monitoring of DG stack	50,000.00
4.	Environmental monitoring	60,000.00
Total		5,35,000.00

- xxi) **Penalty cost for Violation:** In compliance to SoP for violation dated 28.01.2022, penalty provision as calculated will be 1% of the project cost of Rs. 61.19 Lakhs. As per the guideline the percentage rate will be halved if the project proponent suo-moto declares the violation. In this case the proponent has claimed that they have declared the violation and requested that penalty amount should be made halved.
- xxii) **Environment Consultant:** The Environment consultant **M/s Kalyani Laboratories Pvt. Ltd., Bhubaneswar** along with the proponent made a presentation on the proposal before the Committee.
- xxiii) The SEAC in its meeting held on 05.07.2023 recommended the following:
- A. The proponent may be asked to submit the following for further processing of EC application:**
- 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.
 - Disaster management plan for firefighting and provision for diesel-based hydrant.
 - Traffic study report vetted by reputed institute.
 - Details of case filed under violation.
 - Undertaking by PP that no occupant certificate has been issued.
 - Safety measures to be taken, to avoid accidents as the approach road of the project is connected to NH.
 - Total cost of the project & total turnover cost for calculation of penalty.
 - Greenbelt area proposed is 11%. They have to submit a proposal for 20% greenbelt within the project site.
 - The breakup of EMP cost shown in above table are costs of capital investments for creation of facilities as per EMP. Recurring cost given in table below is only Rs.5.35 lakh per annum for these facilities. Hence "**Proposed Mandatory EMP Cost per annum Rs.110.85 lakh**" needs to be corrected accordingly.
- B. The proposed site shall be visited by Sub-Committee of SEAC to verify the followings**
- Environmental settings of the project site.
 - Extent of construction activity.
 - Road connectivity to the project site.
 - Drainage network at the site.
 - Discharge point for discharge of treated water and distance of the discharge point from the project site.
 - Greenbelt area.
 - Any other issues including local issues
- xiv) The proposed site was visited by the sub-committee of SEAC on **08.08.2023**. Following are the observations of the sub-committee
- It is a violation case. BDA officials explained the project layout and plan.

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- b) The project is almost completed. Certain additional plantations were seen inside the boundary. Some more plantations planned adjacent to the boundary.
- c) All required facilities related to Environment like: RWH, green belt, Parking, Separate parking areas and Gates for residential and commercial facilities, STP, Fire corridor etc. were shown by the PP.
- d) They were asked to submit the drain lay out showing the final fall of excess treated water along with NOC from appropriate authority (This could be a condition of EC).
- e) Fire clearance, Airport authority clearance needs to be taken before occupancy and other documents asked during presentation to be submitted.
- f) To submit the details Fire fighting provisions and Solar power to be installed.

xxv) 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	Views of SEAC
1.	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.	The surface level of the project site is 61 mRL. Reduced level of the bottom of the rain water harvesting is 4.5m below the surface level is 56.5 mRL. The depth of ground water table found during the digging of borehole is 45 mRL. The rain water pits are adequate for effective recharge of rain water. Details of rain water calculation and capacity of recharge pit is attached as Annexure 1 .	submitted
2.	Disaster management plan for firefighting and provision for diesel-based hydrant.	Disaster management plan for firefighting measures has been attached as Annexure 2 .	submitted
3.	Traffic study report vetted by reputed institute.	Vetted traffic study report attached Annexure 3 .	Traffic study Report vetted by Trident Academy of Technology. LOS is under "C" category.
4.	Details of case filed under violation.	The govt. is under the process of filing the case under violation. We will be submitting the documents within a month.	Not submitted
5.	Undertaking by PP that no occupant certificate has been issued.	Undertaking by PP that no occupant certificate has been issued attached as Annexure 4 .	Not submitted
6.	Safety measures to be taken, to avoid accidents as the approach road of the project is connected to NH.	The main entrance of the project is open to 9m service road which connect to 30m wide internal road connecting to NH 5. Map showing details of transportation route of the project is attached Annexure 5 .	-
7.	Total cost of the project & total turnover cost for calculation of penalty.	<ul style="list-style-type: none"> • Cost of the project: 61.19 Crores 	-

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		<ul style="list-style-type: none"> • Penalty provision as calculated is as below: • 1% of the project cost: Rs. 61.19 Lakhs • As per the guideline the percentage rate will be halved if the project proponent suo-moto declares the violation. • In this case the violation has been declared by the project proponent (Suo-moto). So the penalty will be halved = Rs. 30.595 Lakhs. 	
8.	Greenbelt area proposed is 11%. They have to submit a proposal for 20% greenbelt within the project site.	An area of 660 sq.m along the boundary of the project site has been developed as green belt. Further another 600 sq.m of area in front of the project site has been developed as green belt. Total green area is 1260 sq.m (21%) of the project site. Proposed species for plantation includes Karanja, Neem, Krushachuda, Chatiana, Ashok, Nageswar, Bottle brush, Kathachampa, Sunari etc. Plantation has been initiated by BDA along the boundary and the open space in front of the project site. Detail plan showing the green belt is attached Annexure 6 .	submitted
9.	The breakup of EMP cost shown in above table are costs of capital investments for creation of facilities as per EMP. Recurring cost given in table below is only Rs.5.35 lakh per annum for these facilities. Hence "Proposed Mandatory EMP Cost per annum Rs.110.85 lakh" needs to be corrected accordingly.	It may be clarified that the capital cost for EMP is Rs. 105.5 Lakhs and Recurring cost for EMP is Rs. 5.35 lakhs per annum. Detail breakup of the EMP cost is attached as Annexure 7 .	submitted
<p>xvi) The SEAC in its meeting held on dated 11-09-2023 decided to take decision on the proposal after receipt of the following from the proponent.</p> <p>a) Total turnover cost of project duly certified by concerned authority for calculation of penalty.</p> <p>b) The proponent has furnished the compliance as follows:</p> <p>(i) The Project Proponent / BDA has not issued any occupancy certificate to any of its allots who have purchased house in respect of the proposed B+S+9 multi storied commercial cum Residential Apartment project at Bhagabanpur Mouza, Bhubaneswar, Khordha. An undertaking in respect of non-issuance of any Occupancy Certificate to the Allottes of the residence has been submitted during appraisal of the application before SEIAA, Odisha vide letter no. 353, Dated 08.06.2023 (Copy enclosed as Annexure-I).</p>			

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- (ii) Since the allottees have not been handed over any of the residence, as per the Standard of Procedure dated 07.07.2021 & 28.01.2022 issued by MoEF & CC; 0.25% of the total turnover is not applicable for estimation of penalty under violation case.
- (iii) Rather 1% of the project cost as certified by the Chartered Accountant identified as penalty amount for estimation and since the violation has suo-moto declared by the User, the penalty amount calculated and levied as 0.5% of the project cost only.
- (iv) The detailed calculation for penalty amount as per project cost has been given below:

Sl No.	Certified Cost of the Project	Penalty amount estimated @ 0.5% of the project cost
1.	Rs. 61,19,999.00	Rs. 30,59,600.00

(Copy of certified issued by the Chartered Accountant enclosed as Annexure-2)

- c) Further, abstract of the Damaged Assessment Report and Natural Resource & Community Augmentation Plan due to violation occurred is detailed as under:

Sl No.	Activities	Cost Allocation
1.	Total Budgetary allocation under Damaged Assessment report and Remediation measures towards. Natural Resource & Community Augmentation Plan estimated	Rs. 243.17 Lakh
2.	Less: Budgetary allocation under Remediation Plan already carried on.	Rs. 186.14 Lakh
3.	Budgetary allocation under Remediation Plan proposed against which Bank Guarantee to be submitted.	Rs. 57.03 Lakh

xxvii) Therefore, it is clarified that an amount of Rs. 30,59,600/- has to released as penalty amount and Rs. 57,03,000/- has to be submitted as bank guarantee amount.

xxviii) **The Committee observed the followings;**

- Cost proposed for Remediation Plan, Natural Resource Augmentation Plan for Damage Assessment is Rs. 243.17 lakhs (Rupees two hundred and forty - three lakhs seventeen thousand only).
- Cost of assessment of Environmental / Ecological damage due to violation is Rs. 193.74 lakhs/- (Rupees one hundred ninety-three lakhs and seventy four thousand only).
- Cost allocated for the activities already carried out for the project – 186.14 lakhs.
- Total cost towards Remediation Plan, Natural Resource Augmentation Plan for Damage Assessment & assessment of Environmental / Ecological damage is Rs. 57.03 lakhs 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. 61.1919999 Crores and 1% of the project cost is Rs. 61.19 lakhs.
- The Project Proponent has certified that Occupancy Certificate Has Not Been Issued By BDA till date.
- 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) = Rs. 61.19 lakhs.
- As per the guidelines the percentage rate will be halved if the project proponent suo-moto declares the violation. In this case the violation has been declared by the project proponent (Suo-moto). So the penalty will be halved = Rs. 30.595 Lakhs (Rupees thirty lakhs and five hundred and ninety- five thousand only).
- The Director (Env.)-cum-Special Secretary to Govt., F&E Deptt., Govt. of Odisha had requested to the Collector and District Magistrate, Khordha to take legal action against the project proponent under the provision of section 19 of the Environment (Protection) Act, 1986 for violation of the EIA Notification, 2006.

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j) The Collector and District Magistrate, Khordha has initiated legal proceeding against the project proponent.

2. Whether SEAC recommended the proposal – Yes, the proposal was placed in SEC meeting held on 18.11.2023 and the SEAC recommended for grant of Environmental Clearance for the project valid for a period of 10 years with the following specific conditions in terms of the provisions of the MoEF&CC, Govt. of India notification dated 14th March, 2017 in addition to the conditions stipulated
- The project proponent shall submit a Bank Guarantee (BG) of an amount of Rs. 57.03 lakhs 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 shall deposit separately (other than BG) an amount of Rs. 30.595 Lakhs towards the penalty for violation as per SoP of MoEF & CC, Govt. of India dtd. 07.07.2021.
 - 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).

Decision of Authority: Approved

The Authority perused the recommendation of SEAC and decided to grant EC with the following:

- The project proponent shall submit a Bank Guarantee (BG) for an amount of Rs. 57.03 lakhs 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 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).
- The proponent shall deposit separately (other than BG) an amount of Rs. 30.595 Lakhs towards the penalty for violation as per SoP of MoEF & CC, Govt. of India dtd. 07.07.2021.

APPROVED BY


Member Secretary, SEIAA


Member, SEIAA


Chairman, SEIAA

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AGENDA NO.146.03

Proposal No.	SIA/OR/INFRA2/436613/2023
File No.	436613/06-INFRA2-V/07-2023
Date of application	15.07.2023
Project Type	New proposal for ToR (Violation Case)
Category	B
Project/Activity including Schedule No.	8(a) Building & Construction Project
Name of the Project	Proposal for Terms of Reference of M/s Trishna Skyscraper Ltd. for Residential Project "TSL Spring City" (Under Violation Category) located at plot no.-180/1261,181/1292, khata No. - 86, plot no. 183 & 202, Khata no. 125, Plot no- 154 (P) & 177 (P), Khata No. -172, plot no. -178,181 & 180/1291, Khata no. 102, plot no. 204,624,625/1061, 203/1360 & 182, Khata no. -215. The site area measures 45,223.24 m ² & total Built-up area (BUA) is 1, 24,121.96 m ² . The PP has already constructed 39,483.11 m ² BUA (~31.81%) at site without prior Environmental Clearance located at Mouza - Kantabada, Bhubaneswar, Tahasil-Bhubaneswar, District - Khurda of Sri Satyabrata Dhir. Violation ToR
Name of the company/Organization	Satyabrata Dhir
Location of Project	at Mouza - Kantabada, Bhubaneswar, Tahasil-Bhubaneswar, District - Khurda
Date of issue of ToR	N/A
Name of Consultant	M/s. Grass Roots Research and Creation India (P) Ltd. Noida

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 SEIAA, are given as under.
 - (i) 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.
 - (ii) This proposal is for Terms of Reference of M/s Trishna Skyscraper Ltd. for Residential Project "TSL Spring City" (Under Violation Category) located at plot no.-180/1261,181/1292, khata No. - 86, plot no. 183 & 202, Khata no. 125, Plot no- 154 (P) & 177 (P), Khata No. -172, plot no. - 178,181 & 180/1291, Khata no. 102, plot no. 204,624,625/1061, 203/1360 & 182, Khata no. - 215. The site area measures 45,223.24 m²& total Built-up area (BUA) is 1, 24,121.96 m². The PP has already constructed 39,483.11 m² BUA (~31.81%) at site without prior Environmental Clearance located at Mouza - Kantabada, Bhubaneswar, Tahasil-Bhubaneswar, District - Khurda of Sri Satyabrata Dhir.
 - (iii) **Category:** As per EIA Notification, 2006 and its subsequent amendments, the proposed project falls under Item of Schedule to the EIA Notification, 2006 - category "B" or activity 8 (a): Building and Construction Projects.

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- (iv) **Violation justification:** Project Proponent started the construction work at site in 2011 without obtaining prior EC. 31.81% construction (BUA = 39,483.11 sqm) has been completed. Therefore, it is a violation of EIA Notification, 2006 and hence Environment Clearance is being sought under Violation category as per MoEFCC notification dated 14th Mar., 2017 and SoP dated 07th Jul., 2021.
- (v) **Location and Connectivity** – The proposed project is located at plot no.-180/1261,181/1292, khata No. - 86, plot no. 183 & 202, Khata no. 125, Plot no - 154 (P) & 177 (P), Khata No. -172, plot no. - 178,181 & 180/1291, Khata no. 102, plot no. 204,624,625/1061, 203/1360 & 182, Khata no. - 215, bearing Toposheet no.F45T11, Mouza - Kantabada, Bhubaneswar, Tahasil - Bhubaneswar, District – Khurda, Odisha. The geographical co-ordinates of project site are 20° 19' 12.63"N and 85° 43' 23.18"E and Kisam of land is Gharabari. The project site is well connected through Khurda Chandaka road. NH-16 is 9.0 km (ESE) away from project site. The nearest railway station is Bhubaneswar Railway Station is about 14.11 km (North East) away from the project site. The nearest Airport is Biju Patnaik International Airport at 12.5 km (East) from project site. Jhumka Reservoir is 1 Km (WNW) of project site. Kamarkhunti reservoir is 8 Km (NNE) of project site. Kajala Gnada Dam is 10 Km (S) of project site. Deras Reservoir/Dam is 3.4 Km (W) of project site. Canal near site is 0.1 Km (SE) of project site. Canal near site: 0.6 Km (N) of project site. Eco sensitive Zone of Chandaka Dampara Wildlife Sanctuary is 0.1 km and outside the Eco sensitive Zone. Eco sensitive Zone of Nandankanan Wildlife Sanctuary is 11.2 km.
- (vi) The site is coming under Bhubaneswar Development Authority.
- (vii) The total plot area is 45,223.24 m²/11.17 acres. / 4.52 ha. with total built-up area 1,24,121.96 sq.mt.

(viii) The Building Area Details of the Project:

S. No.	Particulars	Area (m ²)
1.	Total Plot Area	45,223.24
2.	Permissible Ground Coverage (@35% of the plot area)	15,828.13
3.	Proposed Ground Coverage (@33.5 % of the plot area)	15,152.73
4.	Permissible FAR (@3 of the Plot Area)	1,35,669.72
5.	Proposed FAR (@2.52 of the Plot Area)	1,14,301.36
6.	Non-FAR Area	9,820.6
7.	Total Built Up Area (5 + 6)	1,24,121.96
8.	Green Area Proposed (@20 % plot area)	9,044.65
9.	Maximum Height of the Building up to terrace level (meter)	33.528 m

The total built-up area of the site is 1, 24,121.96 m² out of which 39,483.11m² i.e. approx. 31.81 % construction has been done.

- (ix) **Water requirement:** Fresh water requirement for the proposed project is 651 KLD which will be sourced from Ground Water.
- (x) **Wastewater generation and management:** It is expected that the project will generate approx. 858 KLD of wastewater and wastewater will be treated in STP of 1030 KLD capacity. The treated effluent partly will be reused for flushing & horticulture. Surplus treated effluent of 431 KLD will be discharged to nearby nallah.
- (xi) **Power requirement:** Power requirement for the proposed project is 11875 KVA which will be sourced from Tata Power Central Odisha Distribution Limited (TPCODL). For backup, DG sets will be provided and it will be utilized during power failure. In the residential area, about 14 nos. 250 KVA DG sets will be installed and in the Club/retail & society (community area) area, 2 nos. 625 KVA DG sets will be installed.

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- (xii) **Details of Solar Power generation:** 10% energy will be saving from total energy load (5% through solar and 5% through LED).
- (xiii) **Rain Water Harvesting:** Total amount of rain water harvested will be in 1,278.934m³cum/ No. of pits: 16numbers.
- (xiv) **Parking Requirement:** Total parking area provided is 28656.8 Sq.mt. / 1125 ECS. Location of parking area to be provided is Surface and Stilt Parking.
- (xv) **Green Belt Development:** Green belt will be developed over an area of 9044.65 sqm. which is 20% of the total plot area. Total no. of plants to be planted 570 trees to be planted in 3 tier plantation.
- (xvi) **Solid Waste Management:** During the operation phase, solid waste will be approx. 3927 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).
- (xvii) **Baseline study:** The Project proponent had mentioned that Baseline study has been collected from period December 2022 – Feb 2023.
- (xviii) **Project cost:** The estimated project cost is 160 crores and cost for EMP is Rs. 150.206 (capital cost) and Rs. 46.551 (recurring cost)
- (xix) **Environment Consultant:** The Environment consultant **M/sGrass Roots Research and Creation India (P) Ltd. Noida** along with the proponent made a presentation on the proposal before the Committee on 31.07.2023.
- (xx) The SEAC in its meeting held on dated **31-07-2023** recommended the following:
- (A) The proponent may be asked to submit the following for further processing of violation ToRs application:**
- Copy of all statutory clearances applied/obtained.
 - Detailed calculation of greenbelt with breakup and dimensions Green belt of plot area and needs to be increased.
 - Exact distance of the proposed project boundary from the boundary of Eco-sensitive zone of Chandaka- Dampara Sanctuary along with map duly authenticated and certified by concerned DFO.
 - Year of commencement of construction work of the project and extent of construction work till now.
 - Height of the building.
 - Structural stability certificate from the concerned authority as the building has been constructed long back.
- (B) The proposed site shall be visited by Sub-Committee of SEAC to verify the followings. Violation ToRs to be issued after site visit.**
- Environmental settings of the project site.
 - Extent of Construction of the project and its present conditions in terms of structural stability and safety.
 - Road connectivity to the project site.
 - Drainage network at the site.
 - Discharge point for discharge of treated water and distance of the discharge point from the project site.
 - Any other issues including local issues.
- (xxi) The proposed site was visited by the sub-committee of SEAC on 21.08.2023. Following are the observations of the sub-committee:
- The PP along with Consultant and Architect were present. The PP explained that during 2010, permission from Panchayat was taken (as the site was not under (BDA/BMC), for 83 towers/blocks along with permission for leaving the storm/excess treated water into the nearby Nallah. PP has started the construction for few towers/blocks. Subsequently they took the approval of DUDA (District urban development authority, Govt of Odisha) only for 45

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- number of Towers/blocks in 2023, whose constructions were carried out as Phase-I activity. Accordingly, they are applying for violation TOR.
- b. PP was asked to submit the following: i) A chronology write up of activity in brief ii) Copy of Panchayat and DUDA approval iii) Document in support of discharge of storm/excess treated water obtained from Panchayat.
 - c. The PP has developed about 40 ft wide road surrounding the Towers for access and fire corridor has been provided within the blocks. Copy of internal roads layout may be provided by PP (prepared by the Architect), for fire corridor use.
 - d. As informed by PP, the 45 no of Towers include G+5, G+10 and S+5 as per approval of DUDA and they were also as per the Panchayat approval initially with more Towers. PP was asked to submit structural stability certificate by BDA empanelled expert and a Table with details of earlier approval with Panchayat and Present as approved by DUDA.
 - e. The site has road connectivity, natural drain all along the side of the road and natural greenery. They need to develop green belt as per norms along with all other conditions required for the building construction.
 - f. Few towers are completed and few are under progress.
 - g. Details of violation calculation to be submitted certified by an empanelled Architect of BDA with regard to extent of construction etc. as per guidelines.
 - h. All other information asked during the presentation to be submitted.

(xxii) 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	Views of SEAC																											
1.	Copy of all statutory clearances applied/obtained.	<p>The details of chronological events of the project are shown in Annexure-I. The copies of all statutory clearances applied/obtained are as follows:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">S. No</th> <th style="text-align: center;">Statutory clearances</th> <th style="text-align: center;">Annexure</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1.</td> <td>Sarpanch approval for layout</td> <td style="text-align: center;">Annexure II</td> </tr> <tr> <td style="text-align: center;">2.</td> <td>Fire Certificate</td> <td style="text-align: center;">Annexure III</td> </tr> <tr> <td style="text-align: center;">3.</td> <td>CGWA NOC</td> <td style="text-align: center;">Annexure IV</td> </tr> <tr> <td style="text-align: center;">4.</td> <td>Construction NOC from Bhubaneswar (R&B) division</td> <td style="text-align: center;">Annexure V</td> </tr> <tr> <td style="text-align: center;">5.</td> <td>HT clearance</td> <td style="text-align: center;">Annexure VI</td> </tr> <tr> <td style="text-align: center;">6.</td> <td>DUDA approval Letter</td> <td style="text-align: center;">Annexure VII</td> </tr> <tr> <td style="text-align: center;">7.</td> <td>Airport NOC</td> <td style="text-align: center;">Annexure VIII</td> </tr> <tr> <td style="text-align: center;">8.</td> <td>Power Supply</td> <td style="text-align: center;">Annexure IX</td> </tr> </tbody> </table>	S. No	Statutory clearances	Annexure	1.	Sarpanch approval for layout	Annexure II	2.	Fire Certificate	Annexure III	3.	CGWA NOC	Annexure IV	4.	Construction NOC from Bhubaneswar (R&B) division	Annexure V	5.	HT clearance	Annexure VI	6.	DUDA approval Letter	Annexure VII	7.	Airport NOC	Annexure VIII	8.	Power Supply	Annexure IX	Sarpanch approval; for layout as attached in Annexure – II is not clear may be checked.
S. No	Statutory clearances	Annexure																												
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2.	Detailed calculation of greenbelt with breakup and dimensions Green belt of plot area and needs to be increased.	As suggested we have increased the green area from 9044.65 m ² to 9315.98 m ² . The Landscape Plan with breakup and dimensions of Green belt is enclosed as Annexure-XI .	Layout submitted
3.	Exact distance of the proposed project boundary from the boundary of Eco-sensitive zone of Chandaka- Dampara Sanctuary along with map duly authenticated and certified by concerned DFO.	Eco sensitive Zone boundary of Chandaka Dampara Wildlife Sanctuary is 0.1 km from our project site. Since the site is outside the Eco sensitive Zone of Sanctuary NBWL clearance is not required. DFO NOC is attached as Annexure-XII .	Certificate of DFO submitted mentioning the plots of the project is outside the Eco sensitive Zone of Sanctuary.
4.	Year of commencement of construction work of the project and extent of construction work till now.	We have started the construction at project site in year 2011 and construction was continued till year 2015. The total built-up area of the project is 1,24,121.96 m ² out of which 39,483.11m ² (~31.81%) has been constructed at site. Detailed Construction status is enclosed as Annexure-X .	complied
5.	Height of the building.	The details of Height of Building are as follows: Block A- 18.4sqm, Block B – 17.7 sqm, Block C – 31.95sqm.,Block D – 16.975sqm. AAI NOC for building height is enclosed as Annexure-VIII	complied
6.	Structural stability certificate from the concerned authority as the building has been constructed long back.	Structural Stability certificate is enclosed as Annexure-XIII .	complied

2. Whether SEAC recommended the proposal – Yes, the proposal was placed in SEC meeting held on 18.11.2023 and The SEAC observed that the proponent has already constructed the project without obtaining Environmental Clearance as per EIA Notification 14th Sept. 2006 and amendment thereafter and applied for Environmental Clearance suo-moto under violation category. The SEAC, after detailed deliberations on the proposal in terms of the provisions of the MoEF&CC, Govt. of India Notification dated 14th March, 2017 confirmed the case to be of violation of the EIA Notification, 2006 and **recommended for issuing Standard Term of Reference as per Annexure – F along with the following specific Term of Reference** for undertaking EIA and preparation of Environmental Management Plan (EMP):
- 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.
 - 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

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the grant of Environmental Clearance. The quantum shall be recommended by the SEAC and finalized by the regulatory authority i.e. SEIAA, Odisha. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the SEAC and approval of the regulatory authority i.e. SEIAA, Odisha.

- c) Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
- d) Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
- e) The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.
- f) The proponent shall pay the penalty for such violation as per SoP for violation issued vide OM F No. 22-21/2020/IA. III, dtd. 07.07.2021 of MoEF & CC, Govt. of India.
- g) Fire disaster management plan specially designed for topmost floors with detailed note on hydrant system pump and water storage.
- h) Detailed calculation of renewable energy/solar energy along with roof top solar plan layout.
- i) Clear site layout showing all features of the project and distance from road.
- j) Traffic Study Report to be submitted and vetted from reputed institute.
- k) Structural Stability certificate from appropriate authority as per regulatory authority guidelines to be submitted and vetted from reputed institute.
- l) Detailed calculation of Rain Water Harvesting and Layout showing Rainwater Harvesting pits.
- m) Layout map showing the treated water fallout to nearest drain and its distance.
- n) Layout of internal drainage map and their fallout to external public drain.
- o) Copy of permission of the concerned authority of the drain / sewer to discharge the treated water from project to the nearby drain.
- p) Reduce discharge of treated water to drain by planting more trees.
- q) The greenbelt to be provided along the outer periphery of the plot along the boundary the spacing may be reduced to 2m x 2m to accommodate more trees and should be planted on a hierarchical pattern.
- r) The concept of vertical garden may also be considered apart from landscaping, potted plants, Parks & Gardens.
- s) The water Treatment Plant, Waste Water Treatment Plant, STP, DG set's location to be marked in the layout plan.
- t) Adequate overhead portable water tank to be provided as per the norms apart from Treated Waste Water tank for use in dual plumbing system for the flush in the toilet.
- u) To submit Sabik RoR with Kisam and Hal RoR with Kisam to rule out involvement of Forest and DLC land in the project.
- v) For parking of various types of vehicle adequate provision of basement, Stilt, Open area and Mechanical parking may be considered.
- w) Provision of lift with ventilation, lighting and AC from lowest basement to terrace roof top to be provided.
- x) 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.
- y) Disaster Management Plan for the project may be prepared and submitted as per Disaster Management Act, 2005.
- z) Indicate the system of Storm Water Drainage, Rainwater Harvesting System and Recharge Well.

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- aa) The PP explained that during 2010, permission from Panchayat was taken (as the site was not under (BDA/BMC), for 83 towers/blocks along with permission for leaving the storm/excess treated water into the nearby Nallah. Approval copy of Panchayat mentioning the same.
- bb) Document in support of discharge of storm/excess treated waste water obtained from Panchayat.
- cc) Copy of internal roads layout may be provided by PP (prepared by the Architect), for fire corridor use.
- dd) As informed by PP, the 45 no of Towers include G+5, G+10 and S+5 as per approval of DUDA and they were also as per the Panchayat approval initially with more Towers. PP was asked to submit structural stability certificate by BDA empanelled expert and a Table with details of earlier approval with Panchayat and Present as approved by DUDA.
- ee) Details of violation calculation to be submitted certified by an empanelled Architect of BDA with regard to extent of construction etc. as per guidelines.

Decision of Authority: Approved

The Authority decided to issue violation ToR as per the recommendation of SEAC.

APPROVED BY


Member Secretary, SEIAA


Member, SEIAA


Chairman, SEIAA
14.12.23

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AGENDA NO.146.04	
Proposal No.	SIA/OR/MIN/306349/2023
Date of application	08.11.2023
File no.	SIA/OR/MIN/54276/2021
Project Type	Proposal for Amendment of EC for change of Co-ordinates (Latitude & Longitude) of lease area based on Modified mining plan
Category	B1
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Amendment of EC of Baideswar Sand Ghat over an area of 33.00 acres or 13.355 hectares in village Patugadadharpur under Banki Tahasil in Cuttack District, Odisha.
Name of the company/Organization	Smt. Minakshi Pradhan
Location of Project	village Patugadadharpur under Banki Tahasil in Cuttack District, Odisha
ToR Date	14.008.2020
Name of the Consultant	N/A

1. Proposal in brief:

- (ii) The highlights of the proposal as ascertained from the application and as revealed from proceedings/discussion held during the Baideswar Sand Ghat over an area of 33.00 acres or 13.355 hectares in village Patugadadharpur under Banki Tahasil in Cuttack District, Odisha.
- (iii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. 1944/SEIAA dated 29.07.2021 for Baideswar Sand Ghat over an area of 33.00 acres or 13.355 hectares in village Patugadadharpur under Banki 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 188240 cum with depth of sand deposition was 2.0 meter and proposed for annual extraction-94120 cum.
- (v) The PP has submitted ARRS report as per ToR and quantity of material replenished is 150592 cum.
- (vi) Now, the PP and the Mining Officer Cuttack request for change of Co-ordinates (Latitude & Longitude) of lease area based on Modified mining plan.
- (vii) Consent to Operate was granted by SPCB, Odisha vide letter no. 2149/2324 dated 15.11.2021 for the sand production 94120 Cum/year.
- (viii) During operation of quarry, replenishment survey also carried out it is found difficult to excavate below 1.7 meter due to seepage of water. So working depth limited to 1.7 meter only. As such Project Proponent was not able to produce as per approved quantity. As per the same report the 65706.6 cu.m Sand may be extracted during the Plan period.
- (ix) In order to access the exact extractable sand quantity, Project proponent had requested Tahsildar, Banki to review the mining plan on 22.3.2022.
- (x) As per the joint verification carried out by Department of mining, Geology, & Revenue it was found that due to change in water course and water-logged condition of the lease area, there are very less deposits of sand in ML area. Quarry area was found to be very less in comparison to proposed excavated area approved in the mining plan Thus, the mining plan

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was modified as per the recommendation of the joint inspection report and the production of quantity envisaged to be 57000Cum/annum.

- (xi) As per the Modified Mining Plan, revised geological reserve is 103076cum and Mineable reserve is 57000cum. Thus, the proposed sand mining during the plan period is as per the given table –

Year	Surface Area of Sand (m2)	Thickness of sand (m)	Volume of Sand (m3)
2022-23	51538	2.0	57000
2023-24	51538	2.0	57000
2024-25	51538	2.0	57000
2025-26	51538	2.0	57000
Total			2,28,000

(xii) EMP Cost: capital cost- ` 14.50 lakhs and recurring cost ` 7.45 lakhs

(xiii) 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 05.11.2023 and after detailed discussion, the SEAC observations the following-

The Environmental Clearance has been approved for higher capacity i.e. 94120 cum/annum. Now, they have applied for modification of EC after conducting replenishment study for less capacity than the approved capacity i.e. 57000 cum/annum. The SEIAA, Odisha may decide whether such type of amendment in EC will be allowed as the quantity requested by the lessee is less than the approved capacity.

Decision of Authority: Approved

The Authority perused the joint verification report carried out by Department of Mining, Geology, & Revenue and found that due to change in water course and water-logged condition of the lease area, there are very less deposits of sand in ML area requiring modification in the mining plan. Accordingly, the Authority decided to allow amendment of EC in reduction of production capacity from 94120 cum per annum to 57000 cum per annum.


Member Secretary, SEIAA

APPROVED BY

Member, SEIAA


Chairman, SEIAA

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AGENDA NO.146.05

Proposal No.	SIA/OR/MIN/296240/2023
Date of application	22.01.2023
File no.	SEIAA-184/06-2020
Project Type	Proposal for Amendment of EC for 2 nd year production as per replenishment study report.
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Amendment of EC of Kadarayan Sand Bed (River-Subarnarekha) over an area of 12.35 acres or 5.00 hectares in village Kadarayan under Basta Tahasil in Balasore District, Odisha
Name of the company/Organization	Sri Bhabesh Kumar Ghosh S/o-Purna Chandra Ghosh, At-Dharastock, Po/Ps-Jaleswar, Tahasil-Jaleswar, District-Balasore
Location of Project	Odisha
ToR Date	N/A
Name of the Consultant	N/A

Proposal in brief:

- The highlights of the proposal as ascertained from the application and as revealed from proceedings/discussion held during the meeting of SEAC/SEIAA, are given as under.
 - This is a proposal for amendment of EC of Kadarayan Sand Bed over an area of 12.35 acres or 5.00 hectares in village Kadarayan under Basta Tahasil in Balasore District, Odisha.
 - The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. 9342/SEIAA dated 27.10.2020 and Transfer of EC vide letter no.3888/SEIAA dated 28.01.2022 for Kadarayan Sand Bed over an area of 12.35 acres or 5.00 hectares in village Kadarayan under Basta Tahasil in Balasore District, Odisha.
 - 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 106875 cum with depth of sand deposition was 2.5 meter and proposed for annual extraction-30000 cum.
 - The SEIAA also granted EC for 1st year production 30000 cum with 2.5meter depth of mining.
 - There is an EC conditions point no. 9.1 to 9.3 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 31st December, 2022 if satisfactory replenishment study report is not submitted."
 - The PP has submitted EC compliance report and mentioned that production achieved during period 2021 is **17,700 cum**.
 - The PP has submitted replenishment study report by ORSAC empanel agency Sri Amaresh Samantray, Geoid Resource (P) Ltd. with mentioned that sand available during pre-monsoon is 98730.6 cum and after Post monsoon it is 99907.76 cum and quantity of sand replenished in the safe workable area (28674.5 sqm) is **1180.98 cum**. However, the volume of sand available after post-monsoon is around **99,907.76 cum**.
 - Any deficiencies/omission have been noticed in the above documents-**Nil**

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1. **Whether SEAC recommended the proposal** – The proposal was placed in the SEAC meeting held on 20.02.2023 and the SEAC observed that the project proponent had submitted Post Monsoon Extractable Mineable Reserve to be **99907.76cum** and volume of replenished sand in workable area is **1180.983cum**. Hence, SEIAA may take decision on the basis of quantity replenished as the same is less than the amount permitted in the EC subject to result of subsequent replenishment studies.
 2. The proposal was placed in 113th SEIAA meeting held on 04.04.2023 and the Authority observed that during preparation of mining plan it is mentioned that the mineable reserve of the proposed sand quarry was 106875 cum with depth of sand deposition was 2.5 meter and proposed for annual extraction-30000 cum. The PP has already extracted 17,700 cum of sand in the 1st year lease period whereas quantity approved in the EC was 30,000 cum in 1st year lease period. As per replenishment study report it is noticed that quantity of sand replenished in the safe workable area (28674.5 sqm) is **1180.98 cum**. However, the volume of sand available after post-monsoon is around **99,907.76 cum**. After detailed deliberations, the Authority **decided to refer the** replenishment study report to ORSAC for comments on the authenticity of the procedure adopted for the study and its resultant findings.
 3. Then proposal was placed in 120th SEIAA meeting held on 24.05.2023 and after detailed deliberation the authority decided that the matter was discussed with ORSAC on 04.05.2023 and it was suggested that the volume of sand replenished should be computed by calculating the replenishment quantity per hectare of workable area and then arrived at the total replenishment quantity in the mineable area proportionately. The PP is required to revised the calculation method and submit the final replenished quantity as per ARRS study for further consideration.
 4. Now, the PP submitted the ADS reply on 06.11.2023 with mentioned that quantity of sand replenished 27367.56 cum and proposed production is 26367.56 cum.

Decision of Authority: Approved

The Authority perused the recommendation of SEAC proposing that the SEIAA may take decision on the basis of quantity replenished and decided to allow amendment in EC for an annual production of 26367 cum as per revised ARSS report.

APPROVED BY



Member Secretary, SEIAA



Member, SEIAA



Chairman, SEIAA

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AGENDA NO. 146.06	
Proposal No.	SIA/OR/MIN/296242/2023
Date of application	22.01.2023
File no.	SEIAA-185/06-2020
Project Type	Proposal for Amendment of EC for 2 nd year production as per replenishment study report.
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Amendment of EC of Dhitpura Sand Bed(River-Subarnarekha) over an area of 12.35 acres or 5.00 hectares in village Dhitpura under Basta Tahasil in Balasore, District, Odisha
Name of the company/Organization	Sri Soumyadip Chakrabarty S/o-Sudhanshu Sekhar Chakrabarty, At-Khagadapal, Po-Badasimulia, Tahasil/Ps-Baliapal, District-Balasore
Location of Project	Odisha
ToR Date	N/A
Name of the Consultant	N/A

Proposal in brief:

- The highlights of the proposal as ascertained from the application and as revealed from proceedings/discussion held during the meeting of SEAC/SEIAA, are given as under.
 - This is a proposal for amendment of EC of Dhitpura Sand Bed over an area of 12.35 acres or 5.00 hectares in village Dhitpura under Basta Tahasil in Balasore, District, Odisha.
 - The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. 9340/SEIAA dated 27.10.2020 and Transfer of EC vide letter no.3898/SEIAA dated 28.01.2022 for Dhitpura Sand Bed over an area of 12.35 acres or 5.00 hectares in village Dhitpura under Basta Tahasil in Balasore, District, Odisha.
 - 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 106875 cum with depth of sand deposition was 2.5 meter and proposed for annual extraction-30000 cum.
 - The SEIAA also granted EC for 1st year production 30000 cum with 2.5meter depth of mining.
 - There is an EC conditions point no. 9.1 to 9.3 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 31st December, 2022 if satisfactory replenishment study report is not submitted."
 - The PP has submitted EC compliance report and mentioned that production achieved during period 2021 is **19650 cum**.
 - The PP has submitted replenishment study report by ORSAC empanel agency Sri Amaresh Samantray, Geoid Resource (P) Ltd. with mentioned that the estimated erosion, considering a common safe workable area is around 13609.51 sqm is 7203.21 cum and the estimated erosion, considering a safe workable area of 44063.7 sqm is 5525.94 cums. However, the volume of sand available after post-monsoon is around **1,10,913 cum**.
 - Any deficiencies/omission have been noticed in the above documents- Nil

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1. **Whether SEAC recommended the proposal** – The proposal was placed in the SEAC meeting held on 20.02.2023 and the SEAC observed that the project proponent had submitted Post Monsoon Extractable Mineable Reserve to be **110913 cum** and volume of replenished sand in workable area is **1270.48cum**. Hence, SEIAA may take decision on the basis of quantity replenished as the same is less than the amount permitted in the EC subject to result of subsequent replenishment studies.
2. Then proposal was placed in 120th SEIAA meeting held on 24.05.2023 and after detailed deliberation the authority decided that the matter was discussed with ORSAC on 04.05.2023 and it was suggested that the volume of sand replenished should be computed by calculating the replenishment quantity per hectare of workable area and then arrived at the total replenishment quantity in the mineable area proportionately. The PP is required to revised the calculation method and submit the final replenished quantity as per ARRS study for further consideration.

Now, the PP submitted the ADS reply on 06.11.2023 with mentioned that quantity of sand replenished 14908.86 cum and proposed production is 14908.86cum.

Decision of Authority: Approved

The Authority perused the recommendation of SEAC proposing that the SEIAA may take decision on the basis of quantity replenished and decided to allow amendment in EC for an annual production of 14908 cum as per revised ARSS report.


Member Secretary, SEIAA

APPROVED BY

Member, SEIAA


14.12.23
Chairman, SEIAA

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AGENDA NO.146.07	
Proposal No.	SIA/OR/MIN/296522/2023
Date of application	24.02.2023
File no.	SEIAA-1536/03-2021
Project Type	Proposal for Amendment of EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Amendment of EC of Shirsa Rugudisahi Sand Bed over an area of 12.35 acres or 5.00 hectares in village Shirsa under Saraskana Tahasil in Mayurbhanj District, Odisha.
Name of the company/Organization	Sri Jayprakash Khandelwal, S/o-Narayanlal Khandelwal, At-Purunahatasahi, Ward No.-6, PO/PS-Baripada, District-Mayurbhanj
Location of Project	Odisha
ToR Date	N/A
Name of the Consultant	N/A

I. Proposal in brief:

- (ii) 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.
- (iii) This is a proposal for amendment of EC of Shirsa Rugudisahi Sand Bed over an area of 12.35 acres or 5.00 hectares in village Shirsa under Saraskana Tahasil in Mayurbhanj District, Odisha.
- (iv) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. 2599/SEIAA dated 04.09.2021 and Transfer of EC was issued vide letter no. 3691/SEIAA dated 27.12.2021 for Shirsa Rugudisahi Sand Bed over an area of 12.35 acres or 5.00 hectares in village Shirsa under Saraskana Tahasil in Mayurbhanj District, Odisha.
- (v) 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 50556 cum with depth of sand deposition was 1.2 meter and proposed for annual extraction-50500 cum.
- (vi) The SEIAA allowed 6000 cum of sand for 1st year production.
- (vii) 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 October 2022, if satisfactory replenishment study report is not submitted."
- (viii) The PP has mentioned the quantity of sand extracted for the 1st year period **7250 cum**
- (ix) Now, the PP has requested for amendment of EC for 2nd year production 40000 cum/annum.
- (x) The replenishment study was done by the ORSAC empanel agency Sri Amresh Samataray with mentioned that the pre-monsoon reserve is **89865.22 cum** after post-monsoon mineral reserve is **91568.81 cum** and quantity of sand replenished is **1703.52 cum**
- (xi) Any deficiencies/omission have been noticed in the above documents- Nil

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2. **Whether SEAC recommended the proposal** – The proposal was placed in the SEAC meeting held on 27.03.2023 after detailed discussion, the SEAC decided to recommend the extraction of sand equal to replenished volume as per study i.e. 1703.59 cum/year subject to outcome of further replenishment studies.
 3. The proposal was placed in 114th SEIAA meeting held on 21.04.2023 and after detailed deliberation, the Authority observed that the replenishment study shows negative replenishment or meagre replenishment of sand. In the past few such reports have been referred to ORSAC for their opinion. Pending receipt of comments/ opinion from ORSAC, the present proposal is **deferred**.
 4. Then proposal was placed in 120th SEIAA meeting held on 24.05.2023 and after detailed deliberation the authority decided that the matter was discussed with ORSAC on 04.05.2023 and it was suggested that the volume of sand replenished should be computed by calculating the replenishment quantity per hectare of workable area and then arrived at the total replenishment quantity in the mineable area proportionately. The PP is required to revised the calculation method and submit the final replenished quantity as per ARRS study for further consideration.
 5. Now, the PP submitted the ADS reply on 06.11.2023 with mentioned that quantity of sand replenished 1340.14 cum and proposed production is 1340.14 cum.

Decision of Authority: ADS

The authority perused the revised ARRS report submitted by the PP and decided that a joint verification be carried out by the Department of Mining, Geology and Revenue with respect to permissible quantity as per ARSS for sustainable sand mining.

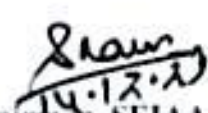
APPROVED BY



Member Secretary, SEIAA



Member, SEIAA



Chairman, SEIAA

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AGENDA NO.146.08

Proposal No.	SIA/OR/MIN/409033/2022
Date of application	11.05.2022
File No.	409033/932-MINB2/05-2023
Project Type	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 Bagada Sand Quarry over an area of 12.35 Acres or 5.00 Ha having Khata No.28, Plot No. 156,158 & 159 in village Mahasingh under K. Nuagaon Tahasil of Kandhamal District.
Name of the company/Organization	Sri Panchanan Das Power of Attorney Holder, M/S.R.K.D. Construction (P) Ltd, B-20, CIE, Patia, Odisha Khordha, Pin- 751024
Location of Project	village Mahasingh under K. Nuagaon Tahasil of Kandhamal District.
ToR Date	N/A
Name of the Consultant	N/A

Proposal in brief:

1. The highlights of the proposal as ascertained from the application and as revealed from proceedings/discussion held during the meeting of SEAC/SEIAA, are given as under.
 - (i) This is a proposal for mining of sand from Bagada Sand Quarry over an area of 12.35 Acres or 5.00 Ha having Khata No.28, Plot No. 156,158 & 159 in village Mahasingh under K.Nuagaon Tahasil of Kandhamal District, Odisha.
 - (ii) The mining area is a part of Survey of India Toposheet No. 64P/16, and the lease area bounded by Latitude: 20°10'29.83" N to 20°10'49.49" N and Longitude: 83°56'17.28" E to 83°56'24.91" E.
 - (iii) The mining lease is an identified sairat source in the DSR. The Bagada Sand Quarry sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, K.Nuagaon to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
 - (iv) Documents submitted: -Form-1, PFR, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, topo map etc.
 - (v) Whether submitted KML file of the lease area-Yes
 - (vi) Whether submitted scrutiny fee-Yes of Rs. 2000/- vide e-Challan Ref. No. 3380B8F6BF dt. 02.12.2022.
 - (vii) Distance from nearest sanctuary/ESZ- Kotgarh WLS-49.0 Km
 - (viii) Whether the lease area coming in DLC report-No.
 - (ix) Whether the lease area reflecting in DSR-Yes
 - (x) Method of mining-Manual
 - (xi) River-Khadga, Depth of sand deposition-0.5 meter
 - (xii) Distance from nearest road bridge-5.0 km, village road -0.3 km, NH-59 and SH-7A is 0.1 Km
 - (xiii) Whether it is part of cluster -No
 - (xiv) Whether EC obtained earlier-Yes, and submitted earlier EC compliance
 - (xv) Date of approval of Modification of mining plan- the Joint Director of Geology, South Zone, Berhampur on 30.09.2022.

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- (xvi) Initially the mining plan was approved vide letter no. 858/DZ dated 29.06.2020 and EC was issued by SEIAA, Odisha vide letter no. 10120/SEIAA dated 16.12.2020 and now proposal for enhancement of production capacity from 1000 cum to 3000 cum.
- (xvii) Production capacity per annum-3000 cum/annum (max.), total production in 5 years period-15000 cum, Geological reserve-13969 cum and Mineable reserve-5323 cum.
- (xviii) 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**
- (xix) EMP budget provision of **Rs. 70,000/- per annum.**
- (xx) Any deficiencies/omission have been noticed in the above documents-**Not mentioned the last year production. There is a NGT order dated 07.02.2023 on O.A. 112/2021/EZ against the PP M/s. RKD Construction Company for submission of environmental compensation amounting of Rs. 3,84,99,138/- for damage of environmental due to excess and illegal mining of sand which is not clear whether that amount was deposited or not.**
2. **Whether SEAC recommended the proposal** – The proposal was placed in the SEAC meeting held on 28th 30th June 2023 and the SEAC **recommended** the proposal for EC with observation: -
- The SEAC recommended to grant EC valid from the date of EC accorded upto the lease period with specific conditions stipulated for sand mine with following additional conditions.
 - Consent / NoC shall be obtained from the concerned authority if village road is to be used for transportation. The said road shall also be maintained by the lessee.
 - In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured.
 - The boundary area of the deposit as per the updated DSR defined by geo coordinates based on DGPS survey be superimposed on the cadastral map.
 - Plantation programme to be completed within first two years and to be maintained in remaining years.
 - The Project proponent shall follow Sustainable Sand Mining Guidelines, 2020.
 - The proponent shall provide Bio- toilet for the workers.
3. The proposal was placed in the 127th meeting of SEIAA held on 12th, 13th & 14th July, 2023 and decided as follows:
- After detailed deliberation the Authority decided to seek clarification from PP/Tahasildar on the following points:
- The NGT order dated 07.02.2023 on O.A. 112/2021/EZ in respect of Kenapali Sand Bed, Lahunipada Tahasil, Dist- Sundargarh directed that the PP M/s. RKD Construction Company shall deposit environmental compensation amounting of Rs. 3,84,99,137/- for damage of environment due to excess and illegal mining of sand. The PP/Tahasildar may be asked to clarify the status of the above matter.
 - The PP may be asked to submit last two-year production of sand as quarry operated for two years after obtaining EC.
4. Again, the proposal was placed in the 132nd meeting of SEIAA held on 16.08.2023, 17.08.2023 & 18.08.2023 and the Authority perused the letter of PP dated 02.08.2023 submitted by authorized signatory from RKD Construction Company enclosing a copy of Order dated 06.03.2023 in WP No-36077 of 2023 & IA No-2656 of 2023 wherein the Hon'ble High Court, Cuttack has directed the petitioner to deposit a bank guarantee of Rs.1,50,00,000/- before the Registrar (judicial, Orissa High Court, Cuttack). Secondly, the PP has mentioned that 10,000cum of sand is procured in last two years as against the permissible quantity of 1000cum allowed in EC.
- After detailed deliberation in the matter, the Authority decided to seek a report on the above two matter from the Tahasildar, Lahunipada.

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5. The Proposal was placed in 138th meeting held on 10.10.2023 & 12.10.2023 and the after detailed deliberation in the matter, the Authority decided to seek clarification on the following:-
(i) The PP is required to submit clarification from Tahasildar, K.Nuagaon, Dist-Kandhamal on the point that "the PP has mentioned that 10,000cum of sand is procured in last two years as against the permissible quantity of 1000cum allowed in EC"
6. Now, the Tahasildar K. Nuagaon has clarified vide letter no. 3524 07.12.2023 that EC has not been granted yet by SEIAA hence, non-issuance of EC the source has not been operational till date.

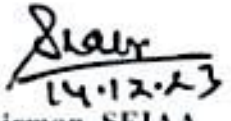
Decision Of Authority: Approved

The authority perused the letter no. 3524 dated 07.12.2023 of Tahasildar, K. Nuagaon stating that due to non-issuance of EC and CTO the quarry has not been operated till date. After detailed deliberation in the matter, the authority decided to grant EC for this project for proposed quantity of 3000 cum per annum. The validity of EC is subjected to validity of DSR or validity of lease period whichever is earlier.

APPROVED BY


Member Secretary, SEIAA


Member, SEIAA


Chairman, SEIAA

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AGENDA NO.146.09	
Proposal No.	SIA/OR/MIN/426559/2023
Date of application	18.04.2023
File no.	426559/809-MINB1/03-2023
Project Type	Proposal for EC
Category	B1
Project/Activity including Schedule No.	1(a) Mining of Minerals
Name of the Project	Proposal for EC of Birupa River Sand Quarry, Bhairpur over an area of 5.058 ha is located in mouza - Bhairpur, Tahasil- Salipur, in district Cuttack, Odisha
Name of the company/Organization	M/s Sahu Metaliks Pvt. Ltd, At / PO - Barbil, Ward No - 5 Keonjhar
Location of Project	Mouza - Bhairpur, Tahasil - Salipur, in district Cuttack, Odisha
ToR Date	09.04.2021
Name of the Consultant	M/s EHS360 Labs Private Limited

1. Proposal in brief:

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

- i) This proposal is for Environmental Clearance of M/s. Sahu Metaliks Pvt. Ltd. for Birupa River Sand Quarry, Bhairpur over an area of 5.058 ha. is located in Mouza - Bhairpur, Tahasil - Salipur, in District - Cuttack of Sri Amrik Singh.
- ii) **Category:** The project falls in category "B" under Schedule of activity 1(a)-Mining of minerals as per the EIA Notification, 2006 and its subsequent amendments.
- iii) The Letter of Intent (LOI) was granted to Sri Amrik Singh vide letter No.383 dated 03.02.2018 for the period of 5 years by Tahasildar, Salipur.
- iv) This Mining Plan is approved vide letter No. 7847/DG dated 28.04.2018 by the Directorate of Geology, Bhubaneswar, Cuttack District.
- v) Mining lease is an identified sairat source in the Cuttack DSR in Annexure - I, sl.no. - 24.
- vi) **TOR details:** Terms of Reference (TORs) has been granted by SEIAA, Odisha vide No - 1265/SEIAA dated 09.04.2021.
- vii) **Public hearing details:** The Public Hearing was held on 09.03.2022 at the playground of Bhairpur mouza situated near Tarini Mandir under Salipur tahasil in Cuttack district. The villagers did not raise any specific issues on the environment. Budget earmarked for the action plan of public hearing is Rs. 3 lakhs.
- viii) **Location and connectivity:** The Proposed Sand Mining Project is located at Birupa River Sand Bed in Plot No.- 01, Khata no. - 655, over an area of 5.058 ha., Kissam- Nadi, of Bhairpur-Village, Salipur-Tahasil, Cuttack-District, Odisha-State. The said lease is located in survey of India Topo Sheet No. F45T14, bounded by Latitude: 20° 30' 44.70" to 20° 30' 51.02" N, Longitude: 85° 58' 43.02" to 85° 58' 55.56" E. The Lease area is accessible from SH 9A at a distance of 1.75 km, which is well connected to National Highway - 5. The nearest railway station is Nirgundi at distance 3.5 km from the lease area. Nearest airport is Bhubaneswar airport at a distance of 35 Km from the mining lease area.
- ix) **Topography and drainage:** The general topography of the area around the mine site is general plan agricultural land along the river. The area constitutes almost alluvial plain without any conspicuous topographical features and forms a part of the vast Indo-Gangetic plain. The proposed area is undulating. The flow rate of the river varies with the quantity of precipitation

in the catchment area. The lease area surrounded mostly with agricultural lands. There is no major impact of mining on the topography of the area. The mining lease area in riverbed will be replenished with sediments after monsoon and the area which in agriculture field will be reclaimed after mining. Drainage system in the region is dendritic. General flow direction of Birupa River is from west to east.

x) **Baseline study:** Baseline study was conducted during Mar to May 2021 (Pre-monsoon Season) around 10km radius of mine lease boundary

a) **Ambient Air quality:** Ambient air quality of the study area has been monitored at 8 locations for 12 air quality parameters. The AAQ analysis indicates that the concentration of PM10 varied from 46 to 66 $\mu\text{g}/\text{m}^3$, PM2.5 from 25 to 58 $\mu\text{g}/\text{m}^3$, SO2 from <4 to 8.8 $\mu\text{g}/\text{m}^3$, NOx from <9 to 13.9 $\mu\text{g}/\text{m}^3$. Benzene, BaP, Ni, As, & Pb were found below detection limit.

b) **Noise quality:** Near industrial area day and night noise levels are 45.8 dB (A) to 44.2 dB (A). In residential areas daytime noise levels varied from 51.2 dB (A) to 47 dB (A) and nighttime noise levels varied from 41.9 dB (A) to 38.5dB (A) across the sampling stations. The field observations during the study period indicate that the ambient noise levels are well within the prescribed limit by CPCB (55 dB (A) Day time & 45 dB (A) Nighttime).

c) **Surface water:** pH values varied between 6.9 to 7.1 while Turbidity varies from 8.2 to 11.0 NTU, Dissolved Solids varied from 86 to 94 mg/L, Dissolved oxygen varies from 7.0 to 7.1 mg/L, BOD varied from 1.5 to 1.7 mg/L and Chloride values varied between 12 to 13.4 mg/L. Iron values varied from 0.23 to 0.28 mg/L, Manganese values varied below 0.02 mg/L. Sulphate values varied from 11 to 13.6 mg/L and Nitrate values varied from 1.2 to 2.3 mg/L. Zinc 0.1 to 0.12 mg/L. Copper below 0.05. Fluoride, Arsenic, Lead, Chromium, Cyanide, Selenium, Fluoride, Phenolic compound and Cadmium have been observed below detection limit and Total Coliform varies from 162 to 279 MPN/100 ml.

d) **Ground water:** pH values varied between 7.0 to 7.3 while Dissolved Solids varied between 174 to 186 mg/l and total hardness varied from 89 to 94 mg/l. Chloride values varied between 6.2 to 6.7 mg/l. Calcium values varied between 22.1 to 28.1 mg/l while Magnesium values varied between 5.3 to 5.9 mg/l, Sulphate values varied from 2.1 to 3.5 mg/l and Nitrate values varied from 2.5 to 3.2 mg/l. Zinc values varied below 0.05 mg/l & Boron value below 0.01 mg/l. Lead, Copper, Manganese, Fluoride, Mercury, Cadmium, Cyanide, Arsenic, Selenium, Chromium, Phenolic compounds and Aluminum have been observed below detection limit.

e) **Soil quality:** The pH of the soil samples ranged from 6.4 to 6.6. Indicating that the soils are slightly acidic to moderately alkaline in nature. Nitrogen content ranged from 0.07 % to 0.09 %. Potassium ranged from 0.08 % to 0.09 %.

xi) **Total reserves and production:** As estimated, geological reserve of sand is 35140 CuM and mineable reserve is 31224 Cu.M. During the plan period, a total of 23200 CuM (4640 cum/annum) sand will be extracted. At the end of the plan period the quarry level will be 23 m RL.

xii) **Replenishment study:** The pre-monsoon data on was carried out in date 10.06.2022 by using DGPS Survey Method and the post monsoon data on 05.12.2022 by using UAV/ Drone Method. Considering the safe workable area for pre- monsoon and post-monsoon survey was 12045.92 m². It is estimated that during Pre-monsoon the extractable sand available is 11565.96 m³ and during Post-monsoon the extractable sand available is 11436.94 m³. It is observed that erosion of 164.92 m³ has been done with average thickness of 0.013m.

xiii) **Method of mining:** The winning of mineable reserve of sand of Birupa River Sand Quarry' Bhairpur will be carried out by opencast by manual dry pit mining method. Sand is to be excavated in layers up to a depth of 1.0m. No machines are proposed to be deployed to carry out wining of sand. Total handling of sand from excavation screening stacking and loading to the user carriers like tractors/Tippers will be done manually. To maintain safety and stability of riverbanks a safety

distance of 3m or 1/10th of the width of the river on both side of riverbank will be left as per sustainable sand.

- kiy) **Water requirement:** Total water requirement will be approx. 1 KLD that will be required for different purposes like domestic, dust suppression, plantation purposes & sourced from private suppliers.
- kv) **Power/Fuel requirement:** Minimal power required for office shall be taken from the General Electric supply of the area. The approximate quantity of the fuel used per day is 0.014 KLD diesel is required as fuel.
- kvi) **Greenbelt:** It is proposed to plant 50 Nos. per year of native species (250 Numbers of native species will be planted during the 5-year plan period) along with some fruit bearing and medicinal trees during the plan period and a budget of Rs. 0.5 Lakh for plantation is given in EMP.
- kvij) **Manpower requirement:** 11 nos. of person are to be employed daily for the manpower requirement of the proposed project.
- kviij) **Project Cost:** The project proponent will incur a total cost of Rs. 50.00 Lakhs. This will include cost of labour, cost of transportation, fuel charges etc. 2.0 % of capital cost has been earmarked towards CER which is Rs 1.00 Lakh. Capital & recurring cost estimated for environmental management is Rs. 3.0 Lac & Rs.1.0 lakhs respectively.
- kix) **Environment Consultant:** The Environment consultant M/s EHS 360 Labs Pvt. Ltd., Chennai along with the proponent made a presentation on the proposal before the Committee on 12.06.2023.
- cx) The proposed site was visited by the sub-committee of SEAC on **14.07.2023**. Following are the observations of the sub-committee
- PP, RI and Consultant were present along with other team members. The Mine is in Birupa River. The lease area was shown by the RI. This is a new sand mining proposal. It was observed that although grass and bushes are present in the lease area, there is enough sand available for mining. **Sand mining can be done after removal of bushes and grass with condition that these removed things should not be deposited on the river bed within both side flood embankments.**
 - There are no ongoing mining activities in the lease area.
 - As this is new sand mine lease and drone survey has been done recording levels as shown by consultant during visit, PP may be asked to provide information on LWL at lease site from competent authority of Water Resources Department and assess the minable sand quantity basing on LWL.
 - The site is presently approachable from Peer bazar on Jagatpur to Salipur Road and also from Jagatpur on NH16 (before Birupa bridge on NH 16). Road from Peer Bazar is narrow and passing through a number of villages and may not be suitable for commercial transportation of sand. The road approachable to NH 16, is suitable as it passes through one small village with few houses. For transportation of sand, a portion of Pattamundai canal embankment (which is also flood embankment) is proposed for use by PP which is a narrow moorum surface road. Light commercial vehicles (Tractors/ Mini truck etc. not exceeding 3 cum capacity) can be allowed for transportation. **Use of tippers as proposed in methods of mining may not be allowed.** However, the Water Resources Department being the authority of this canal-cum-flood embankment, permission from competent authority of this department for use of the embankment road as well as the approach road from lease area to the embankment by PP for transportation of sand is required for grant of EC and PP may be asked to obtain such permission. PP may also be asked to furnish the actual length of transportation on canal-cum-flood embankment.
 - No bridge or high-tension line is visible near the lease area. The PP may be asked to provide the distance of nearest bridge from lease area.

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- f) There is no other sand mine under operation near the lease area. R.I. explained that there is no other sand mine proposed near the lease area. PP was asked to submit required certificate from Tahasildar to justify that this lease area is not coming under cluster approach.
- g) The lease area appears to be about 200-meter distance from embankment. PP may be asked to provide a sketch indicating actual distance from canal-cum-flood embankment
- h) PP was asked to submit required documents as asked during presentation.

cxi) 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
1.	Revised replenishment study report as present replenishment study is done in DGPS for pre-monsoon and Drone method for post monsoon which aren't comparable to one another. Further the replenishment study report is representing negative data/erosion.	In DGPS survey method, we have taken cross-section points of each section & by using Virtual Surveyor software, calculated the volume and compared with the volume, outcome from the Drone Survey method. Earlier 2 patches out of 3 patches were considered for volume calculation as the third patch was covered with grass (as shown in Image 1). As a result; we found erosion. Presently, the revised Replacement report has been prepared considering all aspects and attached as Annexure - A. however, Alluvial soil and silt deposited under grass growth during flood shall be stacked separately for plantation purpose of nearby area.
2.	Latest KML file as the present KML file is showing two distinct patches of sand in between the water body.	Initially, the lease area was a single patch and the flow of water on the northern area of lease area (Image - 2). But due to non-mining activities from the main flow, gradually another flow entered the lease area and selected the area (as shown in image - 3). However, excavation will be restricted to Patch 2 & 3 only.
3.	Detail note on Transportation of sand from proposed quarry to river embankment and mention type of road to be used for transportation.	Daily 3 - 4 nos. of only tractor (3 cum capacity) will be used for transportation of sand. Covering a distance of 400m Govt. land from the proposed quarry, it enter the canal road & continue for 5 km then it touches NH-16 (as shown in image - 4). However, if required, NOC from Irrigation Dept, will be obtained for use of canal road.
4.	Cross section details and net loss of sand shall be clarified.	Cross- section details given in Replenishment report, which shows, there is net replenishment of sand. But during estimation of sand volume, some portions were not considered due to grass growth. After considering due to

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		grass growth. After considering all it shows a replenishment of 1741.45 cum within safe mineable area. This is a fresh mining lease and no mining has been done earlier, So after excavation only, the exact rate of replenishment can be estimated.
<p>xxii) The Committee observed and recommended the following:</p> <p>i) In the replenishment study report submitted by PP there was net loss of sand and clarifications were sought. On asking clarification figures are changed to make it positive without sufficient details and justification. Moreover, two different methods are employed for Pre and post monsoon study which are not comparable. Figures are changed arbitrarily in each of the communication without any supporting documents or data. This whole thing makes it difficult to accept. Hence, replenishment study report is rejected.</p> <p>ii) In view of net loss of sand in replenishment study report and unsatisfactory compliance it is recommended to return the proposal to SEIAA to take further action.</p>		
<p>2. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 18.08.2023 and the SEAC observed and recommended the following:</p> <p>a) In the replenishment study report submitted by PP there was net loss of sand and clarifications were sought. On asking clarification figures are changed to make it positive without sufficient details and justification. Moreover, two different methods are employed for Pre and post monsoon study which are not comparable. Figures are changed arbitrarily in each of the communication without any supporting documents or data. This whole thing makes it difficult to accept. Hence, replenishment study report is rejected.</p> <p>b) In view of net loss of sand in replenishment study report and unsatisfactory compliance it is recommended to return the proposal to SEIAA to take further action.</p> <p>3. The proposal was placed in 139th SEIAA meeting held on 16.10.2023 & 17.10.2023 and after detailed deliberation on the matter, the Authority peruse the recommendation of SEAC & the replenishment study is rejected. The PP is required to submit replenishment study report in accordance with Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020 issued by MoEF & CC,GoI. Accordingly, ADS letter issued to PP on 08.11.2023.</p> <p>4. Now, the PP has submitted its reply vide letter no. Ref no-SMPL/BBI/1205 dt. 08.12.2023 uploaded in Parivesh Portal on 10.12.2023.</p>		

Decision Of Authority: Referred Back

The authority perused the submission of PP dated 08.12.2023. After detailed deliberation in the matter the authority decided that the revised ARRS report may be referred to SEAC for their considered views.


Member Secretary, SEIAA

APPROVED BY

Member, SEIAA


14.12.23
Chairman, SEIAA

AGENDA NO.146.10	
Proposal No.	SIA/OR/MIN/428620/2023
Date of application	25.05.2023
File no.	428620/769-MINB1/05-2023
Project Type	Proposal for EC for expansion of production capacity
Category	B1
Project/Activity including Schedule No.	1(a) Mining of Minerals
Name of the Project	Proposal for EC for Expansion of Raikela and Tantra Iron Mine from 2.16 to 3.024 MTPA through Opencast mining method with maximum excavation of 3.27 MTPA (ROM + OB) over an ML area of 49.372 Ha in villages – Raikela, Tehsil - Koida of Sundargarh district in Odisha by M/s Penguin Trading & Agencies Limited.
Name of the company/Organization	M/s Penguin Trading & Agencies Limited
Location of Project	villages – Raikela, Tehsil - Koida of Sundargarh district in Odisha by M/s Penguin Trading & Agencies Limited
ToR Date	11.04.2022
Name of the Consultant	M/s Visiotech Consultancy Pvt. 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.

- (i) This proposal is for Environmental Clearance for M/s Penguin Trading & Agencies Limited of Expansion of Raikela and Tantra Iron Mine from 2.16 to 3.024 MTPA through Opencast mining method with maximum excavation of 3.27 MTPA (ROM + OB) over an ML area of 49.372 Ha. in villages – Raikela, Tehsil - Koida of Sundargarh district of Sri Raman Rashmi Nayak.
- (ii) **Category:** The project falls in category B1 of the schedule in activity 1(a) - Mining of minerals as per EIA notification 2006 and its amendments. The Project Proponent has proposed expansion of 40%, in Raikela and Tantra Iron Mines from 2.16 to 3.024 MTPA and has applied for EC under 7(ii) (a) as per MoEF & CC OM dated 11th April, 2022.
- (iii) **Project Details:** Raikela and Tantra Iron Ore Mines is located in village - Raikela, Tahasil - Koida, District - Sundargarh, State - Odisha, over an area of 49.372 ha. in which 48.632 ha. land is forest land. Proposed Expansion of Raikela and Tantra Iron Ore Mine from 2.16 to 3.024 MTPA through Opencast mining method with maximum excavation of 3.27 MTPA over an ML area of 49.372 Ha. in villages – Raikela, Tehsil - Koida of Sundargarh district in Odisha.
- (iv) Mining plan is approved by IBM vide letter no. BBS/SNG/IRON/2201/MRMP/2022-23 dated 14.02.2023.
- (v) Forest Clearance (Stage II) obtained over an area of 45.585 ha excluding Safety Zone vide letter no. 8-23/2007-FC dated 15.07.20215. Forest Clearance over Safety Zone Area over 3.047 ha. For Change of land use from safety zone to mining, Clearance granted over 0.218 ha. under safety zone obtained vide letter no. 10F (Cons) 25/2020/12478/F&E dated 17.08.2020.

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- (vi) Mining Lease of Raikela and Tantra Iron Mines was granted in favor of Sri Ramji Lal Bathwal for 20 years on 03.12.1986. The lease was transferred to M/s Penguin Trading & Agencies Ltd. on 23.06.1991.
- (vii) 1st Renewal of lease was applied on 22.02.2005. Under Section 8(A) of MMDR Act of 12.01.2015, lease period was extended up to 02.12.2036.
- (viii) M/s Penguin Trading and Agencies Pvt. Ltd. had obtained Environmental Clearance for production of 2.16 MTPA of Iron Ore vide EC Identification No. - EC22B001OR172761, File No.-215287/64-MINB1/12-2021, Date of Issue 17.03.2022.
- (ix) Consent To Establish issued vide letter No. 3406/IND-II-CTE-6281/2022 dated 04.03.2022 and after amendment, letter issued vide.10085/IND-II-CTE-6281/2022 dated 09.06.2022 for Production of 2.16 MTPA Iron ore with crushing plants of 300 TPH and screening plants of 750 TPH from the State Pollution Control Board (SPCB), Odisha and is valid for 05 Years.
- (x) Consent To Operate was issued vide letter No. 11015/IND-I-CON-4573 dated 24.06.2022 for production of 2.160 MTPA with Iron ore crushing plants of 300 TPH and screening plants of 750 valid up to 31.03.2026.
- (xi) Certified Report of EC Compliance from RO, MOEF&CC, Govt. of India vide File no. 109 – 93 dated 10-06-2022 has been issued and there was no non-compliance. For a period of October 2022 to March 2023, compliance report has been submitted and Project Proponent has asked for 2 months for submitting the certified EC Compliance report.
- (xii) Site Specific Wildlife Conservation plan 1st approved plan vide. 27551WL-C-SSP-197/10 dated 13.04.2010.
- (xiii) NOC from Ground Water for 48 KLD approved vide letter no. CGWA / NOC / MIN / REN / 3 / 2021 / 6169 dated 10.10.2021 and has been renewed which is valid upto 09.10.2023.
- (xiv) Surface Water withdrawal permission of 0.123 cusec obtained from Department of Water Resources, Government of Odisha vide letter no. 8632/WR dated 01.05.2020.
- (xv) DGMS Approval for Joint Mining between JSPL and Penguin Trading Ltd. vide letter no. 330209/SEZ/Chaibasa Region/Perm/2020/5846 dated 28.08.2020.
- (xvi) MoU between JSPL and M/s PTAL., for joint mining was done on dated 15.10.2016
- (xvii) Power approval from WESCO for 533 KVA was done on dated 01.11.2018 for 5 years.
- (xviii) DGPS Approval by ORSAC done by vide map no. 1746/1, dated 19.04.2017.
- (xix) **TOR Details:** Proposed expansion of Raikela and Tantra Iron Mines from 2.16 to 3.024 MTPA is based on MoEF & CC OM dated 11th April 2022, ToR is exempted for expansion up to 40% under 7(ii) (a) of EIA notification 2006. Final EIA/EMP report is prepared on the basis of standard TOR as per the said notification.
- (xx) **Public hearing details:** The Public Consultation was conducted successfully on 21.10.2021 at 11.00 AM. Proceedings of Public Consultation issued letter vide Letter no-19360/IND-II-PH-926 dated-06-12-2021. Proposed expansion of Raikela and Tantra Iron Mine from 2.16 to 3.024 MTPA is based on MoEF&CC OM dated 11th April 2022, public hearing is exempted for expansion up to 40% under 7(ii) (a) of EIA notification 2006.
- (xxi) **Eligibility of the Project under clause 7(ii) "a":**

SL No.	Criteria to be fulfilled	Reply by PP
Point-1 :	The project should have gone through the public hearing process, at least once, for its existing EC capacity on which expansion is being sought, except those category of projects which have been exempted as per para 7 III (i) of EIA Notification 2006 and its amendments	Public hearing was conducted on 21.10.2021, for enhancement in production from 1.080 million TPA to 2.160 million TPA. Issues raised in PH including education, health and employment etc., and action plan to address the issues was prepared for a period of 5years. Till now Rs. 4.78 Cr. has been spent.

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Point-2 :	There should not be change in Category of the project from 'B2' to 'B1' or 'A' due to proposed modernisation or expansion.	The project falls in category B1 of the schedule 1(i) (a) "Mining of Minerals" as per EIA notification 2006 and its amendments. Post expansion of 40% the project will still remain in same category as per MoEF & CC OM dated 20th April, 2022.
Point-3 :	There is no additional land acquisition or forest land diversion involved for the proposed expansion or there is no increase in lease area with regard to mining vis-à-vis the area mentioned in the EC, based on which public hearing has been held earlier.	There is no change in land area after expansion of the proposed project with respect to forest land diversion or increase in lease area. The land is distributed as 48.632 ha of Forest land and 0.740 ha of Non-Forest Govt. Land.
Point-4 :	The proposed expansion shall not be more than 50% of production capacity as mentioned in the prior EC, issued on the basis of public hearing held and the same shall be allowed in minimum three phases.	The existing EC has been granted for enhancement in production from 1.08 MTPA to 2.16 MTPA vide EC Identification No.-EC22B001OR172761, F.No.-215287/64-MINB1/12-2021 dated 17th March 2022. The proposed expansion is from 2.16 MTPA to 3.024 MTPA i.e., 40% enhancement in capacity. The enhancement shall be under taken in 2 phases as per MoEF & CC OM dated 11th April, 2022.
Point-5 :	Predicted environmental quality parameters arising out of proposed expansion/modernization shall be within the prescribed norms and the same shall be maintained as per prescribed norms	Baseline parameters have been studied as per MoEF & CC and CPCB norms. Impacts have been predicted and mitigation measures have been proposed to maintain the environmental quality parameters well within the prescribed limits.
Point-6 :	The proposed expansion should not result in reduction in the greenbelt area as stipulated in the earlier EC, or if the existing ratio of greenbelt is more than 33%, after expansion it should not reduce below 33%.	Greenbelt development after end of the plan period which is more than 33%. It is a running Mines and in approved mining plan it has been indicated for year wise reclamation. Accordingly it is being done. Also Financial assurance has been submitted to the Regional Controller of Mines, IBM, Bhubaneswar for this purpose
Point-7 :	The project proponent should have satisfactorily complied the conditions stipulated in the existing EC(s) and satisfactorily fulfilled all the commitments made during the earlier public hearing/consultation proceedings and also the commitments given while granting previous expansion, as may be applicable. This shall be duly recorded in the certified compliance report issued by the IRO/CPCB/SPCB, which should not	The condition stipulated in existing EC has been complied with satisfactorily issued raised in public hearing included education, employment and medical facility etc., and action plan for address the issue was prepared for a period of 5 years. A certified compliance report from MoEF & CC, IRO has been obtained vide File No.109-93, dated 10.06.2022.

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	be more than one year old at the time of submission of application.	
Point-8 :	Public Consultation shall be undertaken (if applicable as per table below) by obtaining response in writing, as per para 7 III (ii) (b) of EIA Notification 2006, except those category of projects which have been exempted as per para 7 III (i) of EIA Notification 2006 and its amendments.	Not Applicable. Project Submission under MoEF & CC OM dated 11th April 2022, clause 7(ii) (a) of EIA notification 2006, for 40% Expansion.
Point-9 :	Effluent monitoring including air quality monitoring systems as specified in the existing EC, if stipulated, should have been installed.	All conditions are complied and effluent monitoring and air quality monitoring photographs are attached.

(xxii) **Location and Connectivity:** The Raikela & Tantra mining lease area is located in village Raikela & Tantra of Bonai Sub-division in Sundergarh District and is easily accessible from Tensa town, which is at a distance of 0.7km connected through public motorable road. The ML area is covered under the SOI toposheet No. 73 G/1 and has the following coordinates - Latitude- 21°52' 18.98232" to 21° 53' 00.94342" N Longitude - 85°10' 43.37875" to 85° 11' 05.86014" E. The nearest rail head are Barsuan (17 km) and Roxy (40 km) in SE. The nearest National Highway and State Highway roads are NH-215 (Panikoli-Rajamunda) at 6.6 km NE and SH-10 (Koida Barsuan Road) at 0.16 km SW. The nearest airport is Biju Patnaik International Airport at 191 km SE. Nearest water bodies are Karo Nala at 0.1km in SE. Sarkanda Nadi at 4.71km in S. There are no National parks, Wildlife Sanctuary, Biospheres reserves within 10 km radius. There are four Reserve Forest within 10km radius Sarkanda R.F. 1.54 km S, Kathamala R.F. 6.61km NE, Torha R.F. 2.38 km N, Bhabani Pahar R.F. 5.74 km E. There is presence of Schedule-I species like Elephant in the study area.

(xxiii) **Topography:** The ML exhibits undulating hilly topography varying from 620 m AMSL on the southern part to 840 m AMSL on the northern part of the ML area. Out of the total 49.372 ha 48.632 ha is of forest land and balance 0.740 ha is of non-forest land. An area of 46.165 ha has already been utilized due to the mining and ancillary activities. The topography of the study area (10 km around the ML boundary) exhibits plain as well as hilly topography. The general gradient of the area is towards north. Study area shows plain topography towards eastern side whereas northern, southern and western side of the study area shows undulating topography.

(xxiv) **Drainage:** The area falls within the Baitarini river Basin and watershed of the Karo nala which flows at a distance of 0.1km on the southern side of the ML area. There is no perennial streams/nalas flowing across the ML area. Drainage system of the study area exhibits dendritic pattern. The Karo nalla which flows at a distance of 0.1 km is the principal drainage system of the area and it finally drains into Baitarini River.

(xxv) **Seismicity:** The project is under very feeble to Moderate Risk Zones (Zone-III). The project area is not prone to floods, landslides or cloudburst etc.

(xxvi) **Baseline study:** Baseline data was collected during winter season from Dec. 2020 to Feb. 2021.

a) **Ambient Air Quality:** The project is an expansion project, and the study area is scattered with rural area. The area has cluster of Iron mines. The monitored results show PM10 levels were in the range of 25 µg/m³ to 82µg/m³, PM2.5 levels were in the range of 12 µg/m³ to 46 µg/m³, SO₂ levels were in the range of 4.1 µg/m³ to 10.2 µg/m³, NO_x levels were in the range of 9.1 µg/m³ to 23.2 µg/m³ & CO remained below detection level which are well within the prescribed limit of Central Pollution Control Board.

b) **Noise Quality:** The noise levels were measured at eight stations in core and buffer zone located in residential areas. The noise levels observed during day time varies from 64.3 to 31.9 dB(A)

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and at night time varies from 45.9 to BDL<30 dB(A). All the noise values observed are well within the limits prescribed by National Ambient Air Quality Standards for Noise.

- c) **Surface water quality:** The physio-chemical characteristics of surface water were analyzed. In fresh water, the pH values of are varies from 7.3 to 7.82, the dissolved solids are 96 to 106 mg/l, chlorides are 30.2 to 36.4 mg/l, fluorides are 0.23 to 0.32 mg/l, Sulphate 15.6 to 26.2 mg/l respectively. The MF technique involves direct plating for detection and estimation of total coliform densities. The total coliform density in fresh water are varies from 79-97 MPN/100 ml, which are within the limit as per IS-2296, for surface water quality.
- d) **Ground water quality:** The physio-chemical characteristics of ground water samples were analyzed. The levels of total dissolve solids varied from 132-219 mg/l, total hardness from 124-152 mg/l, chloride from 24.7-39.2 mg/l, Sulphate from 19-43 mg/l and alkalinity from 97-135 mg/l.
- e) **Soil quality:** Top soil samples were collected from core & buffer zone, from four locations. From the above analysis report, it is found that the bulk density ranges between 1.12 to 2.24 g/cm³. The soil texture is almost clayey. The soil is very much fertile for agriculture purpose.

(xxvii) **The land utilization plan:** The mine lease area is spread over 49.372 Ha. The land utilization plan is given below.

Sl. No	Type of land use	At the beginning of plan period (in ha.)	At the end of plan period (in ha.)
1.	Mining	29.73	32.40
2.	Mineral storage	2.61	4.64
3.	Roads	2.05	2.62
4.	Infrastructure (Workshop, Administrative building etc.)	0.13	0.27
5.	OB/waste dump	6.13	8.34
6.	Top soil preservation	0.00	0.00
7.	Greenbelt	2.989	1.03
8.	Others	5.731	0.07
	Total	49.37	49.37

(xxviii) **Production and waste generation:**

Sl. No	Year	Pit ID	Total Topsoil Volume (m ³)	Total Over Burden Volume (m ³)	Total Over Burden Quantity (t)	Total ROM Volume (m ³)	Total ROM Quantity (t)
Phase I - 20% Increase							
1	2022-2023	Joint Mining Pit	0.00	19847.70	39695.40	386720.53	1121489.52
2		Raikela & Tantra Pit	0.00	220.42	440.84	386720.53	117010.48
3	2023-2024	Joint Mining Pit	0.00	3523.01	7046.02	149447.89	415465.14
4		Raikela & Tantra Pit	0.00	47550.90	95101.80	821775.13	2284534.86
Phase II - 40% Increase							
5	2024-2025	Joint Mining Pit	0.00	19931.97	39863.94	62167.53	167852.34

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6		Raikela & Tantra Pit	0.00	106965.37	213930.74	1023708.84	2856147.66
7	2025-2026	Joint Mining Pit	0.00	12637.98	25275.96	271985.59	775158.94
8		Raikela & Tantra Pit	0.00	64175.57	128351.14	780847.59	2248841.06
Total			0.00	2,74,852.92	5,49,705.84	38,83,373.63	99,86,500.00

(xxiii) **Mining method:** Mechanised opencast mining method with large HEMM will be carried out to increase the production from a level of 2160000 T to 3024000 T. Further the mining operations is now proposed to be on 3 shift basis as against 2 shifts joint mining was earlier proposed along the northern boundary with Jindal Steel Power Ltd. joint mining along the common boundary is now being proposed with National Enterprises and Korp Resources Pvt. Ltd. and Gitarani Mohanty Necessary permission will be obtained. Life of Mines is estimated as 10.45 years.

(xxiv) **Waste Generation and Management:** Waste dump already reclaimed technically and biologically. This dump area is already proven barren by drilling. This dump has waste materials which are of grade below 45% Fe of laterite, shale, BHJ, BHQ, etc. This dump is already reclaimed by coir matting and subsequently plantation has been done surrounded by retaining wall of 1.5m height & 1m width and garland drain. Any rain cut which may develop in dump slope is proposed to be checked by no. of small check dams. Garland drains at the toe of the dump is connected to settling tank. Backfilling has already been initiated and till now 2.820 ha area has already been backfilled with waste material after proving the area as barren by putting bore holes. Retreating method is adopted for backfilling. During the futuristic mining activity, tentatively out of the total waste 40% of waste material shall be utilized for road maintenance purpose and balance 60% shall be used for backfilling covering an area of 5.874 ha till the conceptual period. The reclamation plan as envisaged during the next five year till 2025-26 shall be as follows:

Sl. No.	Year	Waste Generation (Cub M)	Utilization		Backfilling Area (Sq.M)	Surface Level (Top RL/Bottom RL)
			Road Maintenance (Cub M)	Backfilling (Cub M)		
1.	2021-22	192875	67506	125369	8226	715/700
2.	2022-23	192900	67515	125385	8300	730/700
3.	2023-24	203575	71251	132324	15635	737.5/700
4.	2024-25	235725	82504	152221	18429	7745/700
5.	2025-26	257150	90002	167148	18902	752.5/700
Total		1082225	378778	703447		

(xxv) **Water requirement:** About 348 KLD water will be required for dust suppression, plantation, workshop & wheel wash, drinking & domestic activities, etc. Mine pit water will be used for dust suppression and plantation activities. Ground water from bore well will be used for drinking and domestic use. Necessary permission from CGWA and permission for drawl of surface water from Karo Nala obtained.

(xxvi) **Wastewater management:** Wastewater & sanitary sewage from domestic use in the mine site is being discharged to septic tank followed by soak pit and in no circumstances discharged to any water body. There will not be any garage with washing facility within the leasehold area and hence the chance of generation of effluent from workshop does not arise.

(xxvii) **Power Requirement:** A total of 533 KVA power is required for mining operation. Power supply will be drawn from WESCO.

(xxviii) **Flora/Fauna:** Within core zone 20 species of trees, 4 species of shrubs, 3 species of climbers and 2 species of grasses are present. Common native species such as Arjun, Bel, Char,

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Kendu, Jamun, Neem, Palas, etc. are also present in the core area. Avifaunal species found are House Crow, House Sparrow and Pigeon etc. Mammals found are squirrel, cat, mongoose and rat. Reptiles reported are krait and rat snake. Only one Schedule I species found namely Elephant.

(xxix) **Green belt:** Schedule planned for green belt development to be checked after every year and any alternation required will be implemented. Post plantation status will be regularly checked in every season. Plantation will be undertaken over the life of mine in a phase wise manner. The plantation will start from the first year of mining. Total existing plantation in 5.925ha, area and proposed plantation area will be 3.445 ha. And 5515 tree will be planted over 5 year of plan period.

(xxx) **Manpower:** The estimated total manpower requirement (direct or indirect) for the mining project is 442 persons (221 persons for phase-I and 221 persons for phase-II).

(xxxi) **Project Cost:** The expected cost of the project is Rs. 47.19 crores.

(xxxii) **Environment Consultant:** The Environment consultant **M/s Visiontek Consultancy Services Pvt. Ltd. Bhubaneswar** along with the proponent made a presentation on the proposal before the Committee.

(xxxiii) The SEAC in its meeting held on dated 19-06-2023 recommended the following:

A. Only 20% increase in production capacity may be considered in first phase under 7(ii) (a) of EIA notification 2006 as per MoEF&CC, Govt. of India OM dated 11th April 2022 and after successful compliance to phase-I, rest 20% increase in production capacity will be considered under 7(ii) (a) of EIA notification 2006 as per MoEF&CC, Govt. of India OM dated 11th April 2022.

B. Final EIA/EMP report may be prepared on the basis of standard TOR as per MoEF&CC, Govt. of India OM dated 11th April 2022 and also public hearing may be exempted as per the said OM dated 11th April 2022.

C. Following may be included in the final EIA/ EMP report:

i) Traffic Study Report vetted by reputed institute.

ii) Whether mining activity has been carried out in safety zone or has maintained the safety zone area of 7.5 metres surrounding the mining activity zone?

iii) Layout map of Overburden and current status of different grades of mineral rejects.

iv) Comparative tabulated form between present magazine management and proposed plan due to expansion.

v) A brief note on FMCP.

vi) Chemical analysis report of the ore.

vii) Status of implementation of Site-Specific Conservation Plan.

viii) RL of ground water level during summer and rainy season as well as RL of surface post mining as per the approved mining plan

ix) Contents of chromium, manganese and heavy metal elements in the ground water samples of EIA study area.

x) Green belt area is getting reduced. Does not look like 33% as stipulated in point No. 6 of Eligibility of the Project under clause 7(ii) "a": This shall be clarified with detailed calculation of greenbelt existing and proposed.

(xxxiv) 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	Views of SEAC
10.	Traffic Study Report vetted by reputed institute.	Traffic study report has been attached as Annexure-A	Traffic Study Report vetted by



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			Odisha University of Technology and Research.
11.	Whether mining activity has been carried out in safety zone or has maintained the safety zone area of 7.5 metres surrounding the mining activity zone?	<p>The total Mining lease area is 49.372 Ha and out of which 48.632 Ha is Forest Land (Khesra Forest: 7.936 Ha and DLC Forest is 40.696 Ha); out of 48.632 Ha of Forest Land 3.047 Ha is Safety Zone Area.</p> <p>The User Agency has obtained Forest Clearance (Change in Land Use From Safety Zone Purpose to Mining Purpose) over an area of 0.218 Ha vide letter No. F.No. 8-23/2007-FC, Dt. 10.07.2020 from MoEF & CC and after obtaining all statutory clearance, the joint Mining work has been started from 2022-23 with TRB Iron Ore Mines of M/s. Jindal Steel & Power Ltd, Tensa, Sundargarh.</p> <p>So the Balance Safety Zone Area is now available of 2.829 Ha.</p> <p>Out of which the User Agency has applied One proposal vide proposal No. FP/OR/REDIV/430002/2023, Dt. 20/05/2023, has been submitted for change in Land Use Pattern from Safety Zone Purpose to Mining Purpose (Cluster Mining with Korp Resources Pvt Ltd, National Enterprises and (Gitarani Mohanty) over an area of 1.1594 Ha.)</p> <p>Out of which the User Agency has applied another proposal vide proposal No. FP/OR/REDIV/431319/2023, Dt. 30/05/2023 for change in Land Use Pattern from Safety Zone Purpose to Mining Purpose (Around Explosive Magazine) over an area of 0.636 Ha.</p> <p>So the Balance Safety Zone Area of 1.0336 Ha will be maintained as Safety Zone.</p>	-
12.	Layout map of Overburden and current status of different grades of mineral rejects.	Lay out Plan/Surface Plan of Overburden and current status of different grade of mineral rejects stocks is enclosed herewith as Annexure-B.	Surface plan showing 2 temporary mineral rejects stock 1 of grade +45-51% Fe and temporary

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					mineral rejects stock 2 of grade +51-55% Fe.
13.	Comparative tabulated form between present magazine management and proposed plan due to expansion.	Sl No.	Present Magazine Management Plan	Proposed Magazine Management Plan Due to Expansion	
		1.	Now the User Agency has engaged authorized agency (Out sourcing) to conduct blasting along with explosive under the supervision of Mines Manager in accordance of the terms & condition of Explosive Act'1983	As the nature of ore is soft and the quarry will go down gradually. So blasting requirement will be less, So the same practice by engaging authorized agency (out sourcing) to conduct blasting along with explosive under the supervision of Mines Manager in accordance of the terms & condition of	

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			explosive Act'1983.	
14.	A brief note on FMCP.	A brief summary of FMCP has attached as Annexure - C.	complied	
15.	Chemical analysis report of the ore.	Chemical analysis report of Iron Ore is enclosed herewith as Annexure - D.	complied	
16.	Status of implementation of Site-Specific Conservation Plan.	Certificate from Divisional Forest Officer is attached as Annexure-E.	Site-Specific Conservation Plan approved on dated 13.04.2010 with financial outlay of Rs.173 lakhs with implementation period of 10 years from 2019-20 to 2028-29.	
17.	RL of ground water level during summer and rainy season as well as RL of surface post mining as per the approved mining plan	RL of ground water level during summer season: 587 m. RL of ground water level during rainy season: 591 m. RL of surface post mining as per the approved mining plan: 640 m.	-	
18.	Contents of chromium, manganese and heavy metal elements in the ground water samples of EIA study area.	Contents of Chromium :< 0.002 mg/l which is less than acceptable limit (0.05 mg/l). Manganese: 0.014 to 0.024 which is also less than acceptable limit (0.1 mg/l) All the heavy metal elements analysed are under permissible or acceptable limit. Ground water analysis result is summarized in EIA report (Chapter-3, Section-3.10.1.3).	-	

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19.

Green belt area is getting reduced. Does not look like 33% as stipulated in point No. 6 of Eligibility of the Project under clause 7(ii) "a": This shall be clarified with detailed calculation of greenbelt existing and proposed.

The total Mining Lease Area is 49.372 Ha. and out of which 48.632 Ha. is Forest Land (Khesra Forest : 7.936 Ha. and DLC Forest is 40.696 Ha.); out of 48.632 Ha. of Forest Land 3.047 Ha. is safety Zone Area.

The User Agency has obtained Forest Clearance (Change in Land Use From Safety Zone Purpose to Mining Purpose) over an area of 0.218 Ha. vide Letter No. F.No.8-23/2007-FC, Dt. 10.07.2020 from MoEF & CC and after obtaining all statutory clearance, the Joint Mining work has been started from 2022-23 with TRB Iron Ore Mines of M/s. Jindal Steel & Power Ltd, Tensa, Sundargarh.

So the Balance Safety Zone area is now available of 2.829 Ha.

Out of which the user Agency has applied one proposal vide proposal No. FP/OR/REDIV/430002/2023, Dt. 20/06/2023 has been submitted for change in Land Use Pattern from Safety Zone Purpose to Mining Purposes (Cluster Mining with Korp Resources Pvt Ltd, National Enterprisers and Gitarani Mohanty) over an area of 1.1594 Ha.

Out of which the user Agency has applied another proposal vide proposal no. FP/OR/REDIV/431319/2023, Dt. 30/05/2023 for change in Land Use Pattern from Safety Zone Purpose to Mining Purpose (Around Explosive Magazine) over an area of 0.636 Ha.

So the Balance Safety Zone Area of 1.0336 Ha will be maintained as Safety Zone. But now the Green belt is available is 2.829 Ha as safety zone area and the Dumping and Back-filled Area is 4.125 Ha. As per approved mining plan every year 0.689 HA land will be covered as green belt. Post Mining the entire area will be covered as green belt. Also the User Agency has submitted a bank guarantee of 2,46,86,000.00 to IBM, Bhubaneswar. Also the Project Proponent has amended in the Lease Deed for re-grassing the entire area i.e 49.372 Ha.

Type of land use	At the end of conceptual period (in ha)	Post Mine Land Use	Status

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Mining	32.40	Plantation	Shall be carried out
Mineral storage	4.64	Plantation	Shall be carried out
Roads	2.62	Plantation	Shall be carried out
Infrastructure (Workshop, Administrative building etc.)	0.27	Plantation	Shall be carried out
OB/waste dump	8.34	Plantation	Shall be carried out
Top soil preservation	0.00	Road	
Greenbelt	1.03		
Others	0.07		Done
Total	49.372		

Table- Land use breakup (Justification for Green Belt)

SL no.	Description	Area in ha During 2022-23	Area in ha During 2023-24	Area in ha During 2024-25	Area in ha During 2025-26	Area in ha During 2026-27
1	Safety Zone Area along ML Boundary	2.193	2.193	1.0336	1.0336	1.0336
2	Safety Zone Area around Explosive Magazine	0.636	0.636	0.000	0.000	0.000

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3	Stabilized OB Dump	2.275	1.945	1.945	1.945	2.275
4	Plantation in Back-filled of Excavated Area	1.850	2.450	3.050	3.650	423074

2. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 18.11.2023 and SEAC recommended for grant of Environmental Clearance only for 20% increase in production capacity (i.e. from 2.16 MTPA to 2.592 MTPA) in first phase under 7(ii) (a) of EIA notification 2006 as per MoEF&CC, Govt. of India OM dated 11th April 2022 with stipulated conditions as per Annexure-A and following specific conditions and after successful compliance to phase-I, rest 20% increase in production capacity (i.e. from 2.592 MTPA to 3.024 MTPA) will be considered under 7(ii) (a) of EIA notification 2006 as per MoEF&CC, Govt. of India OM dated 11th April 2022.
- b) The project proponent needs to preserve or utilize the ore and fine's containing Fe between 35-45%, following IBM guidelines.
 - c) The project proponent shall maintain adequate greenbelt in the lease area.
 - d) OB dump sites shall be managed properly as proposed.
 - e) The additional fines generated due to proposed enhancement shall be managed properly.
 - f) Proper Air Pollution Control measures shall be provided to control dust emission and local dust generation.
 - g) The Project Proponent shall get the Final Mine Closure Plan along with Financial Assurance approved from Indian Bureau of Mines/Department of Mining & Geology as required under the Provision of the MMDR Act, 1957 and Rules/ Guidelines made there under. A copy of approved final mine closure plan shall be submitted within 2 months of the approval of the same from the competent authority to the concerned Regional Office of the Ministry of Environment, Forest and Climate Change for record and verification.
 - h) Traffic management shall be done as per recommendation of Traffic Management Study Report duly vetted by institute of repute.
 - i) As a part of six-monthly compliance, the PP shall submit the status of Tailing Pond and its annual make-up to ascertain its capacity to take care of expansion in production including mineralogical & chemical analysis of excavated ore, dump materials and rejects. Also, actual layout after expansion may be submitted as a part of six-monthly compliance to the SEIAA, Odisha and Regional Office, MoEF&CC, Govt. of India, Bhubaneswar.
 - j) Adequate measures shall be adopted for management of noise, vibration and fly rocks.
 - k) Bench and dump slopes are to be designed and maintained so that their failure is avoided.

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Decision Of Authority: ADS

The authority observed that the PP has submitted Certified Compliance Report dated 10.06.2022 in respect of EC No. 354/SEIAA dated 27.12.2012 while the present application is for expansion of production quantity allowed in EC Identification No. EC22B0010R172761 dated 17.03.2022. The PP is required to submit certified compliance report in respect of EC Identification No. EC22B0010R172761 dated 17.03.2022 from Regional Office, MoEF&CC, Bhubaneswar.

APPROVED BY


Member Secretary, SEIAA


Member, SEIAA


Chairman, SEIAA