



AGENDA NO.113.01	
Proposal No.	SIA/OR/INFRA2/414838/2023
Date of Application	28.01.2023
File No.	414838/15-INFRA2-V/01-2023
Project Type	ToR (violation case)
Category	B2
Project/Activity including Schedule No.	8(a)- Building & Construction Projects
Name of the Project	Proposal of ToR for Construction of B+S+9 storied commercial/ residential apartment at Mouza-Bhagabanpur, Tahasil-Bhubaneswar, Dist-Khordha
Name of the company/Organization	Applicant-BDA, Bhubaneswar.
Location of Project	At Mouza- Bhagabanpur, Tahasil-Bhubaneswar, Dist-Khordha
Name of the Consultant	M/s Kalyani Laboratories, Bhubaneswar

**Proposal in brief:**

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

- i) This is a proposal of BDA, Bhubaneswar for consideration of ToR under violation case for Construction of B+S+ 9 storied commercial / residential apartments (already constructed) over a plot area of 1.48 acres with total built-up area of 25,400 sq.m at Mouza - Bhagabanpur, Tahasil-Bhubaneswar, Dist-Khordha filed by Sri Lokanath Prasad Mohapatra.
- ii) As per EIA Notification, 2006 and its subsequent amendments, this proposed project falls under category B and activity 8 (a) - Building and Construction projects. Since the construction of the building has taken place, hence the project will be dealt under violation case.
- iii) Project details: 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 sqm. with parking area of 7477 sqm. 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 sqm. However, after the completion of the project there was the requirement of parking area of 6500 sqm. For this additional requirement of parking as the project include commercial space, BDA allocated an area of 7477 sqm of the area for parking purpose, leading to total built up area 25400 sqm. As the built-up area is now greater than 20,000 sqm. Environment clearance is required for the project as per EIA Notification, 14<sup>th</sup> September 2014 and subsequent amendments. As the construction of the project has already been completed, the project is coming under violation category as per the EIA Notification 2006 & subsequent amendments thereto.
- iv) Location and connectivity: The project site for commercial and residential complex is located in Plot No: 86, 193, 347/2415, 1046/1480, 83/1680 on Khata No. 283/1, Kissam-Gharabari over an Plot area - 1.48 Acres, total Built-up area - 25400 Sq.m at Subudhipur, Kalinganagar, (K-9) Bhubaneswar. The area falls within Survey of India Toposheet No. 73 H/16. The site is surrounded by 30m wide approach road towards south and NH 5 on the north direction at 50m. Nearest railway station, bus stop and airport are as follows: Bhubaneswar Railway Station at 9km, Barmunda Bus stop at 5km, Biju Patnaik International Airport at 6km.
- v) Land ownership and area details: The project of B+S+9 storied commercial and residential apartment is spread over 1.48 acres of land and is adjacent to DN Regalia Mall. Land has been allocated by Odisha State Govt. to Bhubaneswar Development Authority for Developmental purpose. Basement and Stilt are for parking purpose, Ground and First floor are for commercial



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activity and rest 7 floors above that is premium residential 3BHK and 4BHK flats. The area details as mentioned in table:


**Table: 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 Nos.	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%	

- vi) 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. The 30 KLD of water required for flushing will be the STP treated water and the freshwater requirement will be 70 KLD.
- vii) Wastewater generation/STP: About 90 KLD of wastewater will be generated from the housing complex and community hall. There is the proposal of establishment of 100 KLD STP.
- viii) Rainwater harvesting: There is the proposal for rainwater harvesting within the project site. The project will create 6 nos. of rainwater recharge pit with 6m x4.5mx1.5m capacity.
- ix) Power requirement: Total electricity requirement for the building will be 1597 KW which will be supplied by the central Electricity supply Utility, Bhubaneswar Odisha. Two nos. of D.G set of 380 kVA capacities has been installed for emergency power back up in the housing complex. Out of the total power requirement, 80 KW will be from solar energy i.e. 5% of total power requirement.
- x) Parking: The parking will be provided on the stilt floor and open parking is also available. The total parking area available for the project will be 7477 Sq.m which include Basement and stilt floor parking.

Details of the Parking	Requirement in Sq.m	Area provided for Parking (Sq.m)
Residential Parking (30% of built-up area)	3690	4508 (Basement)
Commercial Parking (50% of Built-up area)	2810	2969 (Stilt floor)
<b>Total</b>	<b>6500</b>	<b>7477</b>

- xi) 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) will be responsible for greenery development of Bhubaneswar in compensation to this project.

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- xiii) Solid waste generation: About 215 Kg of solid waste will be generated from the proposed 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-biodegradable 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.
- xiii) Project cost: Total project cost is 61.19 Cr. which include all the construction and installation cost of the building and budget for EMP is Rs. 5,35,000.00
- xiv) The Environment consultant M/s Kalyani Laboratories Pvt. Ltd., Bhubaneswar along with the proponent made a presentation on the proposal before the Committee on 17.02.2023 for consideration of ToR.
- xv) Any deficiencies/omission have been noticed in the above documents- Nil

**Whether SEAC recommended the proposal –** Yes. The SEAC observed that the proponent has already constructed the project without obtaining Environmental Clearance as per EIA Notification 14<sup>th</sup> Sept. 2006 and amendment thereafter. 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 – A along with the following specific Term of Reference for undertaking EIA and preparation of Environmental Management Plan (EMP):

- (i) The State Government to take action against the project proponent under the provisions of section 19 of the Environment (Protection) Act, 1986, and further no Consent to Operate to be issued till the project is granted Environmental Clearance.
- (ii) The project proponent shall be required to submit a bank guarantee equivalent to the amount of remediation plan and natural and community resource augmentation plan with the SPCB prior to the grant of Environmental Clearance. The quantum 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.
- (iii) 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.
- (iv) 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.
- (v) 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.



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### **Decision of Authority:**

After detailed deliberation, the Authority decided to issue ToR under violation with the standard and specific condition as recommended by SEAC.

- (i) The PP needs to comply all the points of ToR for Violation Project and follow SOP dated 07.07.2021 issued by the Ministry of Environment, Forest & Climate Change for identification & handling of Violation cases under EIA notification 2006.
- (ii) The PP shall submit information on whether occupancy certificate has been issued by BDA for the project.

Member Secretary, SEIAA

APPROVED BY

Member, SEIAA

Chairman, SEIAA



AGENDA NO.113.02	
Proposal No.	SIA/OR/IND2/406839/2022
Date of Application	20.12.2022
File No.	406839/19-IND2/01-2023
Project Type	ToR
Category	B1
Project/Activity including Schedule No.	4(b) ii – Coal tar processing units
Name of the Project	Proposal for ToR for Proposed 1,00,000 TPA green field Coal Tar Distillation Plant at Kalinganagar Industrial Area, Village-Jakhapura & Kachharigaon, Tehsil-Danagadi, District-Jajpur by M/s VCI Chemical Industries Private Limited
Name of the company/Organization	Applicant: M/s VCI Chemical Industries Private Limited; Mr Shubham Gupta
Location of Project	Village –Jakhapura & Kachharigaon, Tehsil - Danagadi, District - Jajpur,
Name of the Consultant	M/s Visiontek Consultancy Services Pvt. Ltd, Bhubaneswar

**Proposal in brief:**

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

- (i) This is a proposal of M/s VCI Chemical Industries Pvt. Ltd for consideration of ToR for proposed 1,00,000 TPA green field Coal Tar Distillation Plant located at Village – Jakhapura & Kachharigaon, Tehsil - Danagadi, District - Jajpur filed by Sri Shubham Gupta.
- (ii) **Category:** As per EIA Notifications 2006, the proposed plant falls under category “B” schedule of 4 (b)– “Coal Tar Processing Units”.
- (iii) **Project details:** This is a proposed Greenfield project for Coal Tar Distillation Plant of processing capacity 1,00,000 TPA at Village Jakhapura & Kachharigaon, Tahsil: Danagadi, District: Jajpur in Odisha. The plant will also be equipped with most efficient auxiliary sub systems, material handling facilities and pollution control equipment. The land area for the proposed plant 22 Acre has been allotted by IDCO and is non-forest. Also, the proposed site is in a notified industrial area.
- (iv) Land allotted by IDCO vide letter no. IDCO:HO:P&A:LAE:8229/2021 22782 dtd. 06.09.2022.
- (v) No alternate sites considered as the proposed land as it comes under Kalinga Nagar Industrial notified area (Jakhapura & Kachharigaon village) vide The Odisha Gazette No. 458 Cuttack, Monday, March 03, 2014, Industrial department Notification 24th February 2014, letter no 962-XIX-HI-22/2014-1.
- (vi) **Location and Connectivity:** The geo coordinates of the plant area are 20°55'50.10"N & 86° 2'56.32"E, 20°55'42.32"N & 86° 3'1.98"E, 20°55'37.30"N & 86° 2'53.00"E, 20°55'45.56"N & 86° 2'47.25"E. The project site is situated at Village Jakhapura & Kachharigaon, Tahsil: Danagadi, District: Jajpur in Odisha. The topography of the plant area is flat with minor undulations. The site is well connected with Industrial Corridor Road of Kalinga Nagar Industrial Complex (adjacent to Project boundary), which in turn is connected to the NH 200 (4.01 km, SW). The Jakhapura Junction (2.05 km in Southeast) connects the site to the Jamshedpur- Vishakhapatnam Railway line. The airport closest to the proposed site is the Biju Patnaik Airport (78.75 km in SW) in Bhubaneswar. Kalinganagar is located at 120 km from Paradeep port and 160 km from Dhamra port which are well connected through road and rail.

- (vii) There is no National Parks, Wildlife sanctuaries and Biosphere Reserves within 10 Km from the proposed site. However, Dangadi Protective Forest is present at 4.29 km, NNE. Brahmani River (4.63 km, South), Ganda Nala (3.43 km, East) and a Seasonal Nala (0.05 km, West).
- (viii) Land use:

**Table: Land use break up**

Sl. No.	Description of Area	Acre (Ac.)	Hectare (Ha.)	Area Percentage (%)
i)	Security Office, Reception & Material Inward/outward Area	0.5	0.20	2
ii)	Office Building, Dormitory, Canteen & Parking	1.7	0.69	8
iii)	Weighbridge	0.1	0.04	0
iv)	Air Compressor & Nitrogen Room	0.2	0.08	1
v)	Cooling Tower	0.2	0.08	1
vi)	Fire Hydrant System, Process Water	0.2	0.08	1
vii)	Steam Boiler	0.5	0.20	2
viii)	Effluent Treatment Plant (ETP)	0.9	0.36	4
ix)	Pitch Reforming, Zero QI Warehouse	1.5	0.61	7
x)	Refined Naphthalene Warehouse	0.5	0.20	2
xi)	NSF Area	0.4	0.16	2
xii)	Coal Tar Distillation Area	1.2	0.49	5
xiii)	Intermediate Tank Farm Area	0.6	0.24	3
xiv)	Raw Material & Product Tank Farm Area	1.4	0.57	6
xv)	Light Oil Tank Farm Area	0.3	0.12	1
xvi)	Electrical Substation	0.3	0.12	1
xvii)	Store Room & Workshop	0.1	0.04	0
xviii)	Loading Area	0.4	0.16	2
xix)	Subtotal Built up Area	11	4.45	50
xx)	Scrap Yard Area	0.2	0.08	1
xxi)	Tanker Yard Area	0.6	0.24	3
xxii)	Road Area	2.1	0.85	10
xxiii)	Drain Area	0.5	0.20	2
xxiv)	Water Reservoir, Rainwater Harvesting & SRTS	0.3	0.12	1
	Subtotal Open Area	3.7	1.50	17
xxv)	Green Belt Area	7.3	2.95	33
	Subtotal Green Belt Area	7.3	2.95	33
	Total Area	22	8.90	100

- (ix) Water requirement: The total water requirement for the proposed plant will be 376 KLD sourced from Department of Water Resources (IDCO Supply).
- (x) STP/ETP: The domestic wastewater will be treated in STP. A total of 12.80 KLD will be sent to the Sewage Treatment Plant of 20 KLD Capacity. Treated water will be recycled and reused. The

STP will run by the MBBR technology. The Process wastewater will be treated in Effluent Treatment Plant (60 KLD).

(xi) Wastewater generation:

**Table: Details of Wastewater**

S. No.	Description	Wastewater generation in KLD	Remarks
i)	Process	3	The water will be treated in ETP (60 KLD) and be reused in Processing.
ii)	WTP Backwash	10	
iii)	Floor washing wastewater	11	
iv)	Boiler blow down	3	
v)	Cooling Tower blow down	29	
vi)	Domestic wastewater	12.8	The water will be treated in STP (20 KLD) and be reused for Greenbelt.
<b>Total</b>		<b>68.8</b>	

(xii) Power requirement: The power requirement for the proposed project is 2.138 MW sourced from TPCODL.

(xiii) Fuel requirement: Natural gas 560 Metric Million British Thermal Unit per day (MMBTU/D) is required and will be sourced from BPCL (Bhubaneswar) and will be transported via Pipeline.

(xiv) Greenbelt: The total green belt area shall be 33% of the total area. A comprehensive greenbelt/plantation program will be undertaken in and around the project. The species selection will depend upon the crown shape, surface of bark and leaves, flower, color, the capacity of growth in the wide variations of ecological conditions etc.

(xv) Rainwater harvesting:

Particulars	Area (To be filled)		Avg. Rain fall (mm/annum)	Runoff Coefficient	Avg. Water collected (m <sup>3</sup> /annum)	Loss in Evaporation from Storage Tank (m <sup>3</sup> )
	(Acres)	(Sqm)				
Roof Top of building/Shed /	6	24,276	1.56	0.85	32190	
Road/Paved area	2.2	8901.2		0.65	9014.82	
Open Land (Drain area, Tanker Yard area, Scrap Yard area)	1.8	7282.8		0.20	2269.46	
Green Belt	7.3	29131.2		0.15	6808.39	
Reservoir (Rain water Harvesting, SRTS)	0.3	1213.8		1	1891.22	2658.22 (about 5% loss)



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<b>Total</b>	<b>17.6</b>	<b>70805</b>	<b>-</b>	<b>-</b>	<b>52,173.89</b>	
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**(xvi) Greenbelt:**

Particulars	Area (To be filled)		Avg. Rain fall (mm/annum)	Runoff Coefficient	Avg. Water collected (m <sup>3</sup> /annum)	Loss in Evaporation from Storage Tank (m <sup>3</sup> )
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Roof Top of building/She d/	6	24,276	1.56	0.85	32190	
Road/Paved area	2.2	8901.2		0.65	9014.82	
Open Land (Drain area, Tanker Yard area, Scrap Yard area)	1.8	7282.8		0.20	2269.46	
Green Belt	7.3	29131.2		0.15	6808.39	
Reservoir (Rain water Harvesting, SRTS)	0.3	1213.8		1	1891.22	2658.22 (about 5% loss)
<b>Total</b>	<b>17.6</b>	<b>70805</b>		<b>-</b>	<b>-</b>	<b>52,173.89</b>

(xvii) Manpower: It is estimated that the manpower requirement for the proposed plant will be about 600 during the construction phase of the plant and 167 during operation phase of the plan.

(xviii) Project cost: The total cost of the project is estimated to be Rs. 203.72 Crores. Total capital cost for environmental pollution control measures Rs. 14.20 Crores. Recurring cost per annum for environment pollution control measures Rs. 2.165 Crores.

(xix) The Environment consultant M/s Visiontek Consultancy Services Pvt. Ltd, Bhubaneswar along with the proponent made a presentation on the proposal before the Committee on 14.02.2023.

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

**Whether SEAC recommended the proposal** – Yes, the SEAC prescribed the following specific ToRs as below in addition to standard ToRs for conducting detailed EIA study.

- i) The project proponent shall conduct public hearing for the project.
- ii) Detailed specification of ETP to be used including confirmation of chemical analysis of treated waste water from ETP and “zero discharge” SOP.
- iii) Detailed proposal for management of Hazardous waste generated.
- iv) Land schedule along with kissam plot wise in tabular form.
- v) Chemical Analysis of Waste water and ensure zero liquid discharge from the premises. Water balance with ZLD proposal to be submitted.



- vi) Mitigation measures to be undertaken to arrest pollutants going to air including composition / chemical analysis of process loss effluents and emissions to be found out and technology driven mitigation measures to be submitted.
- vii) Occupational health study in the area including adoption of ISO 14001 and OHSAS to be submitted.
- viii) Measures to be taken to control odour problem.
- ix) To submit STP and it's capacity including the water balance (both monsoon and non-monsoon) and disposal of excess treated waste water, quantity, mechanism and SOP.
- x) To indicate details of bore well, tube well and Pond/ or water bodies physically present within 2-5 kms of the proposed project and the habitation within 5 kms.
- xi) SOP for periodical testing of the water/ tube Wells, bore well and Ponds / water bodies w.r.t Cyanide, phenolic compounds (Phenol), ammonia and health hazardous substances Etc. w.r.t BIS for drinking water suitability.
- xii) To make provision of concrete Garland drain around the boundary of the project to collect surface runoff/ storm water/ or any mix of treated waste water from ETP, collection of the same in an impervious concrete Pond with matting to arrest any leached and recycling of the same in ETP.
- xiii) To have technological provision in ETP so that have treated liquid outlet discharge having Cyanide, Phenol or ammonia contain etc. and continuous chemical analysis of the same.
- xiv) To have provision of concrete Pit of appropriate dimension with matting to put ETP sludge and SOP for suitable disposal of the same after due chemical analysis.
- xv) To undertake traffic density study by domain expert at the intersection of the incoming vehicles/ outgoing vehicles of the proposed project with NH 200 which is located at about 200 mtr from the project side.
- xvi) To undertake socio- economic study of the locality through the domain expert.
- xvii) Sulphur content in coal tar and sulphur mass balance in the whole process.
- xviii) Detail report on phenol content, cyanide content and hydrocarbon content present in air, oil and water.
- xix) Details of Hydrocarbon loss during the manufacturing process.
- xx) Power consumption requirement including renewable energy details.
- xxi) A box diagram for material balance with flow chart.
- xxii) Occupational exposure hazard management details.

**Decision of Authority:**

After detailed deliberation, the Authority decided to issue ToR with specific condition & other standard conditions to the project for undertaking detailed EIA study as recommended by SEAC.

  
Member Secretary, SEIAA

**APPROVED BY**

  
Member, SEIAA

  
Chairman, SEIAA



<b>AGENDA NO.113.03</b>	
Proposal No.	SIA/OR/INFRA2/408179/2022
Date of Application	02.02.2023
File No.	408179/105-INFRA2/01-2023
Project Type	EC
Category	B2
Project/Activity including Schedule No.	8(a)-Building & Construction Projects
Name of the Project	Proposal of EC of proposed Construction of Corporate Office over a built-up area of 1,10,000 Sq.mt at Mouza- Jaydev Vihar, Tahasil-Bhubaneswar, District- Khordha,
Name of the company/Organization	Odisha Mining Corporation Limited (OMC).
Location of Project	at Mouza- Jaydev Vihar, Tahasil-Bhubaneswar, District- Khordha
Name of the Consultant	M/s Parivesh Environmental Engineering Services, Lucknow, Uttar Pradesh

**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 Odisha Mining Corporation Ltd. for corporate office building comprises mainly parking areas in basement - 1 and basement - 2, office areas, food courts, auditorium etc., in ground to seventh floor in the OMC corporate office over a built-up area 1,10,000 Sq.m located at Jaydev Vihar, Bhubaneswar of Dr. Suman Krishna Sit.
- (ii) Project details: Odisha Mining Corporation Limited or OMC is a Gold Category Public Sector Undertaking (PSU) established on 16 May 1956 as a Joint Venture Company between Government of Odisha and Government of India. Four years later, OMC became a wholly State-Owned Corporation of Government of Odisha on 17th Nov 1961. M/s OMC Ltd. is planning to construct a corporate office in Jaydev Vihar, District- Khordha, Bhubaneswar. The proposed corporate office building will comprise of two basements, G+7 floors for office Building. Main components of the proposed building are – Basement parking (2- Level), office areas, food courts, art gallery, museum and auditoriums etc. in ground to seventh floor. Project comprises of three separate blocks are as follows. Block-A (G to 7 floors), Block-B (G to 7 floors) & Block-C (G to 7 floors).
- (iii) Location and connectivity: The project site is located at Plot-1816, 1817, 2259/4088, Khata no. 1426/600, Revenue Village- Jayadev Vihar, District-Khordha, Bhubaneswar, Odisha. Site co-ordinates of the project are bounded by 20°17'39.58"N, 85°49'21.25"E to 20°17'40.76"N, 85°49'20.48"E. Site is well connected to transport facilities as well as surrounded by densely populated areas. Project site is near to the Chennai -Kolkata Highway/NH5 (in South). The nearest airport is Biju Patnaik International Airport, approx. 4.73 km (SSW) from the project site. Mancheswar railway station, which is approx. 4.13 m, NE away from the project site.
- (iv) Area details: The Proposed Construction of corporate office building measures on a plot area of 25,072.5m<sup>2</sup> (6.195Acres) with built-up area of 1,10,208.22 m<sup>2</sup>. Detailed area statement is given in table below.

Sl. No.	Description	Area (m <sup>2</sup> )
i)	Plot Area	25,072.5 (6.195 Acres)

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ii)	Permissible Ground Coverage (40% of plot area)	10,029
iii)	Permissible FAR (@3.00 of plot area)	75,217.5
iv)	Proposed Ground Coverage (@ 39.10% of plot area)	9,802.739
v)	<b>Proposed FAR Area (@2.92)</b> FAR of Block-A FAR of Block-B FAR of Block-C FAR in Basement-1 FAR in Basement-2	<b>73,795.650</b> 22,439.394 23,141.667 22,739.319 2,663.451 2,811.82
vi)	<b>Non - FAR Area</b> Block (A,B, C) Basement-1 Basement-2	<b>31,499.034</b> 1,574.550 14,962.242 14,962.242
vii)	<b>Deduction area</b>	<b>4,913.534</b>
viii)	<b>BUILT UP AREA</b>	<b>1,10,208.22</b>
ix)	Proposed Green Area Landscaping at ground level Terrace green at each block	12,300 7,200 5,100
x)	Maximum height of the building	34.20 mtrs

- xi) Population density: The total population of the project will be 8,552 persons that include Office staff as well as visitor population.
- xii) Water requirement: Total water requirement during the operational stage of the project is 564KLD. The domestic water requirements for the project will be approx. 186KLD. Total daily Fresh water requirement shall be approx. 327KLD. The source of water supply during operational phase will be existing municipal water supply.

S. No	Description	Total Population/Occupancy/Area (m <sup>2</sup> )	Unit Water Consumption (lped)	Domestic/Fresh water (KLD)	Flushing/Treated Water (KLD)	Total Water Requirement (KLD)	Wastewater generation/ day (KLD)
<b>A Main Uses</b>							
<b>Block-A, B &amp; C</b>							
	Offices	6,492	45	162.3	129.84	292.14	259.68
	Food Court	480	35	12	4.8	16.8	14.4
	Auditorium	432	15	2.16	4.32	6.48	6.048
	Art Gallery & Museum	499	15	2.495	4.99	7.485	6.986
	Visitors	649	15	6.49	3.245	9.735	8.437
<b>WATER DEMAND FOR MAIN USES</b>				<b>186</b>	<b>147</b>	<b>333</b>	<b>296</b>
<b>B Other Uses</b>							
	Landscaping Area		3-6 l/m <sup>2</sup> /day	-	51	51KLD	-

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HVAC Cooling*	750 TR(4W+1S)	10Lit./hr*/TR	141	39	180 KLD	-
<b>TOTAL</b>			<b>327 KLD</b>	<b>237 KLD</b>	<b>564 KLD</b>	<b>296 KLD</b>

xiii) **Wastewater generation and STP:** Quantity of sewage generated during operational phase shall be approx. 296KLD. The domestic sewage will be treated through in-house sewage treatment plant of capacity 355 KLD, the treated domestic wastewater shall be recycled and re used within premises. The treated waste water will be reused for flushing (147KLD), HVAC cooling (39KLD) and landscape development (51KLD). During Non- Rainy seasons makeup water required for HVAC will be 141KLD and during rainy season it would be 96KLD of makeup water required for HVAC cooling which will be taken from municipal supply.

xiv) **Parking details:** Parking required for Office building as per the Odisha Building Bye Laws is 40% of total BUA towards FAR. Parking area required is 29,518.26 m<sup>2</sup> and Proposed area for parking is 30,190.83 m<sup>2</sup> or 877 ECS as per the table.

Parking area Proposed in Basement 1	14122.23 m <sup>2</sup>
Area required for 1 ECS	35 m <sup>2</sup>
Parking Proposed in Basement 1	403 ECS
Parking Area Proposed in Basement 2	14378.6 m <sup>2</sup>
Area required for 1 ECS	35 m <sup>2</sup>
Parking Proposed in Basement 2	410 ECS
Parking area Proposed on surface	1,690 m <sup>2</sup>
Area required for 1 ECS	25 m <sup>2</sup>
Parking Proposed on Surface	64 ECS
<b>TOTAL AREA PROPOSED FOR PARKING</b>	<b>30,190.83 m<sup>2</sup></b>
<b>Proposed Parking</b>	<b>877 ECS</b>
<b>E-Vehicle Charging Facility</b>	<b>46 ECS</b>

xv) **Rainwater harvesting:** Rainwater harvesting has been catered to and designed as per the guideline of CGWA. Peak hourly rainfall has been considered as 120 mm/hr. The recharge pit of 3.5m diameter and 3.0m depth is constructed for recharging the water. Inside the recharge pit, a recharge bore is constructed having adequate diameter and depth. The bottom of the recharge structure will be kept 5m above this level. At the bottom of the recharge well, a filter media is provided to avoid choking of the recharge bore. Total rain water harvesting pits proposed are 15 Nos.

xvi) **Power requirement:** The electrical load requirement has been calculated based on covered area of service building as per NBC 2016. TPCODL shall provide electric supply on 33 kV for meeting electrical load requirements of proposed project. Solar power proposed is 146.30 KWp of Solar PV from 418 Solar PV module which is about 3.87 % of Total Demand Load.

Power Requirement	Details
Electrical Load	Maximum demand Load 3978.60 kVA (3779.69 KW)
*Transformer Selection	3Nos. 1600 kVA 33/0.433KV, Dry type transformers
Source of Power Supply	TPCODL (TP Central Odisha Distribution Limited) is the local Electricity Supply authority in Bhubaneswar
Proposed DG Set Capacity	DG sets - 2* 2000kVA + 1*1250kVA + 1*No. 500 kVA
Location of GG Sets	DG sets shall be placed on 1 <sup>st</sup> Basement DG sets shall be Radiator type (Air cooled).
*Stack Height	As per CPCB norms and Local Authority

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- xvii) Solid waste generation: It is estimated that maximum solid waste generation would be about 2,104Kg/day. Maximum solid waste generation would be about 2,104Kg/day, (considering 0.25 kg/day for staff and 0.15 kg/day for visitors). Bio-degradable waste will be approx. 842 kg/day. However Non- biodegradable waste estimated to be approx. 1262 kg/day. The local vendors will be hired to provide separate-colored bins for dry recyclables and Bio-Degradable waste. Bio-degradable waste will be subjected to the compost, resultant will be used as manure.
- xviii) Greenbelt: Total green area proposed for project is 12,300 m<sup>2</sup>.

**Table: Greenbelt details**

<b>Plot area</b>	25,072.5 m <sup>2</sup>
<b>Proposed Green Area Landscaping at ground level</b>	12,300 m <sup>2</sup>
<b>Terrace green at each block</b>	7,200 m <sup>2</sup> (@ 28.72 % of plot area)
	5,100 m <sup>2</sup>
<b>As Per MoEF&amp;CC Guidelines</b>	One tree per 80 m <sup>2</sup> of total area out of which minimum 50 % to be in the category of evergreen trees.
<b>Trees Required</b>	25,072.5 /80 = 313.406
<b>Nos. of trees proposed at site</b>	186
<b>Total trees at the site</b>	339
<b>Trees to be retained at site</b>	127
<b>No. of trees to be cut/transplant</b>	212
Compensatory plantation will be done in the Parks/nearby Areas being maintain by OMC	

- xix) Fire & Safety Management - Adequate fire fighting arrangements will be provided in the proposed project. The fire fighting arrangements provided in the proposed project are given below:
- Provision of separate fire hydrant system.
  - There is provision of fire fighting pumps.
  - There is provision of sprinkler system.
  - There is provision of CO<sub>2</sub> extinguishing system for transformer room and other critical areas.
  - Provision of Hand-held fire extinguishers.
  - Provision of Fire protection system.
  - IP Based Public Address system shall be provided in entire complex. It shall comply with EN-54,BS-5839-8 & IEC 60849 /relevant IS codes, NBC-2016 & Local fire authority norms
- xx) **Manpower:** The total manpower requirement during construction phase of the site will be an approximate 200-250 person which includes workmen, labourers, supervisors, engineers, architect and Manager.

- xxi) **Project cost:** The estimated cost of the project is 550 crores. EMP cost includes 157.75 lakhs (Capital cost) and 45.13 lakhs (recurring cost) as per the table.

**Table: Environment Management Plan Cost [Construction + Operational Phase]**

<b>Component</b>	<b>Capital Cost (INR Lakhs)</b>	<b>Recurring Cost/Yr. (INR Lakhs)</b>
Sewage Treatment Plant	28.4	7.10
Rain Water Harvesting System	13.5	3.38
Solid Waste Management	20	5
Environmental Monitoring [Cons.]		7
Environmental Monitoring (Operation)		9



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Green Area	1.1	0.27
Integrated sprinkling System	0.75	0.15
Anti-smog guns for dust suppression and air pollution control	10	0
E- Vehicle Charging Points	31.50	0.1
solar power generation	52.5	13.13
<b>Total</b>	<b>157.75</b>	<b>45.13</b>

xxii) The Environment consultant M/s Parivesh Environmental Engineering Services, Lucknow, Uttar Pradesh along with the project proponent made a presentation on the proposal before the Committee on 17.02.2023.

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

**Whether SEAC recommended the proposal** – Yes, the SEAC recommended for grant of Environmental Clearance valid for 10 years with stipulated conditions in addition to the following specific conditions as follows.

- i) The Proponent before implementation of the project shall convert the land to Gharabari and shall take the ownership of the land if not already taken.
- ii) The Proponent shall obtain permission/NOC from Executive Engg (PHD) and / or from the appropriate authority for disposal of excess STP treated water to the nearest drain without which the Proponent will not start construction work. Also, in case of the connecting drain passing through others land (Govt. or Private land), the Proponent shall obtain the permission and possession as the case may be.
- iii) The proponent shall use solar energy at least to the tune of 5% of total power requirement as proposed.
- iv) To reduce discharge of treated water to open drain, the proponent shall use more water for increased number of trees proposed to be planted in the green belt area & shall also utilize this treated water for car washing, floor washing to minimize the surplus discharge to drain.
- v) The proponent shall implement the Pollution Control Measures and safeguards as proposed in the Environment Management Plan (EMP) of project report.
- vi) The proponent shall Comply to the provision of structural stability certificate as per the bye- law of the Development Authority.
- vii) Since, existing structure is there and the proposed building will be constructed demolishing the existing structure, the proponent shall obtain permission from concerned authority for demolishing the existing structure.
- viii) The proponent shall take adequate measures to prevent noise and air pollution to surrounding environment during demolition of existing structure.
- ix) The Construction and Demolition waste to be generated during demolition of existing structure shall be managed as per Construction and Demolition Waste Management Rules, 2016.
- x) The PP shall adhere to terms of Agreement with BDA
- xi) The proponent shall provide STP of adequate capacity for treatment of waste water to be generated from the project during operation phase.
- xii) Traffic study shall be conducted and vetted by reputed institution.
- xiii) The proponent shall maintain a greenbelt area of 20% of plot area.
- xiv) The proponent shall start the construction work of the project after safe demolition of existing construction.
- xv) All compliances submitted/ committed by PP(s) shall be strictly adhered to them in addition to all the conditions/ specific conditions of EC.

**Decision of Authority:**



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After detailed deliberations, the Authority **decided to grant EC** with specific and stipulated conditions as recommended by SEAC. The PP is required to ensure that ground water shall not be extracted during the construction period of the project.

**APPROVED BY**

  
Member Secretary, SEIAA

  
Member, SEIAA

  
Chairman, SEIAA

**AGENDA NO.113.04**

Proposal No.	SIA/OR/INFRA2/401962/2022
Date of Application	03.12.2022
File No.	401962/505-INFRA2/12-2022
Project Type	EC
Category	B2
Project/Activity including Schedule No.	8(a)-Building & Construction Projects
Name of the Project	Proposal of EC of proposed Construction of Proposed (S+9) Storied Kanther-Koida Residential Colony of Rungta Mines Limited at village- Kanther-Koira, Mouza - Koira in District, Sundergarh
Name of the company/Organization	Applicant:Rungta Mines Ltd; Sri.Hirak Mazumder,Director
Location of Project	village Kanther-Koira, Mouza - Koira in District, Sundergarh
Name of the Consultant	M/s Centre for Envotech and Management Consultancy Pvt. Ltd., Bhubaneswar

**Proposal in brief :**

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

- (i) This is a proposal of M/s M/s Rungta Mines Limited for Environmental Clearance of proposed construction of (S+9) storied Kanther-Koida Residential Colony of Rungta Mines Limited over an built-up area 57963.68 sqm located in village Kanther-Koira in District, Sundergarh of Sri Hirak Mazumder.
- (ii) Kamanda steel Plant had obtained Environmental Clearance from MoEF&CC vide letter no. J-11011/434/2009-IA.II (I), dated 08.05.2021. M/s Rungta Mines Limited (Kamanda Steel Plant) has proposed a Kanther-Koira Residential colony near Kamanda steel plant to accommodate the non-native employees.
- (iii) Location and connectivity: The proposed residential project site is located in Plot No: 1173, 1175/2362, 1175/2363, 1175/2364, 1446, 1446/2495 of Khata No.: 149/224 in village Kanther-Koira, Mouza - Koira in District Sundergarh, Odisha. The location of the project area can be seen in Survey of India Open Series No. F45N1 & F45N5. The co-ordinates of the site Latitude is 21° 53' 51.16" N and Longitude: 85° 15' 15.80" E. The site is accessible by all weather road from the district collector Keonjhar (51 km) and town Koida (1.3 km). The site is located near Koira-Barsuan Road which is 0.8 km from project site and National Highway-520 is 1.2 km from project site, which connects Parsora to Rajamunda. The nearest railway station is Barsuan at a distance of 15.2 km. The nearest airport Birsa Munda Airport is at Ranchi, which is approximately 157 km from the site.
- (iv) Area details: There are few existing buildings in the proposed site which will be untouched. There will be total 476 numbers of flats to be constructed and total population will be 2452.

Particular	Existing	Proposed	Total
Plot Area		8.20 Ac. (33,196.28 sqm)	



Ground Coverage	4946.84 sqm	4845.73 sqm	9792.57 sqm (29.49%)
FAR Area	14644.71 sqm	34623.99 sqm	49268.70 sqm
FAR (Floor Area Ratio)	--	--	1.48
Built up Area (construction)	18804.88 sqm	39158.80 sqm	57963.68 sqm
Maximum Height	14.40 mt.	35.67 mt.	
Road Area			9,412.33 sqm
Stilt Parking	3,706.45 sqm	4534.81 sqm	8241.26 sqm
Open Surface Parking	2232.20 sqm	1860.81 sqm	4093.01 sqm
<b>Total Parking Area</b>	<b>5938.65 sqm</b>	<b>6395.62 sqm</b>	<b>12334.27 sqm</b>
Green Belt Area			6650.23 sqm (20.03%)
No. of Tower	28	5	33
No. of Unit	152	324	476

- (v) **Water requirements and Wastewater generation** – Total water requirement for the project is 347KLD. Out of 347KLD, total fresh water requirement will be 229.0 KLD and for flushing will be 118KLD. The source of water is Surface Water. It is expected that the project will generate approx. 324.1 KLD of wastewater. The wastewater will be treated in the STP of capacity of 400 KLD provided within the complex. Out of which 307.9 m<sup>3</sup>/day will be recycled within the project for flushing (118.0 m<sup>3</sup>/day), landscaping (34.5 m<sup>3</sup>/day), Dust Suppression (25.0 m<sup>3</sup>/day), STP loss (16.2 m<sup>3</sup>/day) & 130.4 m<sup>3</sup>/day will be discharged to drain in case of non-monsoon period and 189.9 m<sup>3</sup>/day. The storm water & treated water will be discharge to nearby drain.
- (vi) Rainwater harvesting pits: Total number of Rainwater Harvesting Pit provided is 35 nos.
- (vii) Power requirement - The total consolidated electrical load estimate for proposed project is about 1817 KW. To meet emergency power requirements during the grid failure, there is provision of 1 no. of DG set of 550 KVA capacity. The stack height of the DG set will be 40.36m. DG set installed will be Silent DG Set as per BS 6 & Latest CPCB Norms with Electronic Governor and Synchronization Compatibility. Solar Energy proposed is 5.15% of total power through 40 Nos. of Solar Street Light poles of 2.88 KW capacities will be directly connected with Solar Panel and 90.85 KW Solar energy generated from 75 nos. of PV Panel is directly connected with electric grid.
- (viii) Firefighting: Firefighting system will be installed as per recommendation of the Firefighting Officer, Odisha and as per the guideline of NBC (part-4). The firefighting system comprises of Hose Reel, Down Comer, Manual operated electric fire alarm system, Terrace Tank, Extinguisher and Terrace pump. Safe evacuation rout for building residents should be cleared marked to ensure safety of residents during any emergency.
- (ix) Traffic study: For transportation of construction materials expected traffic volumes will be average 6 tippers per day. During the operation period there will be increase in traffic-density due to the movement of residential people and guests.
- (x) Green belt - An adequate greenbelt 6650.23sqm (20.03% of the plot area) or plantation around the project will be developed by using the local species like Radhachuda, Nageswar, Akash Neem, Ashok, Polanga, Karang, Bela, Pijilu, Kaniara, Tagar, Hena, etc. The plantation matrix adopted for the green belt development includes pit of 0.3 m x 0.3 m size with a spacing of 2 m x 2 m. Multi-layered plantation comprising of medium height trees (7 m to 10 m) and shrubs (5 m height) are proposed for the green belt.

- (xi) Solid waste Generation: From the residential complex solid waste in form of food waste from kitchen and miscellaneous waste will be generated @ 0.45 kg/person/day, which will be about 1105.2 kg/day. The generated solid waste from the residential complex will be segregated as biodegradable and non-biodegradable. This will be collected in separate colored bins. Proper waste management practices will be adopted during the collection, storage and disposal of the generated solid waste and construction and demolition waste. Solid waste from sweeping and Dry Garbage containing non bio degradable wastes like polythene bags, metal, ceramic Waste, glass etc. shall be stored in separate garbage bin and send to approved recyclers.

S. No.	Category	Counts (heads)	Waste generated (kg/day)
i)	Residential Population	2456 @ 0.45 kg/day	1105.2
ii)	Floating Population	123 @ 0.15 kg/day	18.45
iii)	STP Sludge	--	45.0
	<b>Total</b>		<b>1168.65</b>

- (xii) Parking details: Total Parking Area provided is greater than Parking Area required (as per Odisha Bye-laws) and Parking Area needed as per NBC 2005 norms

Parking Area Provided			
Open Parking			4093.01 sqm
Stilt Parking			8241.26 sqm
<b>Total Parking</b>	--	--	<b>12334.27 sqm</b>
Equivalent Car Space Provided			
	Area (sqm)	Area/ECS	
Open Parking	4093.01	25	164 ECS
Stilt Parking	8241.26	28	294 ECS
<b>Total Parking Provided</b>			<b>458 ECS</b>

- (xiii) Project cost - The estimated project cost is around Rs 73.0 Crores while Environment Management Capital Cost is 90 Lakhs and recurring Cost is 17.2 Lakhs.
- (xiv) The Environment consultant Centre for M/s Centre for Envotech and Management Consultancy Pvt. Ltd., Bhubaneswar, along with the proponent made a presentation on the proposal before the Committee on 23.12.2022.
- xvii) Any deficiencies/omission have been noticed in the above documents- PP has submitted to use surface water for drinking purpose.

**Whether SEAC recommended the proposal** – Yes, in its meeting held on 20.02.2023, the SEAC recommended for grant of Environmental Clearance valid for 10 years with stipulated conditions in addition to the following specific conditions as follows.

- The Proponent before implementation of the project shall convert the land to Gharabari and shall take the ownership of the land if not already taken.
- The Proponent shall obtain permission/NOC from Executive Engg (PHD) and / or from the appropriate authority for disposal of excess STP treated water to the nearest drain without which the Proponent will not start construction work. Also, in case of the connecting drain passing through others land (Govt. or Private land), the Proponent shall obtain the permission and possession as the case may be.
- The proponent shall use solar energy at least to the tune of 5%of total power requirement as proposed.
- The proponent shall obtain permission from concerned Fire Safety Authority.
- Trees located within the project area shall be transplanted to alongside the boundary green development area.

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- vi) To reduce discharge of treated water to open drain, the proponent shall use more water for increased number of trees proposed to be planted in the green belt area & shall also utilize this treated water for car washing, floor washing to minimize the surplus discharge to drain.
- vii) The proponent shall implement the Pollution Control Measures and safeguards as proposed in the Environment Management Plan (EMP) of project report.
- viii) All compliances submitted/ committed by PP(s) shall be strictly adhered to them in addition to all the conditions/ specific conditions of EC

**Decision of Authority:** The Authority observed that the PP will be using surface water but there is no information regarding NoC from competent authority. After detailed deliberation, the Authority decided to seek clarification on the total water requirement for the project, permission from competent authority and detailed mechanism for using surface water for drinking purpose.

**APPROVED BY**

  
Member Secretary, SEIAA

  
Member, SEIAA

  
Chairman, SEIAA



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AGENDA NO.113.05	
Proposal No.	SIA/OR/MIN/299103/2023
Date of application	01.04.2023
Project Type	Transfer of EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Transfer of EC of Rengali Stone Quarry Over An Area Of 5.00 Acres Or 2.023 Hectares At Village Rengali Under Pallahara Tahasil Of Angul District, Odisha.
Name of the company/Organization	Sri Narottam Sahoo illage:- Jhimiripali, PO- Dimiria, PS- Pallahara Orissa 759119
Location of Project	Village Rengali Under Pallahara Tahasil Of Angul District, Odisha

### Proposal in brief:

- (i) The highlights of the proposal as ascertained from the application and as revealed from proceedings/discussion held during the meeting of SEIAA, are given as under.
- (ii) This is a proposal Transfer of EC of Rengali Stone Quarry Over An Area Of 5.00 Acres Or 2.023 Hectares At Village Rengali Under Pallahara Tahasil Of Angul District, Odisha.
- (iii) Documents submitted: Application in Form-7, earlier EC copy, Tahasildar forwarding letter, Status of quarry and scrutiny of Rs. 1000/- vide e-Challan Ref. No. 35948A7DD4 dated 25.01.2023
- (iv) The EC of Rengali Stone Quarry Over An Area Of 5.00 Acres Or 2.023 Hectares At Village Rengali Under Pallahara Tahasil Of Angul District, Odisha was in favour of Tahasildar, Pallahara vide SEIAA letter no./Identification No. EC23B001OR188355 dated 17.01.2023
- (v) Present status of quarry- non-Working.
- (vi) Whether submitted KML file-Yes
- (vii) The project proponent applied proposal for transfer of EC from the name Tahasildar, Pallahara to Sri Narottam Sahoo, (highest bidder/lessee) with attaching Tahasildar forwarding letter vide letter no. 332 dated 18.01.2023.
- (viii) The PP has submitted required documents as per EC conditions.
- (ix) Any deficiencies/omission have been noticed in the above documents- Nil

Whether SEAC recommended the proposal – N/A

### Decision Of Authority:

**The transfer of EC is allowed** subject to submission of six monthly fully compliance report of the stipulated conditions of EC issued earlier vide no. EC23B001OR188355 dated 17.01.2023.

  
Member Secretary, SEIAA

APPROVED BY  
  
Member, SEIAA

  
Chairman, SEIAA



## Minutes of 113<sup>th</sup> Meeting of SEIAA, Odisha Held on 03.04.2023 & 04.04.2023

AGENDA NO.113.06	
Proposal No.	SIA/OR/MIN/299131/2023
Date of application	03.04.2023
Project Type	Transfer of EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Transfer of EC of Devi River Sand Quarry in village Tirthapada under Kantapada Tahasil of Cuttack dist.
Name of the company/Organization	Sri Sachin Sahoo
Location of Project	village Tirthapada under Kantapada Tahasil of Cuttack dis
<b>Proposal in brief:</b>	
(i) The highlights of the proposal as ascertained from the application and as revealed from proceedings/discussion held during the meeting of SEIAA, are given as under.	
(ii) This is a proposal Transfer of EC of Devi River Sand Quarry in village Tirthapada under Kantapada Tahasil of Cuttack dist..	
(iii) Documents submitted: Application in Form-7, earlier EC copy, Tahasildar forwarding letter, Status of quarry and scrutiny of Rs. 1000/- vide e-Challan Ref. No. 359F54C894 dated 06.03.2023	
(iv) The EC of Devi River Sand Quarry in village Tirthapada under Kantapada Tahasil of Cuttack dist.was in favour of Tahasildar, Kantapada vide SEIAA letter no./Identification No. 2376/SEIAA dated 03.08.2021	
(v) Present status of quarry- Working.	
(vi) Whether submitted KML file-Yes	
(vii) The project proponent applied proposal for transfer of EC from the name Tahasildar, Kantapada to Sri Sachin Sahoo, (highest bidder/lessee) with attaching Tahasildar forwarding letter vide letter no. 902 dated 03.04.2023.	
(viii) The PP has declared this is violation case and accordingly submitted documents with mentioned that total project cost is Rs. 2,03,54,260/- and turnover Rs. 1,04,86,000/-	
(ix) Any deficiencies/omission have been noticed in the above documents- Nil	
Whether SEAC recommended the proposal – N/A	
<b>Decision Of Authority:</b>	
(i) The authority observed that this is a violation case as the quarry has been operated without transfer of EC in favour of lessee/successful bidder.	
(ii) Based on clarification sought by SEIAA, Odisha on 14.02.2023, the PP has submitted their reply enclosing the certificate of Chartered Accountants stating that the total project cost is <b>Rs. 2,03,54,260/-</b> and the turnover/sale value is <b>Rs. 1,04,86,000/-</b>	
(iii)After detailed discussion, the Authority decided to allow transfer of EC of Devi River Sand Quarry from the name Tahasildar, Kantapada to Sri Sachin Sahoo, (highest bidder/lessee) as per the MoEF & CC, Govt. of India O.M. no. F. No. 22-21/2020-IA.III dated 07:07.2021 regarding Standard Operating Procedure (SOP) for identification and handling of violation cases under EIA Notification 2006 and in accordance with the order of Hon'ble National Green Tribunal.	
(iv)The total penalty amount of the project is of <b>Rs. 2,29758/-</b> i.e. (1% of the total project cost amount of Rs. 2,03,543 /- + 0.25% of the total turnover during the period of violation amounting of Rs.26,215/-) .	



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- (v) The project proponent/lessee has *Suo-moto* declared that this is a violation case as quarry operated without transfer of EC from name Tahasildar Kantapada to successful bidder and the same is confirmed by Tahasildar forwarding vide letter no. 902 dated 03.04.2023.
- (vi) As per the MoEF & CC, Govt. of India O.M. no. F. No. 22-21/2020-IA.III dated 07.07.2021 regarding Standard Operating Procedure (SOP) para no. 12.2 of page no. 08, the percentage rates, shall be halved if the project proponent *suo-moto* report such violations without coming to the knowledge of the Government either on inquiry or complaint.
- (vii) So, the PP has to pay the penalty amount of Rs. **1,14,879/-** to State Pollution Control Board (SPCB), Odisha.
- (viii) Transfer of EC shall be issued on submission of proof regarding the same. No further reference to SEIAA, Odisha meeting is required.

  
Member Secretary, SEIAA

APPROVED BY

  
Member, SEIAA

  
Chairman, SEIAA



## Minutes of 113<sup>th</sup> Meeting of SEIAA, Odisha Held on 03.04.2023 & 04.04.2023

AGENDA NO.113.07	
Proposal No.	SIA/OR/THE/415567/2023
Date of Application	21.02.2023
File No.	415567/THE-01/2023
Project Type	EC
Category	B1
Project/Activity including Schedule No.	1(d) Thermal Power Plants
Name of the Project	Proposal of EC for 2 x 30 MW Independent Power Producers Thermal Power Plant located at Village-Bainchua, Tehsil – Tangi, District-Cuttack by M/s Maadurga Thermal Power Company Limited
Name of the company/Organization	Applicant- M/s Maadurga Thermal Power Company Limited.
Location of Project	at Village-Bainchua, Tehsil – Tangi, District-Cuttack
Name of the Consultant	M/s Grass Roots Research & Creation India (p) Ltd. Noida

### **Proposal in brief :**

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

- (i). This is a proposal of M/s Maa Durga Thermal Power Company Limited for EC of 2 x 30 MW Independent Power Producers Thermal Power Plant located at Village-Bainchua, Tehsil – Tangi, District-Cuttack filed by Sri Animesh Gupta, Authorised Signatory.
- (ii). TOR details: Terms Of Reference has been granted by SEIAA, Odisha for the project on 15th December, 2022 vide F. No-SIA/OR/THE/402003/2022.
- (iii). Earlier, Environment Clearance for the project was obtained by M/s Maa Durga Thermal Power Company Limited, from SEIAA, Odisha Vide Ref No – SEIAA/337, dated: -04.07.2011 for 60 MW (2 x 30 MW) coal base power plant valid upto 03.07.2018.
- (iv). Consent to Establish has been issued vide letter no 184 dated 04.01.2011 and was valid upto 03.01.2016. Latest CTE was also obtained from Odisha State Pollution Control Board vide letter No. 4817 dated 31.03.2017.
- (v). Project details: Company started the construction but due to financial condition they couldn't complete the construction of project. More than 85% work has been completed as per the earlier granted EC and plant is shutdown since 2018. Thereafter, National Company Law Tribunal (NCLT) initiated the public auction for current plant and M/s Radhe Ram Shaw, M/s Virajaa Power & Steels Pvt. Ltd. and M/s United Ferrocast Private Limited were successful bidder of the auction. Successful bidders have acquired M/s Maadurga Thermal Power Company Limited, where the previous Directors have resigned from the company. So they are presently proposing this application under the name of M/s Maadurga Thermal Power Company Limited with new directors.
- (vi). As per LULC the land use within 10 Km. is Settlement-4.72%, Water Bodies - 3.57%, Plantation-55.22%, Vegetation-2.06%, Forest-13.16%, Open Scrub-7.12% and Agriculture Land-14.15%.
- (vii). The proponent has applied afresh for ToRs for EIA study as they were not able to complete the project work as well as had not gone for operation during validity period of Environmental Clearance.
- (viii). During the presentation for ToR, the proponent requested to issue Terms of Reference for EIA Study exempting public hearing as per MoEF&CC, Govt. of India amended EIA Notification vide S.O.1247 (E), dated 18th March 2021 as they have already completed construction work more than

50% during validity period of Environmental Clearance. The proponent had also requested to allow them for use of baseline data collected during March 2022 to May 2022 for EIA study.

(ix). Terms of References was issued vide F. No-SIA/OR/THE/402003/2022, dated 15th December, 2022 for conducting EIA study exempting public hearing as per the provision of MoEF&CC, Govt. of India amended EIA Notification vide S.O.1247 (E), dated 18th March 2021.

(x). Location and connectivity: The project site is located at Village - Bainchua, Tahasil – Tangi, District–Cuttack, State- Orissa. The project site is located at the distance of about 0.23 km towards South-East from NH -16, NH - 55 is at 9.9 km towards WSW direction and SH - 9A is at 9.9 km in SW direction. The nearest village is Bainchua, which is located about 0.4 km towards NE direction. The nearest railway station is Kapilas Road Junction Railway Station which is located at about 3.3 km in SW direction and nearest Air Port is Biju Patnaik International Airport, Bhubaneswar, which is situated at about 41 km in SW direction. The site and study area falls in the survey of India, Topo Sheet No–F45U2. Birupa River is at 3.0 km towards SSE direction and Lake is at 6.3 km towards NW direction from the project boundary. There are no Wildlife sanctuaries & National Park within 15 km radius. Nearest forest is Panchbhya PF is at 2.6 km in NW direction. The location is in Seismic Zone-III.

(xi). Land use: Total land available is 32.13 Acres for the project. This land is sufficient for the setup of the facility for the 2 x 30 MW power plant. 10.60 Acres land has been earmarked for greenbelt as per standard norms, which is 33% of total plot area.

Sl. No.	Description	Area (ac.)
1.	Plant & Machinery	12.32
2.	Ash Pond Area	3.67
3.	Green belt area	10.60
4.	Water Reservoir	2.34
6.	Admin, Parking etc.	3.2
<b>Total</b>		<b>32.13</b>

(xii). Water requirement: Daily fresh water requirement is approx. 760 KL/day for boilers, auxiliary units, domestic use, generator, BFWP and air compressor, cooling, drinking etc. Source of water will be surface water from Birupa river and partial amount will be met through ground water. Permission for surface water has been obtained from Industrial Promotion & Investment Corporation of Odisha Limited (IPICOL) on dated 11.01.203 which is under process to obtain NOC from Department of Water Resources (DoWR) and application for ground water abstraction has been submitted vide application No. 21-4/4709/OR/IND/2023 dated 19.01.2023.

(xiii). Waste water generation: The project will be based on concept of Zero Effluent Discharge. Recycled water to be utilized with sprinkler system for dust suppression and maintaining green belt in the plant.

(xiv). Waste generation: About 80% of the ash shall be generated as Fly Ash while 20% of the ash shall be generated as bottom ash. With average daily coal requirement of 1728 TPD, it is estimated that about 864 MTPD (considering 50% ash) of ash shall be generated daily Fly ash will be directly sold to the nearest cement plants like RAMCO, OCL etc. falls near to plant location. Domestic solid waste will be disposed as per applicable norms.

(xv). ETP/STP: There will be ETP of capacity 800 KLD and STP of capacity 10 KLD against estimated waste water generation of about 760 KLD.

(xvi). Power requirement: Power requirement for the project is 3.0 MW and will be sourced from the Chandikhol Grid. 2 DG sets of 750 KVA will be provided for power backup.

(xvii). Stack Details: Common stack is provided for 2 x 135 TPH boiler. A stack of 92 m is provided for effective dispersion of pollutants into the atmosphere.

(xviii). Traffic study: It is estimated that 50 Nos. of trucks (35 Tons) per day will be required for various industrial activities.





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- (xix). Greenbelt: A greenbelt development plan is implemented along with the implementation of project. After expansion, total green belt & plantation area is 4.29 ha. Number of trees required to be planted is 10725 Nos and number of trees already planted is 1000.
- (xx). Baseline data has already been collected in Pre-Monsoon period i.e. 1st March, 2022 to 31st May 2022.
- (xxi). Summary of Ambient Air Quality:
- Results were compared with the standard for ambient air quality monitoring as per the Ministry of Environment, Forest and Climate Change (MoEF&CC).
  - During the study  $PM_{10}$  was observed in the range of 63.1 to 85.9  $\mu\text{g}/\text{m}^3$ . Maximum concentration of  $PM_{10}$  was found at project site
  - $PM_{2.5}$  was observed in the range of 36.3 to 49.6  $\mu\text{g}/\text{m}^3$ . Maximum concentration of  $PM_{2.5}$  was found at village Bandalo.
  - $SO_2$  concentration was observed in the range of 6.1 to 11.8  $\mu\text{g}/\text{m}^3$ , which is well within the standard limit.
  - $NO_2$  concentration in was observed in the range of 10.4 to 23.8  $\mu\text{g}/\text{m}^3$ , which is well within the standard limit.
  - Monitoring and analysis was also carried out for CO. Result for the CO was found well within the norms and was observed in the range of 230 to 870  $\mu\text{g}/\text{m}^3$ , which is well within the standard limit.
- (xxii). Summary of Noise Quality:
- Noise levels during day time were found to be in the average range of observed values was 46.4 to 72.5 dB (A). The highest noise level was observed as 72.5 dB (A) at Project Site, which is adjacent to Industrial area road and lowest value was observed as 46.4 dB (A) at CHC Tangi hospital, Tangi Town.
  - Noise levels were observed in the range 33.9 to 62.3 dB (A) during the night time. The highest noise level was observed as 62.3 dB (A) at Project site and lowest value was observed as 33.9 dB (A) at CHC Tangi hospital, Tangi Town.
- (xxiii). Summary of Ground Water Quality:
- The ground water sampling was carried out at 8 locations. Ground water analysis was carried out during the study period in the month of May 2022. The results were compared with the Drinking water specification IS 10500: 2012 (Reaffirmed 2018) and it is summarized as under: The pH value of water samples varies from 7.38 to 7.55, indicating slightly neutral in nature. Total dissolved solid was recorded in the range of 395 to 490 mg/L with minimum at Village Bainchua and maximum at Village Amiyajhari. Total hardness was in the range of 195 to 226 mg/L. Total Alkalinity was found in the range of 178 to 200 mg/L. Chloride was found in the range of 56 to 122 mg/L. Heavy metals were analyzed and found within the desirable limits of standard. Microbiological parameters (Total coliforms and E. coli) were also carried out and it was found that no organism was detected in any 100 ml of samples. It means that no contamination was observed in ground water samples.
- (xxiv). Summary of Surface Water Quality:
- The surface water sampling was carried out at 8 locations. Surface water analysis was carried out during the study period in the month of May 2022. Data computations for 8 sampling locations were carried out and summarized as under: pH value of the samples was recorded in the range of 7.30 to 8.10, indicating slightly alkaline in nature. Total dissolved solids was recorded in the range of 160 to 450 mg/L. DO measured during site analysis and found in the range of 4.2 to 6.6 mg/L. COD & BOD analysis were also carried out and it was found in the range of 8.9 to 28.1 mg/L and 2.3 to 12.4 mg/L respectively. Heavy metals are below within the desirable limit of all sampling locations. Microbiological analysis was carried out and Positive results were found for Total coliforms and faecal coliforms. The Coliforms recorded in the range of 190 to 730



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MPN/100ml. The presence of coliform organisms indicates towards the degree of microbial contamination in surface water body.

(xxv). **Summary of Soil Quality:**

The soil sampling was carried out at 05 locations. Data computations for 05 sampling locations were carried out and summarized as under: based on particle sizes distribution and texture, the soils are mostly sandy loam category. The pH value of the soil suspension varied from 7.26 to 7.89. In terms of soil pH the characteristic of the soil is moderate pH and weak alkaline in nature. The Electrical conductivity varied from 213 to 317  $\mu\text{S}/\text{cm}$ . The sodium absorption ratio of soil varied from 0.52 to 0.64. The Cation exchange capacity varied from 13.8 to 14.7 meq/100 gm. The loss on ignition in terms of organic matter varied from 0.79 to 0.89 %, it indicates that soils are moderate in organic carbon status. Soil maintained the optimal desired organic substances. The major nutrient such as Nitrogen, Phosphorus and Potassium level were varied from 145.4 kg/ha to 189.0 kg/ha., 12.5 to 18.1 kg/ha and 299.5 to 358.0 kg/ha respectively

(xxvi). **Manpower:** During operation phase, 70 persons will be direct employment in different area. About 100 persons will be indirect employment.

(xxvii). **Project cost:** The overall estimated cost of project is 588.99 Cr. The capital cost for environmental management is estimated to be Rs.17.88 Cr and Rs. 4.25Cr per year will be annual recurring expenses. Total CER cost is 5.88 Cr (1% of Project Cost).

(xxviii). The Environment consultant M/s Grass Roots Research & Creation India (p) Ltd. Noida, UP along with the proponent made a presentation on the proposal before the Committee on 17.02.2023.

(xxix). Any deficiencies/omission have been noticed in the above documents- Nil

**Whether SEAC recommended the proposal** – Yes, in its meeting held on 17.02.2023, the SEAC recommended for grant of Environmental Clearance valid for 10 years with stipulated conditions in addition to the following specific conditions:

- i) The proponent shall convert the land for industrial use purpose.
- ii) The Wildlife Conservation Plan shall be prepared at the cost of user agency and vetted by the Chief Wildlife Warden for protection of Schedule-I species present in the study area if any. The progress of its implementation shall be submitted.
- iii) The proponent shall use surface water sourced from Birupa river after obtaining permission from concerned authority.
- iv) The proponent shall adopt Zero Liquid Discharge (ZLD) concept as proposed.
- v) The proponent shall explore the possibilities for use of Biomass for power generation.

**Decision of Authority:** The Authority deliberated on the matter and observed the following:

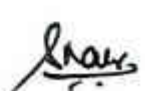
1. The expenditure incurred 240.97crores (as mentioned in CTE order No.4817/IND-II-NOC-5324 dated 31.03.2017) which is not 50% of the total project cost of Rs. 588.90 crores as per MoEF & CC, GoI Notification S.O.1247(E) dated 18.03.2021 criteria.
2. The issues raised in public hearing is not addressed by the present PP in the EIA/EMP report.
3. The coal linkage & 100% fly ash utilization plan is not in accordance with MoEF & CC guidelines/circulars issued.
4. As per the IRO certified compliance report on 23.01.2023, there is a number of non-compliance of the previous EC conditions.
5. Revised water balance chart and correction of STP/ETP-300 KLD.

The Authority decided to defer the proposal and ask the PP to clarify the above points.

  
Member Secretary, SEIAA

APPROVED BY

  
Member, SEIAA

  
Chairman, SEIAA



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AGENDA NO.113.08	
Proposal No.	SIA/OR/MIN/79164/2020
Date of Application	26.08.2022
File No.	79164/96-MINB1/08-2022
Project Type	EC
Category	B1
Project/Activity including Schedule No.	1(a)-Mining of Minerals
Name of the Project	Proposal for EC for Kamarda Chromite Block (ML Area: 107.240 Ha) For Production Of 0.30 MTPA Chromite Ore (ROM) With Maximum Excavation Of 2.50 Million Cum Per Annum Through Opencast Mining At Village: Talangi, Kamarda & Balipada Tehsil- Sukinda, Jajpur District
Name of the company/Organization	Applicant: Tata Steel Mining Limited; Sri.Pankaj Kumar,MD
Location of Project	At Village: Talangi, Kamarda & Balipada Tehsil- Sukinda, District -Jajpur
Name of the Consultant	M/s Visiontek Consultancy Services Pvt. Ltd, Bhubaneswar

### **Proposal in brief:**

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

- (i). This is a proposal of M/s.Tata Steel Mining Limited for Environment Clearance of Kamarda Chromite Block (ML Area: 107.240 Ha) for Production of 0.30 MTPA Chromite Ore (ROM) with Maximum Excavation of 2.50 Million Cum Per Annum Through Opencast Mining located at Village - Talangi, Kamarda&Balipada Tahasil - Sukinda, District Jajpur filed by Sri.Pankaj Kumar,MD
- (ii). The Kamarda Chromite Block Mining lease comprising of 107.24 Hectare area was originally granted and executed in favour of Sri B. C. Mohanty for a period of 20 years with effect from 22.02.1968. Subsequently, the lease was transferred in favour of M/s. B. C. Mohanty & Sons (P) Ltd on 05.05.1981. The tenure of the lease expired on 22.02.1988 and the lessee got the first renewal of lease for a further period of 20 years up to 22.02.2008. The lessee filed application for second renewal of the ML for a further term of 20-year w. e. f. 22.02.2008 on 13.02.2007, one year prior to expiry of the mining lease, over the entire area. The renewal application was processed by Government of Odisha as per section 8(A) (6) of MM(D&R) Amendment Act,2015 and the mining lease period was extended up to 31.03.2020 vide supplementary lease deed dt. 06.10.2015.
- (iii). The e-auction process was conducted in accordance with the tender document for the Kamarda Chromite Block and M/s Tata Steel Mining Limited (Formerly known as M/s T.S. Alloys Limited).
- (iv). Clearances held by Sri B C Mohanty has been vested to M/s Tata Steel Mining Limited as per Vesting Order issued vide Letter No 4129/SM dated 28th May 2020. The PP have also submitted that the Government of Odisha pursuant to the Mines & Minerals (Development & Regulation) Act 1957 and the Mineral (Auction) Rules 2015, conducted auction for grant of lease for Kamarda Chromite Block located in Jajpur district of Odisha. The Lessee Company M/s T S Alloys Limited was emerged as successful bidder in the e-auction process. Letter of Intent (LOI) for grant of mining lease of Kamarda Chromite Block in Jajpur District over 107.240 Ha Area in



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favour of the Company for a period of 50 years was issued by the State Government vide Letter No 9012/SM dated 18.11.2019 read with letter No. 9095/SM dated 20.11.2019. Subsequently, in terms of section 8B(2) of MMDR Act, 1957 read with rule 9A(4) of MCR, 2016, the bidder is deemed to have acquired all valid rights, approvals, clearances, licenses and the like vested with the previous lessee for a period of two years from the date of execution of the lease deed or till the date of getting fresh approvals, clearances, licenses, permits and the like whichever is earlier as per Vesting Order issued vide Letter No 4129/SM dated 28.05.2020.

- (v). Mining Plan has been approved by IBM, Bhubaneswar dated 25.09.2018. Mining Plan of TSML was approved on 28.09.2020.
- (vi). Consent to Establish has been obtained from SPCB, Odisha on dated 31.03.2020 & Consent to Operate from SPCB, Odisha on dated 31.03.2021.
- (vii). Surface right from District Collector, Jajpur over 108.92 Ha. has been obtained.
- (viii). Ground water drawl permission has been obtained from CGWA, (GoI) dated 16.07.201 & fresh applied vide Application Number: 21-4/4185/OR/MIN/2022 on 31.08.2022.
- (ix). Earlier, Environmental Clearance has been obtained from MoEF&CC, Govt. of India on dated 08.05.2008 for production of 0.088 MTPA Chromite Ore and 0.036 MTPA Chrome Concentrate production.
- (x). Forest Diversion has been obtained from MoEF&CC, Govt. of India, dated 28.03.2008 over an area of 87.44 Ha of entire forest land involved. The previous lessee has paid Rs.7,89,68,200 towards NPV (Net Present Value) for the total forest area of 105.78 Ha. Tata Steel Mining Limited has also paid the NPV of Rs.7,93,35,000/- over entire forest land of 105.78 Ha.
- (xi). The Kamarda Chromite Block is located in three villages namely Village- Talangi, Kamarda & Balipada, Tehsil- Sukinda, District- Jajpur, Odisha over an area of 107.240 ha in which 101.850 ha land is forest land and rest 5.390 ha land is non forest land as per HAL Settlement and 105.780 Ha is Forest Land and 1.460 Ha is non forest land as per Sabik Settlement. PP has submitted that online application for obtaining fresh Forest Clearance over entire forest land of 105.780 ha(includes 18.34ha forest land) vide proposal no. FP/OR/MIN/51780/2020 dated 22.10.2020 has been submitted.
- (xii). PP has further submitted that there are no wild life sanctuaries, national parks, elephant/tiger reserves within 10 km of the notified mine lease area.
- (xiii). Deep hole blasting & use of HEMM permission has been obtained from DGMS, (GoI) dated 04.01.2019 (TSML has also obtained the fresh 106 (2) (B) on 25.08.2021)
- (xiv). The Company is also pursuing at State Level for diversion of Tomka- Mangalpur State Highway which is presently passing through the lease so that mine can be expanded and ore from greater depth can be mined. The proponent has applied for state road diversion passed through mining lease.
- (xv). The MOEF &CC, Govt. of India had issued the Terms of Reference for the Project vide letter no. F. No. J1 1015/56/2021-IA.II Dated 5th February, 2021. Public hearing for the proposal was conducted on 22.12.2021 at 2.00PM.
- (xvi). Location and Connectivity - The Kamarda Chromite Block is located in three villages – Tailangi, Kamarda & Balipada, Tehsil- Sukinda, District- Jajpur, Odisha over an area of 107.240 ha in which 101.850 ha land is forest land and rest 5.390 ha land is non forest land as per HAL Settlement and 105.780 Ha is Forest Land and 1.460 Ha is non forest land as per Sabik Settlement. The Kamarda Chromite Block is spread over an area of 107.240 Ha, and it falls in Survey of India Topo Sheet/Open Series Map No. F45N16 (73G/16). The lease area represents undulating topography marked by linearly disposed mounds of low relief. The area is bounded by latitude 21°03'06.11316" - 21°03'50.88708" and longitude 85°49'22.45836" - 85°50'11.31576" and covered by survey of India Toposheet no 73 G/16. The maximum elevation of the area is 180 m RL on the southern side while the minimum elevation is 160 m RL on the western portion of the area. The gradient of the area is 150. The mine is well connected by NH-

200, which is about 11 km in S. Nearest Railway Station is Daitari Railway Station which is about 9.50 km, in NE direction. Biju Patnaik International Airport, Bhubaneswar is about 140 km in SE direction from the project site.

- (xvii). Mining plan details: The method of mining will be open cast fully mechanized mining. Fully mechanized Opencast mining is proposed to be carried out during the plan period. The operations like digging, excavation and removal of ore will be done with the help of heavy earth moving machineries. Keeping in view the production of 0.3 Million Ton of Chromite ore (ROM) per annum, life of the mine will be about 8 1/2 years. Life of the mine may be increase after future exploration and Slope Steepening.
- (xviii). Water Requirement: About 330 KLD water will be required for dust suppression, plantation, wheel wash, drinking & domestic activities, etc. Mine pit water will be used for dust suppression and plantation activities. Ground water from borewell will be used for drinking and domestic use. The PP has also submitted that ETP has been installed in the mine lease area. Further on Central Effluent Treatment Plant (CETP) of capacity 1200 KL/ Hr is planned to be installed to cater requirement of both Saruabil & Kamarda Mine.
- (xix). Waste Water Treatment in ETP: The water will be treated with Ferrous Sulphate or Sodium bisulphate. Hexavalent chromium is reduced to trivalent chromium by dosing Ferrous Sulphate. Sulphuric acid will be used to bring down the pH between 3 to 4. Chromium is precipitated as chromium hydroxide by dosing with alkali (NaOH). Chromium hydroxide is then separated in a Clariflocculator. The flocculant system will be enhanced by dosing with polyelectrolyte. This water is treated in the filtration system (sand bed) and Iron exchange removal. The chromium hydroxide precipitate will be disposed off to an authorised Treatment, Storage and Disposal facility (TSDF). The treated water will be discharged into Damsal Nala. Further the PP has submitted that organic manure will be used in excess (vermi-compost/cow dung) and grass propagules and creepers will be planted along with trees/shrubs. This will reduce the Cr (VI) to Cr (III) and it will prevent leaching into surface water and ground water. Garland drains constructed along dumps and mine pit shall route the water to settling ponds.
- (xx). Power Requirement: The use of electricity will be for lighting/illumination purpose in mining operations and will be obtained from TPCODL. A total of 450 KVA will be required.
- (xxi). Manpower Requirement: A total of about 440 persons will be required to carry out the opencast mining operation.
- (xxii). Rehabilitation & Resettlement: Rehabilitation & resettlement plan for 68 housing projects have been proposed in the SIA report. Total cost of R&R is proposed to be Rs. 0.77 Crores.
- (xxiii). Baseline details:

Period	October – December 2020
AAQ Parameter at 8 locations	PM <sub>10</sub> = 29 to 64.1 µg/m <sup>3</sup> PM <sub>2.5</sub> = 17 to 38.5 µg/m <sup>3</sup> SO <sub>2</sub> = <4 to 8.1 µg/m <sup>3</sup> NO <sub>x</sub> = <9 to 13.6 µg/m <sup>3</sup>
Noise quality at 8 locations	Ambient noise ranges from 36.7 dBA to 60.4 dBA
Surface water at 8 locations	pH ranges from 7.21 to 7.84, DO ranges from 4.4 to 6.3 mg/l, COD ranges from 6.0 to 20 mg/l
Ground water at 8 locations	pH ranges from 5.06 to 7.78, total hardness varies from 14 to 180 mg/l, chloride ranges from 3.8 to 38 mg/l, TDS ranges from 20 to 316 mg/l

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Soil at 12 locations

pH ranges from 7.03 to 7.24, SAR ranges from 2.6 to 4.4 %, clay percent ranges from 59.8 to 73, all the metals are below detectable level

- (xxiv). The cost of the project has been estimated to be Rs. 83.50 Crore. EMP cost-9.39crores as capital cost & 1.49crores as recurring cost. CER Budget-132.35 lakhs allocated which will be spent within three years.
- (xxv). The project proponent along with the consultant M/s Visiontek Consultancy Services Pvt. Ltd., Bhubaneswar made a detailed presentation on the proposal on 02.11.2022.
- (xxvi). Any deficiencies/omission have been noticed in the above documents- The PP has submitted FC proposal vide proposal no. FP/OR/MIN/51780/2020 dated 22.10.2020 for the fresh forest area and has stated that 18.34 ha area will remain undisturbed.

**Whether SEAC recommended the proposal** – Yes, in its meeting held on 20.02.2023, the SEAC recommended for grant of Environmental Clearance with stipulated conditions and following specific conditions.

- (i) The proponent shall not carry out any activity including mining in non-diverted Forest area of 18.34 ha. till they obtained Forest Clearance. The proponent shall strictly follow the procedure laid down in guidelines for diversion of forest land issued by MoEF&CC, Govt of India vide F. No. 11-599/2014-FC, dated 01.04.2015 (copy enclosed as Annexure - B).
- (ii) The mine shall take adequate measures to minimize the discharge of waste water to Damsala nallah.
- (iii) The project proponent shall monitor analysis of hexavalent chromium in nearby soil and water body periodically and follow mitigation measures if necessary.
- (iv) All the compliances submitted/ committed by PP (s) shall be strictly adhered to by them.

**Decision of Authority:**

The Authority observed that the EC application for the expansion project involves 105.780Ha forest land while FC has been obtained for only 87.44Ha. The Authority decided that the PP is required to submit the stage-I FC for the balance forest area of 18.34Ha.

  
Member Secretary, SEIAA

**APPROVED BY**

  
Member, SEIAA

  
Chairman, SEIAA

AGENDA NO.113.09	
Proposal No.	SIA/OR/IND/285087/2022
Date of Application	25.08.2022
File No.	285087/33-IND/08-2022
Project Type	EC
Category	B1
Project/Activity including Schedule No.	2(b) Mineral beneficiation
Name of the Project	Proposal for EC for Chrome Ore Beneficiation unit of throughput capacity 18,500 TPA over an area of 2.54 acre at village- Byree, PO- Byree, Dist- Jajpur
Name of the company/Organization	Applicant: M/s A3 Minerals and Export Pvt Ltd; Sri Akshaya Kumar Samal, Director
Location of Project	at village- Byree, Po- Byree, Dist- Jajpur
Name of the Consultant	M/s Kalyani Laboratories Pvt. Ltd., Bhubaneswar

**Proposal in brief:**

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

- (i) This proposal is for Environment Clearance of M/s A-3 Minerals & Metal Exports Pvt. Ltd for Chrome Ore Beneficiation unit of throughput capacity 18,500 TPA over an area of 2.54 acre at village- Byree, Po- Byree, Dist- Jajpur filed by Sri Akshaya Kumar Samal.
- (ii) The project is coming under category 'B2' as the throughput capacity of the beneficiation plant is 18500 TPA (<20,000 TPA) as per MOEF&CC, Govt. of India OM vide no. J/13012/12/2013-IA-II(I), dated 24.12.2013.
- (iii) M/s A3 Minerals and Metal Export Pvt Ltd proposes for establishment of Chrome ore Beneficiation plant over an area of 2.545 Acres with throughput capacity of 18,500 TPA within the existing Chrome monolithic unit. The promoter of the project is M/s A3 Minerals and Export Pvt Ltd, and Proprietor of the project is Sri. Akshaya Kumar Samal.
- (iv) The existing chrome monolithic unit obtained consent to establish vide letter no. 1198/IND-41 on dated 10.07.2020.
- (v) The existing Chrome monolithic unit was operating under the ownership of M/s R.C. Metals Industries. The consent to operate was transferred in the name of M/s A3 Minerals on 23.10.2019 for production of 625 TPM monolithics and other refractories.
- (vi) Further M/s R.C Metal Industries obtained consent to operate for production of 30 TPM chrome concentrate which was also transferred in the name of M/s A3 Mineral.
- (vii) Location and Connectivity - The project is located at Byre village over an area of 2.545 Acres in Plot No- 4149/4683, 4146, 4157/4872, 4156/4871, 4152, 4158, 4149 and 4159 bearing Khata No: 1268/439, 1268/433, 1268/432, 1268/432, 1268/431, 1268/436, 1268/437, 1268/438. The project can be identified in Survey of India Toposheet No.: F45 T14/ F45U2, Latitude: 20°38'25.0" N; Longitude: 20°38'25.0" N. The mining lease area is also accessible NH-5 through KalkalaChatia road which pass near the project site. Bairi railway station is nearest at a distance of 1.2 km from the M.L. area. Nearest airport is Biju Pattnaik Bhubaneswar Airport 50 Kms from project site. Nearest river/Jor is Bansi Jor at 2.5km, Mendhakhai river at 8 km & Birupa River at 10 km and. Nearest town is Chatia at 5 km. Nearest forest Dalijoda Reserve forest at 0.3km. Nearest habitation is within 3km from project site. Kapilash wild life sanctuary – 11km. There is no wild life sanctuary, corridor, National Park, biosphere reserve located within 10 Km buffer zone of the project site



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- (viii) The Terms of Reference (TOR) was issued by SEIAA, Odisha vide no. 4181/ SEIAA, dated 03.03.2022. Public Hearing was exempted as project comes under B2 category with throughput <20,000TPA as per MOEF&CC, Govt. of India OM No. J/13012/12/2013-IA-II(I), dated 24.12.2013.
- (ix) Baseline study was conducted from October – December 2020.
- (x) The raw material i.e. low grade chrome ore will be sourced from mines of Odisha Mining Corporation, Sukinda which is located at a distance of 35Km from the project site. The transportation of ore from the mines to the project site will be done through covered trucks.
- (xi) **Process** - The beneficiation process of chrome ore involves up-gradation of low grade chrome ore (<40% Cr<sub>2</sub>O<sub>3</sub>) to semi high grade ore (50-65% of Cr<sub>2</sub>O<sub>3</sub>). The beneficiation process of chrome ore include dispersal of the ferruginous coating and removal of the gangue material from the ore. Before the low grade feed to the beneficiation plant the chromites ore lumps were screened and oversized material i.e -20 to 100 mm size material will sent to the grinding unit.
- (xii) **Solid waste generation** - The major solid waste will be the tailings generated from the beneficiation process. The quantity of tailings to be 4700 TPA having <10% Cr<sub>2</sub>O<sub>3</sub>. The tailings will be collected and dried through a filter press. Further, the tailing will be stored in the tailing dump. After drying the tailing will be blended in the chrome refractory mortar as per the demand of the customer. An area has been demarcated for storage of tailing within the plant premises.
- (xiii) **Water Requirement** - Total water requirement for the proposed project will be 150 KLD and make up water requirement will be 10 KLD. Makeup water requirement will be sourced from borewell and rain water harvesting pond. The plant has obtained permission from CGWA for with drawl of 20 KLD ground water.
- (xiv) **Rain water harvesting system** - Two rain water **harvesting** pond will be constructed within the plant premises over an area of 2165 Sq.m. with a depth of 4 m. The rain water harvesting pond is connected to surface water drains and collect all the surface runoff from the project site. Water storage capacity of RWH pond = 8660 Cu.m.
- (xv) The plant will operate with Zero Liquid Discharge (ZLD) technology as the entire process water will be recirculated after treatment through ETP.
- (xvi) **Power Requirement:** The total power requirement is estimated as 100KVA. It is proposed to draw the power from the NESCO.
- (xvii) **Manpower:** The project generates employment opportunities for 12 personnel which includes operator -2, supervisor 2, 4 no of semi-skilled labor and 4 no. of unskilled labour.
- (xviii) The project proponent submitted that no R&R plan is required as no displacement of people is proposed for the expansion of the project.
- (xix) **Green Belt** - There is plantation of 200 trees within the plant boundary and with the EC proposal there is the planning for three tier plantations along the boundary along with open space plantation. An area of 3400 Sq.m has been allocated for green belt development with about 600 saplings plantation proposal as mentioned in table.
- |                                          |         |
|------------------------------------------|---------|
| (a)Total Area of Green Belt (in hectare) | 0.33994 |
| (b)Percentage of Total Project Area      | 33.00   |
| (c)No. of Plants to be Planted           | 3400    |
| (d)Funds Allocated for Plantation        | 200000  |
- (xx) The cost of the project has been estimated to be Rs. 175.00 Lakhs. For implementation for EMP for the project the allocated capital budget will be Rs.32 lakhs and recurring budget will be Rs.5 lakhs.
- (xxi) As per the social need assessment and suggestion of village committee a CSR plan has been prepared with a proposed cost estimate of Rs.9.5 Lakhs which will be utilized within a period of 3 years.
- (xxii) The project proponent along with the consultant M/s Kalyani Laboratories Pvt. Ltd., Bhubaneswar made a detailed presentation on the proposal on 02.11.2022 for consideration of EC.





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- (xxiii) The PP submitted ADS to SEAC on 26.12.2022.
- (xxiv) Any deficiencies/omission have been noticed in the above documents- Nil

**Whether SEAC recommended the proposal** – Yes, in its meeting held on 20.02.2023, the SEAC recommended for grant of Environmental Clearance with stipulated conditions and following specific conditions.

- (i) The waste water that will be generated from the tailings shall be treated in ETP wherein hexavalent Chromium shall be reduced to trivalent Chromium by dosing it with appropriate standard chemical following due technical procedure.
- (ii) The PP shall obtain NOC to use the Panchayat roads from the concerned BDO for transportation of both input materials and finished products including the responsibility of maintaining the road if damaged by such transportation.

**Decision of Authority:**

After detailed deliberations, the Authority decided to **grant Environmental Clearance** with specific conditions and standard conditions as recommended by SEAC.

**APPROVED BY**

  
**Member Secretary, SEIAA**

  
**Member, SEIAA**

  
**Chairman, SEIAA**



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AGENDA NO.113.10	
Proposal No.	SIA/OR/MIN/405308/2022
Date of Application	25.11.2022
File No.	405308/98-MINB1/11-2022
Project Type	EC
Category	B1
Project/Activity including Schedule No.	1(a)-Mining of Minerals
Name of the Project	Proposal for EC for Enhancement in Production of Iron Ore from 3,00,300 (0.3 million) TPA to 7,00,005 (0.7 million) TPA ROM with total excavation of 1.024 million TPA (ROM of 0.7 million TPA + 0.324 million TPA waste), Setting up two mobile Crushing of 150 TPH capacity each and two mobile Screening units of 250 TPH capacity each in Adaghat Iron Ore Mines over an area of 15.074 ha. Of M/s National Enterprises in Village- Adaghat under Block & Tehsil: Koida, Subdivision- Bonai in District: Sundargarh
Name of the company/Organization	Applicant: M/s National Enterprises; Sri.Charanjit Singh Grewal; Proprietor
Location of Project	In Village- Adaghat under Block & Tehsil: Koida, Subdivision- Bonai in District: Sundargarh
Name of the Consultant	M/s Centre for Envotech and Management Consultancy Pvt. Ltd., Bhubaneswar

### **Proposal in brief:**

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

- (i) This proposal is for environmental clearance for enhancement in production of Iron ore from 3,00,300 (0.3 million) TPA to 7,00,005 (0.7 million) TPA ROM with total excavation of 1.024 million TPA (ROM of 0.7 million TPA + 0.324 million TPA waste), setting up two mobile crushing of 150 TPH capacity each and two mobile screening units of 250 TPH capacity each in Adaghat Iron ore mines over an area of 15.074 Ha. Of M/s National Enterprises in village- Adaghat under Block & Tahasil: Koida, Subdivision- Bonai in District: Sundargarh of Sri Charanjit Singh Grewal.
- (ii) Mining lease for iron ore was granted in favour of M/s National Enterprises for 20 years vide letter no. 12730/SM dated 20.10.2000 of Dept. of Steel & Mines, Govt. of Odisha. Later as per MMDR Amendment Act, 2015, the lease deed was executed for entire lease area over 15.074 ha. On 11.01.2017 for a period of 50years from the date of execution.
- (iii) Modified mining plan was approved by Regional Controller of Mines, Indian Bureau of Mines vide letter no- MPM/OTF-MECH/14-ORI/BHU/2010-11, dated 27-09-2010.
- (iv) The Review of Mining Plan along with Progressive Mine Closure Plan has been approved for the period 2021-22 to 2025-26 by the same authority vide letter no- RMP/A/22- ORI/BHU/2020-21, dated 09-11-2020.
- (v) The entire Mining Lease area of 15.074 ha. Is in DLC forest land. Stage -II clearance for the forest land involved in the lease area has been issued by the Eastern Regional Office, Bhubaneswar of

- the MoEF& CC vide letter no. 5-ORC256/2015-BHU, dt. 05.08.2019 for 15.074 ha. Forest land, including safety zone of 1.40 ha.
- (vi) Certificate under Forest Right Act has been issued by the Collector, Sundargarh for the forest land of 15.074 ha. In two phases.
- (vii) As per the report of the DFO, Bonai Forest Division, there is no violation under FC Act, 1980.
- (viii) Due to presence of Indian Elephant & Sloth Bear (Schedule- I species), Site Specific Conservation Plan has been prepared with a budgetary provision of Rs 290.40 lakhs; which has been approved by the PCCF (Wildlife) vide Memo no. 4763/1WLISSP-348/2012, dt 12<sup>th</sup> May, 2014.
- (ix) Adaghat Iron Ore Mines has Environmental Clearance from SEIAA, Odisha vide letter no. 7695/SEIAA, dated 24.12.2019 for production of 3,00,300 (0.3 million) TPA of iron ore.
- (x) Consent to Operate has been issued by SPCB, Odisha for the same quantity vide letter no. no. 4943/IND-I-CON-6689, dated 29.03.2022, valid upto 31.03.2023.
- (xi) Certified report on previous EC conditions was obtained from MoEF&CC, IRO, Bhubaneswar vide file no. 1083/22/EPE, dt 07.10.2022.
- (xii) The present lessee has started the mining operation within the lease area for production of iron ore with effect from 04.01.2020. Now, the lessee has planned to enhance the produce of iron ore to maximum ROM of 7,00,005 (0.7 million) TPA (5,47,830 TPA of +55% grade iron ore and 1,52,175 TPA of +45 to +55% grade iron ore) with total excavation of 10,24,625 (1.024 million) TPA (ROM of 7,00,005 TPA + 3,24,620 TPA of waste) and setting up two mobile Crushers of 150 TPH capacity each & two mobile Screening Plants of 250 TPH Capacity each within the lease area.
- (xiii) **Location and connectivity:** The project is coming under village Adaghat of Bonai Sub-division in Sundargarh District and is at a distance of 8km from Koida town. The ML area is covered under the SOI toposheet No. 73 G/5 and the geo coordinates are Latitude- 21<sup>o</sup> 55' 25.22002" N to 21<sup>o</sup> 55' 43.04502" N and Longitude – 85<sup>o</sup> 19' 07.43920" E to 85<sup>o</sup> 19' 48.30132" E. The project site is at a distance of 290km from Bhubaneswar; 28 km from Barbil railway station, 36km from Barsuan railway siding and 11km from Jaroli railway station & siding on Daitari-Bansapani line. Nearest airport is Veer Surendra Sai Airport, Jharsuguda at 180km away.
- (xiv) Drainage system of the area is dendrite type. The SunaNadi is a tributary of Baitarani River which controls the drainages system of the area and flows due north in the region and then east to meet the Bay of Bengal. Apart from Suna /Kundra river, other major river /nala are Teherai nala (in South direction, 3km away), Kakarpani nala (in East direction, 4km away) and Karo river (in NW direction, 7.8km away).
- (xv) There is no human settlement within the ML area. The area does not have any monuments of historical or archeological importance, pilgrimage, any place of tourist interest, national park, bird or wild life sanctuary.
- (xvi) The Geological Reserve within the lease area is re-estimated to be 4.188 million tons whereas the Mineable Reserve is 3.949 million tons and production of mines as per given table:

Production Year	Total Excavation in MT	ROM in MT	Saleable Ore in MT	Mineral Rejects in MT	Intercalated Waste in cum
1 <sup>st</sup> Year (2021-22)	4,39,603	3,00,323	2,35,035	65,288	69,640 (1,39,280 MT)
2 <sup>nd</sup> Year (2022-23)	4,59,298	3,13,778	2,45,565	68,216	72,760 (1,45,520 MT)
3 <sup>rd</sup> Year (2023-24)	6,12,060	4,18,140	3,27,240	90,900	96,960 (1,93,920 MT)
4 <sup>th</sup> Year (2024-25)	7,87,840	5,38,200	4,21,200	1,17,000	1,24,800 (2,49,640 MT)



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5 <sup>th</sup> Year (2024-25)	10,24,645	7,00,005	5,47,830	1,52,175	1,62,320 (3,24,640 MT)
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(xvii) Mining Process: Open cast mechanized method of mining on single shift basis is proposed to excavate iron ore to gradually achieve the production target. Drilling and blasting will be adopted for loosening of hard rock mass by rock drill. Ore to waste ratio is 1: 1.5 (both in cum).

(xviii) Topography: Applied mining lease area is mainly dominated by the hill slopes and belongs to a part of a NW-SE trending hill. North-eastern part of applied area is comparatively flat than south-western part. The altitude of the highest part of the area is 635m RL while that of the lowest part is 560m RL. The elevation difference is 75m. Forest growth is observed to be sparse in the places of in-situ iron ore exposures and dense on the float ores. A part of the area around float quarry and mine road is free from forest growth.

(xix) Green belt: During the conceptual period, 18280 nos. of plants will be planted on the backfilled area of 11.424 ha., which includes 2240 plantation as bench plantation over exhausted benches of 1.4 ha. Apart from it, 1.4 ha. Of the conceptual dump area will be terraced & plantation will be developed on each terrace; 0.25 ha. Of mineral separation area will also be covered under plantation.

(xx) Water requirement: The maximum water requirement in the project will be 30 KLD; which will be drawn from Suna River with required permission. Out of the 30 KLD water, 2 KLD will be used for drinking and washing purposes, 25 KLD for dust suppression in haul road, screening & crushing area and 3 KLD will be consumed by plantation.

(xxi) Power requirement: The supply of electrical energy for the mine site shall be received from CESCO. The approximate maximum power requirement for the mining complex (including office) shall be 500KVA.

(xxii) Public Consultation: Public Hearing for Enhancement in Production from Adaghat Iron Ore Mines was conducted on 21.12.2021 at 11.00 A.M. in the open ground, near Hanuman Temple in Adaghat village in accordance with the MoEF, Govt. of India, EIA Notification No.SO-155 3E dt.14.09.2006. As per the demands, the project proponent has committed to take dust control measures, undertake plantation, give priority to local employment, to make concrete village road, provide bore well for drinking water, electrification of village road, etc. Rs 16 lakhs will be spent under CER for various socio-economic activities, whereas Rs 5 lakhs will be spent annually towards regular maintenance & recurring activities.

(xxiii) Baseline study of the study area was conducted during Summer season (March 2021 to May 2021). Following results were obtained:

- Ambient Air Quality Monitoring made in 8 locations & results shows the values of PM<sub>10</sub> – 60.8 µg/m<sup>3</sup> – 81.3 µg/m<sup>3</sup>, PM<sub>2.5</sub> – 31.9µg/m<sup>3</sup> – 42.5µg/m<sup>3</sup>, SO<sub>2</sub> – 5.8µg/m<sup>3</sup> – 12.9µg/m<sup>3</sup>, Nox – 10.4 µg/m<sup>3</sup> -18.8µg/m<sup>3</sup>.
- Noise Quality ranges from 40.2 dB(A) – 71.5 dB(A) during day time and 35.6 dB(A) – 42.3 dB(A) during night time.
- Surface water quality monitored in 5 locations and pH range from 7.21 to 7.94., total dissolved solids – 144.8mg/L to 171.6 mg/L, Iron content ranges from 0.32 mg/L to 0.42 mg/L, Chloride content ranges from 31.9 mg/L to 34.9 mg/L, sulphate content ranges from 6.4 mg/L to 8.6 mg/L, BOD content ranges from 2.8 mg/L to <2.0 mg/L, Fluoride content ranges from 0.12 mg/L to 0.21 mg/L, Nitrate content ranges from 2.9 mg/L to 5.2 mg/L. Total coliforms ranges from 270 MPN/100ML to 1600 MPN/100ML. All other parameters were also found to be within the permissible limits.
- Ground water quality monitored in 5 locations and pH ranges from 6.72 to 7.22., total dissolved solids ranges from 248mg/L to 294 mg/L, total Hardness as CaCO<sub>3</sub> ranges from 130 mg/L to 152 mg/L, total alkalinity ranges from 106 mg/L to 132 mg/L .Iron content ranges from 0.23mg/L to 0.26 mg/L, Chloride content ranges from 31 mg/L to 41 mg/L,

sulphate content ranges from 21.7 mg/L to 29.1 mg/L, Fluoride content ranges from 0.11 mg/L to 0.27 mg/L, Nitrate content ranges from 2.1 mg/L to 4.1 mg/L. Magnesium content ranges from 10.21 mg/L to 13.12 mg/L. All other parameters were also found to be within the permissible limits.

- Soil quality measured in 5 locations and color of soil found to be reddish brown, texture of soil is sandy loamy, moisture content ranges from 5.4% to 8.2%, pH ranges from 5.84 to 6.31, Available Organic carbon (%) – 1.11 to 1.62 etc.

(xxiv) Land Use/ Land cover – The land utilization plan as per the table:

Type of land use	Existing Land use (in ha.)	At the end of Plan Period (in ha.)	At the end of Conceptual Period (in ha.)
Area under excavation	1.860	8.264	11.424
Overburden dump	0.100	1.30	1.40
Mineral storage	0.500	---	---
Infrastructure (office, canteen, rest shelter, weigh bridge, etc)	0.200	0.200	0.200
Road	0.200	0.200	0.400
Green belt in safety zone	0.400	1.000	1.400
Mineral Separation Plant	0.250	0.250	0.250
<b>Sub-Total</b>	<b>3.510</b>	<b>11.214</b>	<b>15.074</b>
Untouched area	11.564	3.860	---
<b>Total</b>	<b>15.074</b>	<b>15.074</b>	<b>15.074</b>

(xxv) Manpower: All total 59 persons will have direct employment in the mines after proposed enhancement in production, which includes managerial /supervisory staff.

(xxvi) Project Cost: The project cost is estimated to be Rs 9 crores and there is a budgetary provision of Rs 135 lakhs as capital cost & Rs 40 lakhs as annual recurring cost towards environmental protection measures; which includes air pollution control measures like Installation & maintenance more Automatic Sprinklers, Purchase & maintenance of one more water tanker & machineries for water sprinkling, etc; water pollution control measures like Construction & maintenance of boulder wall and garland drain, Modification of existing settling ponds & it's collecting drains, Desilting of pond & drains, etc , noise pollution control measures training to employees, maintenance of vehicles, etc, Environment Monitoring and Management, Occupational Health and Green Belt Development and Maintenance.

(xxvii) The proponent along with the consultant M/s Centre for Envotech and Management Consultancy Pvt. Ltd., Bhubaneshwar, made a detailed presentation before the SEAC on 12.12.2022.

(xxviii) The PP submitted ADS to SEAC and the proposal was considered for EC on 20.02.2023.

(xxix) The proposed site was visited by the sub-committee of SEAC on 18.01.2023. Following are the observations of the sub-committee:

- It was observed that the excavation is being carried out in two quarries. The stripping ration being very low, a small quantity of over burden (OB) has been generated, which is stored in the OB dump located in the North western part of the lease. As per mine management, the small amount of top soil generated is utilized in the plantation carried out in dumps and mine boundary.
- The runoff generated from the quarry areas goes to the deep most part of the quarries and percolates underground.
- Two settling ponds have been constructed in the North-West and North-East corners of the lease to store the runoff from areas. Drains have been provided to channelize the runoff to both the sumps. It was felt that the size of the settling ponds is small and may not be adequate to store the runoff generated during heavy rainfall in the monsoon season. Moreover, the settling pond in the North-west corner is

very close to the OB dump, which may cause instability of the dump in future. It is advised that settling pond may be relocated to a convenient location away from the OB dump. Moreover, the sizes of settling ponds are required to be determined based on available past rainfall data.

- The mine management was advised to carry out the slope stability study of the OB dumps, even though the OB dump is very small at the moment. With enhanced production, the size of the OB dump will increase, and thus it is desirable to implement the suggestions of the scientist study to ensure its stability against failure.
- The existing mobile screening units have been provided with water spraying arrangement to prevent the dust from getting air borne. The mine management was advised to explore the possibility of replacing the nozzles with the ones that will produce fine atomized spray instead of coarse water droplets.

(xxvii). Any deficiencies/omission have been noticed in the above documents- Nil

**Whether SEAC recommended the proposal** – Yes, in its meeting held on 20.02.2023, the SEAC recommended for grant of Environmental Clearance with stipulated conditions and following specific conditions.

- (i) The proponent shall utilize different grades of iron ore (ROM) and waste generated according to IBM guidelines.
- (ii) The proponent shall carryout compensatory afforestation for the project site.
- (iii) The proponent shall adopt additional measures for dust suppression.
- (iv) Conversion of Gochar / Grazing land if involved in lease area shall be made before going for mining activity.
- (v) Rainwater harvesting structures shall be implemented.
- (vi) The lessee shall take adequate safeguard measures to ensure the free flow of the nearby tributaries/nallahs if any.
- (vii) The EC is limited to secondary crushing and screening operations (dry process) as per approved mining plan. Under no circumstances, the lessee shall carry out any beneficiation activity (wet process) of low grade ore.
- (viii) All the ores (45-55) and +55 grades shall be used and ores & rejects shall be transported as per approved mining plan for their use. Only temporary stacks shall be operated. The mine shall avoid segregation & generation of fines and flow of silt during rainy session.
- (ix) Green processes like controlled drilling, Environment friendly blasting, safe transportation and conveying, silt-management shall be followed as per guidelines.
- (x) The settling pond shall be relocated to a convenient location away from the OB dump. The sizes of settling ponds shall be determined based on available past rainfall data.
- (xi) The mine shall explore the possibility of replacing the nozzles with the ones that will produce fine atomized spray instead of coarse water droplets.
- (xii) The mine shall carry out the slope stability study of the OB dumps for the enhanced production capacity.

**Decision of Authority:**

The Authority observed that certified as per compliance report dated 07.10.2022 of IRO, Bhubaneswar, the PP has not complied with a number of stipulation in the original EC. The Authority decided to issue show cause to PP why the EC shall not be revoked for non-compliance of earlier EC conditions.

  
Member Secretary, SEIAA

**APPROVED BY**

  
Member, SEIAA

  
Chairman, SEIAA



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AGENDA NO.113.11	
Proposal No.	SIA/OR/MIS/297420/2023
Date of application	21.02.2023
Project Type	Transfer of EC
Category	B2
Project/Activity including Schedule No.	8(a) Building & Construction Project.
Name of the Project	Proposal for Transfer of EC for Construction of Residential Quarters (Township) Project for staff over a plot area of 49.801 acres (20.153 Ha) with built-up area 1,46,577 Sqm at Village-Narendrapur, Tahasil-Odapada, Dist-Dhenkanal
Name of the company/Organization	M/s. Tata Steel BSL Ltd.
Location of Project	Village-Narendrapur, Tahasil-Odapada, Dist-Dhenkanal

### Proposal in brief:

- (i) The highlights of the proposal as ascertained from the application and as revealed from proceedings/discussion held during the meeting of SEIAA, are given as under.
- (ii) This is a proposal Transfer of EC Construction of Residential Quarters (Township) Project for staff over a plot area of 49.801 acres (20.153 Ha) with built-up area 1,46,577 Sqm at Village-Narendrapur, Tahasil-Odapada, Dist-Dhenkanal.
- (iii) Documents submitted: Application in Form-7, earlier EC copy, forwarding letter. CTE dated 06.12.2021 and CTO dated 31.03.2022
- (iv) The EC of Construction of Residential Quarters (Township) Project for staff over a plot area of 49.801 acres (20.153 Ha) with built-up area 1,46,577 Sqm at Village-Narendrapur, Tahasil-Odapada, Dist-Dhenkanal was in favour of M/s/ Tata Steel BSL Ltd. vide SEIAA letter no./Identification No. 2882/SEIAA dated 28.09.2021.
- (v) The project proponent applied proposal for transfer of EC from the name request to transfer the EC accorded by the Ministry vide letter No. 2882/SEIAA dtd.28.09.2021 from Tata Steel BSL Ltd. to Tata Steel Ltd.
- (vi) The PP has submitted Certificate of Incorporation pursuant to change of name with Corporate Identification Number (CIN): L74899DL1983PLC014942.
- (vii) Any deficiencies/omission have been noticed in the above documents- The PP has not submitted status of the project, EC compliance, Bank guaranty and Penalty details as per EC stipulation (Part-A Specific Conditions no. 03 of Page no. 06).

Whether SEAC recommended the proposal – N/A

### Decision Of Authority:

- The Authority observed that EC was granted by SEIAA vide letter no.2882/SEIAA dated 28.09.2021.
1. The PP has requested for transfer of EC granted by SEIAA vide letter no. 2882/SEIAA dtd.28.09.2021 from Tata Steel BSL Ltd. to Tata Steel Ltd
  2. The EC of dated 28.09.2021 condition no.3, (Part-A, specific condition) stipulates that “A proper Natural and Community Resource Augmentation Plan shall also be concurrently implemented. The PP is liable to pay penalty at the rate prescribed vide clause 12(ii) of the MoEF&CC, OM No. F.No.22-21/2020/IA.III dated 07.07.2021. The PP is required to furnish the relevant information for computation of the amount payable.”
  3. The PP has not complied the above EC condition.



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After detailed deliberation on the matter, the Authority decided to defer the proposal and ask the Project proponent to comply with the penalty provisions i.e., 1% of project cost incurred up to the date of filing of application along with the EIA/EMP report as contained in the paragraph 12 of the Standard Operating Procedure dated 7/07/2021 of Ministry.

**APPROVED BY**

  
**Member Secretary, SEIAA**

  
**Member, SEIAA**

  
**Chairman, SEIAA**





**AGENDA NO.113.12**

Proposal No.	SIA/OR/MIN/298625/2023
Date of application	01.04.2023
Project Type	Transfer of EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Transfer of EC of Pitagaon Sand Bed (River-Brahamani) over an area 12.35acre or 4.997Hectare in Pitagaon village under Gurundia Tahasil of Sundargarh district Odisha
Name of the company/Organization	Smt. Susama Swain Nuabasti, Raghunathapali
Location of Project	village Tirthapada under Kantapada Tahasil of Cuttack dis

**Proposal in brief:**

- (i) The highlights of the proposal as ascertained from the application and as revealed from proceedings/discussion held during the meeting of SEIAA, are given as under.
- (ii) This is a proposal Transfer of EC of Pitagaon Sand Bed over an area 12.35acre or 4.997Hectare in Pitagaon village under Gurundia Tahasil of Sundargarh district Odisha
- (iii) Documents submitted: Application in Form-7, earlier EC copy, Tahasildar forwarding letter, Status of quarry and scrutiny of Rs. 2000/- vide e-Challan Ref. No. 359FD23449 dated 14.03.2023
- (iv) The EC of Pitagaon Sand Bed over an area 12.35acre or 4.997Hectare in Pitagaon village under Gurundia Tahasil of Sundargarh district Odisha was in favour of Tahasildar, Gurundia vide SEIAA letter no./Identification No. 10143/SEIAA dated 16.12.2020
- (v) Present status of quarry- Non-Working.
- (vi) Whether submitted KML file-Yes
- (vii) The project proponent applied proposal for transfer of EC from the name Tahasildar, Gurundia to Smt. Susama Swain, (highest bidder/lessee) with attaching Tahasildar forwarding letter vide letter no. 412 dated 10.03.2023.
- (viii) Any deficiencies/omission have been noticed in the above documents- Nil

Whether SEAC recommended the proposal – N/A

**Decision Of Authority:**

The Authority decided to **reject the transfer of EC** as the PP has not submitted the ARSS report as stipulated in the EC order 10143/SEIAA dated 16.12.2020.

**APPROVED BY**

  
Member Secretary, SEIAA

  
Member, SEIAA

  
Chairman, SEIAA