



Minutes of 170th Meeting of SEIAA, Odisha held on 03.07.2024 & 04.07.2024

PARIVESH 1.0, AGENDA No.170.12

Proposal No.	SIA/OR/MIN/430659/2023
Date of application	26.05.2023
File no.	SIA/OR/MIN/430659/2023
Project Type	New proposal for EC, proposal for enhancement of production capacity
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for EC mining of stone from Kuilarijore Stone Quarry- I over an area of 8.25 Acre or 3.338 Ha under Jamankira Tahasil of Sambalpur District Odisha.
Name of the company/Organization	Sri Lalit Behera
Location of Project	Jamankira Tahasil of Sambalpur District Odisha.
ToR Date	N/A
Name of the Consultant	N/A

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

- i) This is a proposal for mining of stone from Kuilarijore Stone Quarry- I over an area of 8.25 Acre or 3.338 Ha under Jamankira Tahasil of Sambalpur District Odisha.
- ii) The mining area is a part of Survey of India Topo sheet No. F45M6 and is bounded between the Latitude - 210 38'19.51" to 210 38'29.16" N and longitudes of 840 25' 53.75" to 840 26'02.14" E.
- iii) The mining lease is an identified sairat source in the DSR. The Kuilarijore Stone Quarry- I sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Jamankira to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- iv) Documents submitted: -Form-1, DLC, PFR, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, topo map etc.
- v) Whether submitted KML file of the lease area-Yes
- vi) Whether submitted scrutiny fee-Yes of Rs. 1000/- vide e Challan Reference Id no. 3594B955A1 dt. 28.01.2023.
- vii) Distance from nearest sanctuary/ESZ- Bamara WLS-22.0 Km
- viii) Whether the lease area coming in DLC report-No, as certified by Tahasildar, Jamankira vide letter no. nil dt 09.02.2023.
- ix) Whether the lease area reflecting in DSR-Yes
- x) Method of mining-Semi-mechanized without drilling and blasting
- xi) Distance from nearest road bridge-1.5 km, village road -0.85 km, NH-49 is 110 meter
- xii) Whether it is part of cluster -No
- xiii) Whether EC obtained earlier-Yes
- xiv) Date of approval of mining plan- by the Joint Director Geology, Zonal Survey, Sambalpur dt. 03.02.2023
- xv) Production capacity per annum-25020 cum/annum (max.), total production in 5 years period- 100080 cum, Geological reserve- 686871 cum and Mineable reserve- 398574 cum

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- xvii) Whether the DSR has been prepared as per the MoEF& CC, Govt. of India Notification S.O. 3611(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020- No
- xvii) EMP cost of Rs.1.30 Lakh
- xviii) Any deficiencies/omission have been noticed in the above documents- NH-49 is 110 meters

2. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 29th & 30th January 2024 and The SEAC observed the following discrepancy and SEIAA may seek clarification before grant of EC to the following proposal.
- (i) The PP in the compliance report mentions in 9.15 that Delay detonators and shock tube initiation system for blasting are using so as to reduce vibration and dust. Whereas in 9.16 it states that Drilling is being done and no blasting has been proposed.
 - (ii) In 9.24 it states that the explosives will be stored at site as per the conditions stipulated in the permits issued by the licensing Authority
 - (iii) The SEAC decided to recommend the enhancement in production for the proposal as per the Modified Mining Plan.
3. The proposal was placed in 158th SEIAA, Odisha meeting held on 01.03.2024 & 02.03.2024 after detailed deliberations in the matter, the Authority decided that the PP is required to submit the following documents:
- (i) Earlier EC copy and its compliance.
 - (ii) Clarification regarding drilling & blasting for operation of the quarry.
 - (iii) Details about use and storage of explosive for blasting if any.
4. Now, the PP has submitted earlier EC compliance and mentioned that No drilling & blasting will be done as mentioned in 10(c) of modification of mining plan at page No- 11.

Decision Of Authority: Approved

After detailed deliberations, the Authority decided **to grant Environmental Clearance** subject to the condition that blasting operation or use of any type of explosive is totally prohibited along with usual stipulated conditions as applicable for stone quarry.

- Maximum depth of mining 6.0 meter from the surface level and maximum quantity of extraction shall be limited to **25020 cum in 1st year and 25020 cum in 2nd year** from the date of issue of EC.
- The EC is valid till validity of DSR or validity of lease period whichever is earlier.
- The Grant of EC for further period will be considered after submission of approved DSR by SEIAA as per the MoEF& CC, Govt. of India Notification S.O. 3611(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020 and also as per the Hon'ble Supreme Court order vide its order dated 10.11.2021 in Civil Appeal Nos. 3661-3662 of 2020 (State of Bihar Vrs. Pawan Kumar and Others).
- The Project Proponent (lease holder) shall deposit Rs.1,75,000/-, with the respective District Environment Society for raising 350 plants (minimum @100 trees per Ha) of native species within 2 years in a suitable location adjoining to quarry.
- The PP will implement the EMP with a budgetary allocation of Rs.1.3 Lakh/annum as recurring cost.

APPROVED BY


Member Secretary, SEIAA


Member, SEIAA


Chairman, SEIAA

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PARIVESH 1.0, AGENDA No.170.13

Proposal No.	SIA/OR/MIN/433677/2023
Date of application	19.07.2023
File no.	-
Project Type	New EC proposal
Category	B2 individual but B1-in cluster approach.
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for EC of Anjira Black Stone Quarry No-18 over an area 3.00 Ac or 1.214 Ha in Village Anjira under Dharmasala Tahsil of Jajpur District of Odisha
Name of the company/Organization	Sri R.J. Bharat Kumar
Location of Project	Village Anjira under Dharmasala Tahsil of Jajpur District of Odisha
ToR issued date	03.06.2020
Name of Consultant	M/s. Kalyani Laboratories Pvt.Ltd.

1. Proposal in brief:

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

- (i) This is a proposal for mining of stone from Anjira Black Stone Quarry No-18 over an area 3.00 Ac or 21.214 Ha in Village Anjira under Dharmasala Tahsil of Jajpur District of Odisha.
- (ii) The mining area is a part of Survey of India Toposheet No. F45U1 and is bounded between the Latitude-20°50'33.02"N to 20°50'30.94" N and Longitude – 86°02'41.39"E to 86°02'40.97" E bearing Khata no. 416, Plot No. 845 (P), Kissam-Parbata
- (iii) The mining lease is an identified sairat source in the DSR. The Anjira Black Stone Quarry No-18 sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Dharmasala to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- (iv) Documents submitted: -Form-1, EMP, PFR, DLC, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, Dharmasala, topo map etc.
- (v) Whether submitted KML file of the lease area-Yes
- (vi) Whether submitted scrutiny fee-Yes of Rs. 1000/- vide e Challan Reference Id no. 35B20166AD dt. 19.06.2023.
- (vii) Distance from nearest sanctuary/ESZ- Kapilash WLS-34.36 Km
- (viii) Whether the lease area coming in DLC report-No, as certified by Tahasildar, Dharmasala on vide letter no. 1309 dt. 28.03.2023.
- (ix) Whether the lease area reflecting in DSR-Yes
- (x) Method of mining-semi-mechanized and **no blasting** will be done
- (xi) Distance from nearest road bridge-2.0 km, NH-320 road-0.30, **village & Village road-50 meter**
- (xii) Whether it is part of cluster – Yes, total lease area under cluster is 55.79 Ha for which already EIA & EMP approved by SEAC on 03.08.2021 and accordingly, letter was by SEIAA, Odisha vide letter no. 2327/SEIAA dated 31.08.2021 to the PP to apply individual application for EC.
- (xiii) Whether EC obtained earlier-No
- (xiv) Date of approval of mining plan- by the Deputy Director of Geology, Directorate of Mines & Geology, Bhubaneswar vide letter no. nil dt. 23.12.2022
- (xv) Production capacity per annum-25029 cum/annum (max.), total production in 5 years period-125291 cum, Geological reserve-423922 cum and Mineable reserve-131852 cum.
- (xvi) The DSR has not been prepared as per the MoEF& CC, Govt. of India Notification S.O. 3611(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring



- Guideline for sand mining-2020 and as per the Hon'ble Supreme Court order vide its order dated 10.11.2021 in Civil Appeal Nos. 3661-3662 of 2020 (State of Bihar Vrs. Pawan Kumar and Others).
 (xvii) ToR was issued vide letter no. vide letter no. 8327/SEIAA dt. 03.06.2020 for EIA and EMP.
 (xviii) Public hearing of Anjira-Makundapur Hillocks (Cluster-1) mines for production of building stone/road metal over an area of 55.79 Ha. (15nos of mining leases) at Anjira & Mukundapur village under Dharmasala tahasil of Jajpur district was conducted on 28.08.2020 at Kalyani Mandap, Marjitapur, Jajpur. The issues raised in the PH are Pollution, Greenbelt Development, Labour issues, Blasting and associated problem. The concerned Tahasildar has assured that Greenbelt will be developed by planting trees and water conservation will also be done. Registration of labour will be done according to low on priority basis. 2% of project cost will be accorded for corporate Environment Responsibility under which pollution control measure, plantation, water conservation and peripheral development such as road development such as road development, local employment of priority basis, health check-up and distribution of educational material in primary schools will be done. (Details given in CER plan).
 (xix) Budget provision for cluster EMP of Rs. 20.0 Lakh (Capital Cost) and Rs. 40. Lakh/annum (Recurring Cost). Total project cost is Rs. 400 Lakhs. CER Cost of Rs. 79 Lakh
 (xx) Budget provision for individual EMP of Rs. 1.20 lakh/annum
 (xxi) Provision for plantation of 750 no. of species.
 (xxii) Any deficiencies/omission have been noticed in the above documents- **village & Village road-50 meter.**

2. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 03.08.2021 and the SEAC recommended the proposal for grant of EC


Decision Of Authority: Approved

After detailed deliberations, the Authority decided **to grant Environmental Clearance** subject to the condition that blasting operation or use of any type of explosive is totally prohibited along with usual stipulated conditions as applicable for stone quarry as given below.

- Maximum depth of mining 6.0 meter from the surface level and maximum quantity of extraction shall be limited to **25029 cum in 1st year and 25029 cum in 2nd year** from the date of issue of EC.
- The EC is valid till validity of DSR or validity of lease period whichever is earlier.
- The Grant of EC for further period will be considered after submission of approved DSR by SEIAA as per the MoEF& CC, Govt. of India Notification S.O. 3611(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020 and also as per the Hon'ble Supreme Court order vide its order dated 10.11.2021 in Civil Appeal Nos. 3661-3662 of 2020 (State of Bihar Vrs. Pawan Kumar and Others).
- The Project Proponent (lease holder) shall deposit Rs.2,75,000/-, with the respective District Environment Society for raising 550 plants (minimum @100 trees per Ha) of native species within 2 years in a suitable location adjoining to quarry.
- The PP will implement the EMP with a budgetary allocation of Rs.1.20 Lakh/annum as recurring cost and CER cost is 0.79 lakh.

APPROVED BY


Member Secretary, SEIAA


Member, SEIAA


Chairman, SEIAA



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PARIVESH 1.0, AGENDA No.170.14

Proposal No.	SIA/OR/INFRA2/438565/2023
Date of application	24.08.2023
File no.	438565/120-INFRA2/08-2023
Project Type	New EC
Category	B
Project/Activity including Schedule No.	8(a) Building & Construction Project
Name of the Project	Proposal for EC of M/s Zonex Infra Projects Pvt. Ltd. Proposed for building & construction project (B+G+18) Storied MIG Residential Apartment Building over an built-up area 40827.928 sqm located at Mouza-Raghunathpur, Tehsil-Bhubaneswar, Dist- Khurda, Odisha.
Name of the company/Organization	M/s. Zonex Infraprojects Pvt. Ltd. Sri Gauranga Charan Barik
Location of Project	at Mouza- Raghunathpur, Tehsil-Bhubaneswar, Dist- Khurda, Odisha
ToR Date	N/A
Name of the Consultant	M/s Centre for Envotech & Management Consultancy Pvt. Ltd., Bhubaneswar

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

1. This proposal is for Environmental Clearance for M/s Zonex Infra Projects Pvt. Ltd. of Proposed (B+G+18) Storied MIG Residential Apartment Building over an built-up area 40,827.928 sqm located at Mouza - Raghunathpur, Tahasil - Bhubaneswar, Dist - Khurda of Sri Gauranga Charan Barik.
2. **Category:** This project falls under Category "B", Project or Activity 8(a) Building and Construction projects as per EIA Notification dated 14th Sept, 2006 as its amendments.
3. **Location and Connectivity** – The proposed site is located at Mouza - Raghunathpur, Bhubaneswar, Dist - Khurda, Odisha. The Geographical co-ordinates of the project site is: Latitude- 20° 22' 58.52"N & Longitude- 85° 49' 25.63"E. The project site is well connected with Nandan Kanan road which take towards National Highway-16 (Kolkata-Chennai Road). Nandan Kanan road is 0.1 Km from proposed site. The nearest railway station is Bhubaneswar Railway station at a distance of approx 13.2 Km in South direction. The nearest airport is Biju Patnaik Airport at a distance of approx. 14.5 Km in South West direction from project site. The site is easily accessible from Nandan Kanan Road. Kuakhai River at a distance of 6.2 km from project site.
4. The site is coming under which Development Authority – Bhubaneswar Development Authority (BDA).
5. BDA has provisionally approved the building vide Letter No. SUJOG/OBPS/NOC/2023/044, Bhubaneswar, Dated: 11/07/2023.
6. The total plot area is 7,431.33 sq.mt. with total built-up area 40,827.928 sq.mt.
7. The Building Area Details of the Project in tabulated form

Particular	Permissible	Proposed
Plot Area,	Total Plot Area- 8,122.19 sqm Road Affected Area- 690.86 sqm Net Plot Area- 7,431.33 sqm	
Ground Coverage		2,660.42 sqm (35.8%)
FAR	7.5	4.39
Total Built up Area	--	40,827.928 sqm

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Maximum Height	--	58 m
Road Area	--	1114.70 sqm
Open Visitor Parking	--	835.106 sqm
Basement Parking	--	6,034.964 sqm
Ground Floor Parking	--	1,395.794 sqm
Total Parking Area	8,158.077 sqm (25% of FAR Area)	8,265.864 sqm
Green Area	1,486.266 sqm (20% of Plot Area)	1,490.85 sqm (20.06% of Plot Area)
Maximum No. of Floor	--	B+G+18
Power/Electricity Requirement & Sources	--	842.0 KW Source: TPCODL
No. of DG sets	--	1 x 750 KVA
Solar Energy	--	44.3 KW (5.3%)
Water requirement & Sources	--	82.0 KLD
Wastewater Generation	--	104.5 KLD
Sewage Treatment & Disposal	--	STP Capacity – 120 KLD
Solid Waste Generation	--	461.5 kg/day
No. of Dwelling Unit	--	176 Nos.
Estimated Population-Residential, Floating/visitors	--	Residential- 880 Nos. Floating- 88 Nos.

8. **Water requirement:** Fresh make up of 82.0 m³/day will be required for the project which will be sourced from Ground Water. Total waste water generated from the proposed building will be 104.5 KLD which is treated in STP of capacity 120.0 KLD. Rain Water harvested through 21 nos. of Rain Water recharging pits.

Sl. No.	Description	Total Population	Per Capita Consumption (ltr/day)	Water Requirement		
				Domestic	Flushing	Total
i)	Residential Building	880 nos	135	79.2	39.6	118.8
ii)	Visitor @ 10 %	88 nos	45	2.2	1.7	3.9
TOTAL				81.4	41.3	122.7
				82.0	41.0	123.0

9. **Wastewater management:** The wastewater will be treated in the STP of capacity of 120 m³/day provided within the complex. Out of which 99.3 m³/day will be recycled within the project for flushing (41.0 m³/day), landscaping (6.5 m³/day), STP loss (5.2 m³/day) & Dust suppression in Road Area (8.5 m³/day). 43.3 m³/day will be discharged to drain in case of non-monsoon period.

Details	Water (KLD)
Water requirement for domestic purpose	82.0
Wastewater generated from domestic use (@ 80 % of domestic water requirement)	65.6
Water requirement for Flushing Purpose	41.0
Wastewater generated from Flushing (@ 95 % of flushing requirement)	38.9
Total Wastewater generated	65.6+38.9 = 104.5 KLD

Sewage Treatment Plant Capacity	120.0 KLD
STP Loss (5 % of wastewater generation)	5.2
Recycled water form STP @ 95 % of wastewater generated	99.3

10. **Power requirement:** Total Power requirement of the proposed residential building is 842.0 KW, Source is TPCODL, 1x750 KVA DG Set will be provided. Total 44.3 KW Solar Power Generation which is 5.3% of total power required in project.
11. **Rain Water Harvesting:** Total 137 cum Rain Water is harvested through 21 no. of recharge pits.
12. **Parking Requirement:** Total parking area provided is 8265.86 Sq.mt. and total 272 nos. of ECS and location of parking area is Basement & Ground Floor.

Parking Area Provided			
Basement Parking			6034.964 sqm
Ground Floor Parking			1395.794 sqm
Open Parking			835.106 sqm
Total Parking	--	--	8265.864 sqm
Equivalent Car Space Provided			
	Area (sqm)	Area/ECS	
Basement Parking	6034.964	32	189 ECS
Ground Floor Parking	1395.794	28	50 ECS
Open Parking	835.106	25	33 ECS
Total Parking Provided			272 ECS
Total Four-Wheeler Parking			195 Nos.
Total Two-Wheeler Parking			100 Nos.
Parking for Visitor (10%)			831.53 sqm

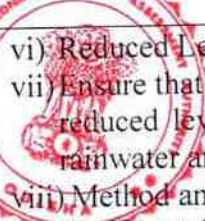
13. **Green Belt Development:** Green belt is developed over an area of 1,490.85sqm which is 20.06% of the total plot area. Total 96.0nos. of plants to be planted and 3 tier plantation to be carried out.
14. **Solid Waste Management:** Solid waste generated, and its management is given in the following table:

Detail of Solid Waste Management

S. No.	Category	Counts (heads)	Waste generated (kg/day)
i)	Residents	880 @ 0.45 kg/day	396.0
ii)	Floating	88 @ 0.15 kg/day	13.2
iii)	STP sludge		52.3
TOTAL SOLID WASTE GENERATED			461.5 kg/day

15. **Project cost:** The estimated project cost is 75.0 Crores and cost for EMP is 1.7 Crores.
16. **Environment Consultant:** The Environment consultant M/s Centre for Envotech & Management Consultancy Pvt. Ltd., Bhubaneswar along with the proponent made a presentation on the proposal before the Committee on 22.09.2023.
17. The SEAC in its meeting held on dated 22-09-2023 recommended the following:
- A. **The proponent may be asked to submit the following for further processing of EC application:**
- Certificate from concerned DFO that the project is not located within the Eco-Sensitive Zone of Chandaka-Dampada Wildlife Sanctuary and Nandankanan Sanctuary.
 - Land documents and KISSAM of land.
 - Copy of land use map.
 - NOC/permission from PWD / concerned Department for discharge of excess treated water to public drain. The project proponent also to confirm unhindered access to the proposed point of storm water / excess sewage treated water drain discharge from its project site.
 - Correct drainage map as suggested by PP and if deposited for approval from the concerned authority.

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- vi) Reduced Level (RL) of ground water and place where STP is installed during summer and rainy season.
 - vii) Ensure that the differences between the reduced level of the bottom of rainwater harvesting pits and the reduced level of ground water during rainy season are adequate for effective recharge of collected rainwater and submit the report for the same.
 - viii) Method and detailed technique to be used for disinfection in STP.
 - ix) Traffic study Report vetted by institute of repute.
 - x) Structural stability certificate prepared by reputed institutes like NIT/IIT, Odisha
 - xi) Copy of affidavit as mentioned in Drainage Permission Letter.

B. The proposed site shall be visited by Sub-Committee of SEAC to verify the followings

- i) Environmental settings of the project site.
- ii) Extent of construction activity if any.
- iii) Road connectivity to the project site.
- iv) Drainage network at the site.
- v) Discharge point for discharge of treated water and distance of the discharge point from the project site.
- vi) Greenbelt area.
- vii) Any other issues including local issues.

18. The proposed site was visited by Sub-Committee of SEAC on dated **29.09.2023** and following observations as mentioned below:

- a) The Project site is located adjacent to Jaydev Vihar - Nandan Kanan main road of about 100 ft wide. The Project proponent and Team explained the Layout plans.
- b) It was observed that there are no construction activities in the land. The land is connected to the main road having drain at the side.
- c) The PP explained that the excess treated water will be discharged to the road side drain along with storm water. PP was asked to submit the document/permission in support of the same from appropriate authority.
- d) The stack height to be maintained as per CPCB norm. All statutory clearance to be taken before project implementation.
- e) Traffic study to be vetted and submitted, if not done.
- f) All other points covered during presentation to be complied.

19. The proponent has furnished the compliance and the SEAC verified the same as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of SEAC
1.	Certificate from concerned DFO that the project is not located within the Eco-Sensitive Zone of Chandaka-Dampada Wildlife Sanctuary and Nandankanan Sanctuary.	Certificate has been obtained from Deputy Director, Nandankanan Zoological Park vide letter no. 1697/3F-609/2024, dated 30th March, 2024. NoC letter copy is attached in Annexure-1 . NoC has been obtained from DFO Chandaka Wildlife Division vide letter no. 2163/4F (F.C. Act & Lease)-19/2023, dated 17.03.2023. NoC letter is attached in Annexure-2 . As per this letter the proposed project is not located within the Eco-Sensitive Zone of Chandaka-Dampada Wildlife Sanctuary and Nandankanan Sanctuary.	Copies submitted.
2.	Land documents and Kissam of land.	Total land requirement of the project is 7431.33 sqm which is already acquired	Copies submitted.



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		and the kissam of land is Gharabari. Land document is attached in Annexure-3 .	
3.	Copy of land use map.	Land use map of the proposed project site is attached in Annexure-4 .	Copy submitted
4.	NOC/permission from PWD / concerned Department for discharge of excess treated water to public drain. The project proponent also to confirm unhindered access to the proposed point of storm water / excess sewage treated water drain discharge from its project site.	The treated wastewater will be discharged to nearby municipal drain which is adjacent to the project site. The drainage plan has been vetted by Office of the Chief Engineer Drainage, Gandarpur, Cuttack vide letter no. 4061, dated 04.09.2023 and EIDP Plan is also recommended by Technical Committee, BDA on 23.08.2023. The Technical Committee meeting and Chief Engineer Drainage letter is attached in Annexure-5 .	Copy submitted
5.	Correct drainage map as suggested by PP and if deposited for approval from the concerned authority.	Drainage Map of the area is attached in Annexure-6 . Drainage plan is already submitted to the drainage authority.	Copy submitted
6.	Reduced Level (RL) of ground water and place where STP is installed during summer and rainy season.	As per the existing study and data for the Reduced Level of Ground Water level is 41.00 mtr from BGL and the STP will be installed in the Basement.	-
7.	Ensure that the differences between the reduced level of the bottom of rainwater harvesting pits and the reduced level of ground water during rainy season are adequate for effective recharge of collected rainwater and submit the report for the same.	As per the existing study and data for the Reduced Level of Ground Water table in rainy season is 13.00 mtr from BGL, Bottom reduced level of STP is 20.45 mtr from BGL, Rain Water Harvesting pits is 22.13 mtr from BGL, Existing surface level is 23.0 mtr from BGL and the Development Reduced Level is 25.32 mtr from BGL.	-
8.	Method and detailed technique to be used for disinfection in STP.	For disinfection we are using UV & UF in the STP.	-
9.	Traffic study Report vetted by institute of repute.	Traffic Study Report has been vetted by Indian Institute of Technology (IIT) Bhubaneswar & the vetted traffic study report is attached in Annexure-7 .	LOS comes to be B after 10 years after inclusion of project.
10.	Structural stability certificate prepared by reputed institutes like NIT/IIT, Odisha	Structural Stability certificate is attached in Annexure-8 .	Copy submitted
11.	Copy of affidavit as mentioned in Drainage Permission Letter.	Affidavit regarding drainage permission is attached in Annexure-9 .	Copy submitted

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

- Whether SEAC recommended the proposal** – The proposal was placed in the SEAC meeting held on 16.05.2024 and the SEAC Considering the information furnished and the presentation made by the consultant, M/s Centre for Envotech & Management Consultancy Pvt. Ltd., Bhubaneswar along with the project proponent, the SEAC recommended for grant of Environmental Clearance valid for 10 years with

stipulated conditions as per **Annexure – B** in addition to the following specific conditions.

- i) Affidavit has been submitted by PP that they will construct drain for the above residential project at their own cost and expenses and will obtain clearance from private land owners as well as from Govt. Authority in which drain will be constructed to nearest available disposal point. The PP shall strictly follow it, failing to which EC shall be revoked.
- ii) 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.
- iii) 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.
- iv) The proponent shall use solar energy at least to the tune of 5% of total power requirement as proposed.
- v) The proponent shall obtain permission from concerned Fire Safety Authority.
- vi) Trees located within the project area shall be transplanted to alongside the boundary green development area.
- vii) The proponent shall implement the Pollution Control Measures and safeguards as proposed in the Environment Management Plan (EMP) of project report.
- viii) The project proponent shall maximise utilisation of treated water in flushing, plantations and ground washings etc. as per need to reduce water discharge to drain. This shall be verified in future compliance report.
- ix) The PP will not commence construction unless the drain lay out is finalized and permission given for the same by the authority to discharge excess treated water & storm water.
- x) All compliances submitted/ committed by PP(s) shall be strictly adhered to them in addition to all the conditions/ specific conditions of EC.
- xi) The stack height to be maintained as per CPCB norms. All statutory clearance to be taken before project implementation.
- xii) Before starting the construction physical properties as well as engineering properties of the soil along with its bearing capacity should be undertaken and the report should be submitted.

Decision of Authority: Approved

After detailed deliberations in the matter, the Authority decided **to grant Environmental Clearance (EC)** subject to condition that the PP shall construct drain for the above residential project at their own cost and expenses and will obtain clearance from private land owners as well as from Govt. Authority, as the case may be, in which drain will be constructed to nearest available disposal point within a period of two years. Further, the PP shall submit a compliance report with respect to the progress made in this regard to SEIAA, Odisha periodically. In, case the drain is not constructed within a period of 2 years, the EC shall stands automatically revoked.

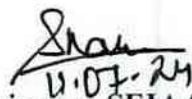


Member Secretary, SEIAA

APPROVED BY



Member, SEIAA



Chairman, SEIAA



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PARIVESH 1.0, AGENDA No.170.15

Proposal No.	SIA/OR/MIN/435450/2023
Date of application	28.08.2023
File no.	435450/597-MINB2/09-2023
Project Type	New EC
Category	B
Project/Activity including Schedule No.	1(a) Mining of Minerals
Name of the Project	Proposal for EC of Jujumara Decorative Stone Mines over an area 1.80 Ha in village Jujumara, Dist: Sambalpur, Odisha.
Name of the company/Organization	Sri Mohammad Khan
Location of Project	village Jujumara, Dist: Sambalpur, Odisha.
ToR Date	N/A
Name of the Consultant	M/s Centre for Envotech & Management Consultancy Pvt. Ltd., Bhubaneswar

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

1. This proposal is for Environmental Clearance of Jujumara Decorative Stone Mines over an area 1.80 Ha in village Jujumara, Dist: Sambalpur of Mohammad Khan.
2. **Category:** As per the EIA Notification dated 14th September 2006 and its subsequent amendments the proposed project falls under category B2 (<5ha) of Schedule in item 1 (a) – mining of minerals.
3. This is an existing mine operating since 29th July 2004. As the lease area is less than 5.0 Ha and operating before 14th September 2006, Environment Clearance was not applicable for the mines. However, for renewal of mines EC is applicable to all the lease area.
4. This is a B2 category project and public hearing has been exempted as per EIA Notification 2006 and subsequent amendments.
5. **List of Statutory Clearances obtained earlier -**
 - a) The Mining Plan along with PMCP was approved by Directorate of Mines & Geology, Steel & Mines Department, Govt. of Odisha, Bhubaneswar vide letter no. 5440/DM dated 27.06.2022.
 - b) As per Cluster Certificate issued by The Tahasildar, Jujumara Tahasil, there is no other mineral lease located within the 500m from the periphery of the proposed project and the it doesn't come under DLC area.
6. **Location and connectivity:** The project area is located in village Jujumara of Sambalpur District, Odisha. The lease area is entirely located in waste land under Patita Category under the revenue head of Abada Ajogya Anabadi Kissam bearing khata no 296 and plot no. 644/P. The ML area is located in Topo sheet no. 73C/4 and bounded by Latitude 21°14'27" to 21°14'39" N and Longitude 84°07'53" to 84°07'57" E. The lease area is located at a distance of 0.75 km from the NH 55 i.e. Sambalpur- Cuttack Road. From NH- 55 the lease area is connected through all weathered road. Sambalpur –Jharsuguda Railway line is located at a distance of 0.66 km from the lease area. The nearest railway station of located at 1.5 Km from the lease area. Nearest habitation is Jujumara village which is at a distance of 1.0 Km from the lease area. The project is not located within Eco-Sensitive Zone (ESZ) or Eco-Sensitive Area (ESA) notified by the MoEF&CC. Ushakothi Wild Life Sanctuary is situated 25km distance from the lease area.
7. **Total Reserves Production:** The total Geological Reserves for the ML area is 111546 Cum, Mineable Reserves for the ML area is 47728Cum.
8. **Water requirement:** About 2KLD of water will be required in the mine for domestic and non-domestic purpose.
9. **Mining Plan Details:**

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- a) **Details of Minerals:** There will be production of Decorative Stone of quantity 2080(cum)/annum.
- b) **Method of Mining:** Semi Mechanized Open cast Method with drilling and wedge and feather cutting. The maximum depth of mining will be 10m. The equipment used are Poclain, Wire saw, Jack hammer Drill, Compressor, drill rod, water tanker and safety equipments.
- c) **Transportation:** From the mines the transportation will be carried out once in a week with 2 nos. of trailers. The haul road from the lease area to the main road is of 0.75 Km with a width of 10m. The haulage road meet to NH 55. The road is not passing through any village or habitation.
10. **Solid waste generation:** A total waste of 15480m³ will be generated during the conceptual period.
11. **Mitigation of solid waste produced:** The waste rejects (50%) amounting 7740 cu.m will be dumped over an area of 1548m² at 7.5m height. Depending upon the essentiality, remaining 50% waste/rejects will be sold to the local entrepreneurs for construction of building and roads. These stone will be utilized con-currently for construction & maintenance of road in the lease area.
12. **Greenbelt Development:** They have proposed for afforestation program of 1400 saplings in the safety zone over an area of 5260sq.m.
13. **Total Employment:** A total of 23 nos. of people will be employed in the mine.
14. **Project Cost:** The total project cost is 250 Lakh. The Capital cost allocated for implementation of EMP is 9.0 Lakh and recurring cost allocated for EMP is 5.8lakh.
15. **Environment Consultant:** The Environment consultant **M/s Kalyani Laboratories Private Limited, Bhubaneswar** along with the proponent made a presentation on the proposal before the Committee.
16. The SEAC in its meeting held on dated **20-10-2023** decided to take decision on the proposal after receipt of the following from the proponent. The proponent has furnished the compliance and the SEAC verified the same as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of SEAC
1.	Copy of DSR for proposed project i.e. Jujumara Decorative Stone mines prepared by the district administration, which is in the process of approval by the District Administration.	Copy of the DSR is attached Annexure 1.	-
2.	Detailed dimension of the settling pond, its capacity and frequency of the de-siltation to be carried out from the settling ponds.	The dump slope will be provided with retaining wall of 59 mtr and garland drain of 64 mtr will be erected around the dumping yard to arrest the washing off of loose sediments. The garland drain will provide with 3nos settling tanks of 5 m x 5m x3m (225cu.m) where water will be settled and the overflow will connected to the rain water harvesting sump in the lease area. De siltation will be carried out once in a month during the rainy season.	-
3.	Permission obtained from the local authority for creation of Pond in the ML area rather than back filling followed by plantation.		
4.	Details of mRL for both before and after the mining for surface water and ground water.	Before the mining operation the mRL is 227m and the ultimate depth of mining will be 220 mRL It has been	-



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		observed from the nearby wells and tube wells that the ground water table occurs at 210mRL (pre-monsoon) to 213 mRL (post monsoon).	
5.	Mine closure plan approved by concerned authority.	Approved mine closure plan is attached for reference. Annexure 2	-
6.	Clarification from Steel & Mines Deptt., Govt. of Odisha regarding extension of mining lease.	<p>As per Letter issued by The Deputy Director of Mines, Sambalpur Circle vide letter no. 1158/Mines on Dated.01.07.2023, the mine lease was executed and registered on Dated.06.08.2004 for the period of ten years upto 05.08.2014.</p> <p>Further, the application of RML has been filed on Dtd.25.03.2014 within stipulated time period as per Rule 8 (7) of OMMCR – 2004.</p> <p>According to the OMMC Amendment Rule 2016 (Pl. Refer to The Odisha Gazette Notification Dated.21st May'2016 published on behalf of Deptt. Of Steel and Mines) Clause 3: wherein it is mentioned that “Notwithstanding anything contained in these rules, any holder of the mining lease for decorative stone granted before the date of commencement of OMMC Rules, 2016 shall be entitled for extension of lease period, if any, or a period of thirty years from the date of grant of such mining lease with the same terms and conditions, whichever is later, such mining lease with the same terms and conditions whichever is later, subject to the condition that the terms and conditions of the lease have been “</p> <p>As per the said notification, the mining lease due to expired on Dtd.05.08.2014 deemed to be extended up to Dtd.05.08.2034 as per the new rule.</p> <p>The mine is subsistence as per all statutory norms and regulations of the Govt. A letter of correspondence in this regard has been issued by the Mining Officer, Sambalpur Circle is enclosed herewith. Annexure 3.</p>	

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7.	Rectified mining plan removing the blasting activity, as there is provision of blasting in the said mining plan whereas it has been presented before the SEAC that there won't be any blasting activity.	As per the approved mining plan there is no proposal for blasting in the mines. Copy of the mining plan highlighting the same is attached Annexure 4.	
8.	Precautionary measures to be taken w.r.t. Noise and Vibration as there is a school nearby.	<p>There will be no blasting carried out for the cutting of stone. Though the noise pollution in the said mines is very less then also following mitigation measures will be adopted for control of noise and vibration:</p> <ul style="list-style-type: none"> • The DG set will be kept within the acoustic enclosure made by the stone blocks. • Drills will be equipped with sharp bits and wet drilling will be adopted. • A well-planned green belt is proposed for the mining to reduce noise level. • Regular maintenance of the machineries and vehicles to reduce the noise level. • Use of earmuffs by the workers with occupational exposure to noise. 	-
17. The PP has submitted that he will submit relevant DSR incorporating the details of Jujumara Decorative Stone Mines before grant of Environment Clearance from SEIAA, Odisha. This is a new quarry which is not included in the DSR except one page approval letter of the concerned Collector and signature of DEIAA Committee and the DSR yet to be approved by SEAC & SEIAA.			
2. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 15.05.2024 and the SEAC Considering the information furnished and the presentation made by the consultant, M/s Kalyani Laboratories Pvt. Ltd., Bhubaneswar along with the project proponent, the SEAC recommended for grant of Environmental Clearance upto lease period with stipulated conditions as per Annexure – C and following additional conditions: <ol style="list-style-type: none"> The project proponent shall not carryout blasting activity for cutting of stone as proposed. Haulage road shall be developed and maintained perennially and perpetually by the proponent in consultation with the concerned authority of the Govt. The project proponent shall maintain periodic health check-up records of their employees and ensure use of face mask by workers in crushing and handling sections of the decorative stone quarry for ensuring that working personnel are not affected by silicosis. The project proponent shall follow proper procedure as advised by Forest Deptt. for tree felling or transplantation of those tress within safety zone. Provision for compensatory afforestation must be done by equal number of plantations in consultation with Forest Deptt. The project proponent shall undertake re-grassing of the area or any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for fodder, flora, fauna etc. after ceasing mining operation that is at the time of mine closure. Detail risk and hazard management procedure as per the Annexure – D shall be followed by the lessee. 			

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- vii) Project Proponent shall take extra care and precautions for causing no disturbance of any kind to the nearby school.

Decision of Authority: ADS

After detailed deliberation in the matter, the authority decided that the PP is required to submit the approval of DSR by competent authority i.e. by SEIAA, Odisha for further consideration of the proposal.

APPROVED BY


Member Secretary, SEIAA


Member, SEIAA


Chairman, SEIAA



PARIVESH 1.0, AGENDA No.170.31

Proposal No.	SIA/OR/MIN/462389/2024
Date of application	28.03.2024
File no.	462389/20-MINB1/03-2024
Project Type	New EC proposal
Category	B1
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for EC mining of stone from Uppalada Stone Quarry-III (Under Cluster Approach) Over an area of 5.90 Ha. or 14.578 Acre in Khata No.- 376, Plot No.- 1726 in Village/ Mouza- Uppalada, Tahasil-Paralakhemundi, District- Gajapati in favor of M/s Kapilash Infrastol Projects Pvt. Ltd.
Name of the company/Organization	M/s. Kapilash Infrastol Project Private Limited Sri Krutibas Swain, Project Manger
Location of Project	Village/ Mouza- Uppalada, Tahasil-Paralakhemundi, District- Gajapati
ToR Date	02.09.2022
Name of the Consultant	M/s. P & M Solution

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

- (i) This is a proposal for mining of stone from Uppalada Stone Quarry-III (Under Cluster Approach) Over an area of 5.90 Ha. or 14.578 Acre in Khata No.- 376, Plot No.- 1726 in Village/ Mouza- Uppalada, Tahasil- Paralakhemundi, District- Gajapati in favor of M/s Kapilash Infrastol Projects Pvt. Ltd.
- (ii) The mining area is a part of Survey of India Toposheet No. 74B/1 (E45GI) and is bounded between the Latitude - 18°49' 14.37" N to 18°49' 20.58" N & Longitude 84°10' 21.84" E to 84°10' 32.96E.
- (iii) The mining lease is an identified sairat source in the DSR. The Uppalada Stone Quarry-III sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Paralakhemundi to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- (iv) Documents submitted: -Form-1, PFR, DLC, EMP, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, topo map etc.
- (v) Whether submitted KML file of the lease area-Yes
- (vi) Whether submitted scrutiny fee-No
- (vii) Distance from nearest sanctuary/ESZ- Lakahri valley WLS-60.0 Km
- (viii) Whether the lease area coming in DLC report-No as certified by DFO, Paralakhemundi vide letter no. 5175 dt. 21.09.2023
- (ix) Whether the lease area reflecting in DSR-Yes
- (x) Method of mining-Semi-mechanized
- (xi) Distance from nearest road bridge-1.0 km, village road -0.46 km
- (xii) Whether it is part of cluster -Yes,
- (xiii) Whether EC obtained earlier-Yes, from SEIAA, Odisha vide letter no. 4318/SEIAA dt. 06.04.2018.
- (xiv) Date of approval of mining plan- the Joint Director of Geology, South Zone, Berhampur vide letter no..... dt.06.12.2023.

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- (xv) Production capacity per annum-9000 cum/annum (max.), total production in 5 years period-45000 cum. Geological reserve-1733805 cum and Mineable reserve-1199304 cum.
- (xvi) Whether the DSR has been prepared as per the MoEF& CC, Govt. of India Notification S.O. 3611(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020- No
- (xvii) A total of 07 projects are coming within 500 Meters of the Proposed Project, out of which 04 Projects are already approved (Uppalada Stone Quarry - I, IV, VIII, IX) and 03 Project are Operating Mines (Uppalada Stone Quarry - II, III, V area is 19.33 Ha) at village Uppalada, Tehsil Paralakhemundi, District Gajapati of Odisha over an applied area of 20.478 Ha. and Total Cluster Area is 39.811 Ha.
- (xviii) Any deficiencies/omission have been noticed in the above documents- Not submitted scrutiny fee.

2. The proposal was placed in the SEAC meeting held on 28.12.2023 and the SEAC approved the EIA/EMP report in cluster approach and recommended the following:
3. The SEIAA, Odisha may consider to grant Environmental Clearance to individual lease for **Uppalada Stone Quarry - I, IV, VIII, IX (under cluster approach of Uppalada Stone Quarry - I, II, III, IV, V, VIII, IX)** without referring to SEAC with specific conditions as per **Annexure - D** after receipt of individual applications from the lessee in cluster along with following documents.
4. The proposal was placed in 166th SEIAA meeting held on 07.05.2024 & 08.05.2024 after detailed deliberation, the Authority decided that the PP is required to submit the following clarification through the Mining Officer, Gajapati and Tahasildar, Paralakhemundi:
- Status of Uppalada Stone Quarry no.VI & VII in Uppalada village.
 - Why Uppalada Stone Quarry no. II, III, V were not included during Public Hearing held on 16.12.2022.
5. Now, the Mining Officer, Gajapati vide letter no. 429 dt. 07.06.2024 has submitted clarification with mentioned that the EC has applied for Uppalada Stone Quarry-I, IV, VIII & IX of area 20.478 Ha. and the rest 3 quarries of Uppalada Stone Quarry- I, II & V were in operation. During the application of TOR there was a little bit confusion regarding the apply process. SEIAA, Odisha has recommended us for applying the proposals as individual proposals instead of single proposal. Accordingly, we have applied the proposed quarries as an individual taking the total cluster area. We have also conducted the public hearing of total cluster area of 39.811 Ha. At that time the 3 quarries were in operation and 4 quarries are proposed for EC that's why it has mentioned in the minutes of Public Hearing as applied in the application but we have taken the total cluster area of 39.811 Ha. for overall process.

Decision Of Authority: Approved

After detailed deliberation in the matter, the authority decided to grant Environmental Clearance as issued to the earlier cluster proposals.

Member Secretary, SEIAA

APPROVED BY

Member, SEIAA

Chairman, SEIAA

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PARIVESH 1.0, AGENDA No.170.32

Proposal No.	SIA/OR/MIN/463729/2024
Date of application	08.05.2024
File no.	463729/29-MINB1/05-2024
Project Type	Fresh ToR proposal
Category	B1
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for ToR of Bhagabanpur Decorative Stone Mine over an area 21.578 Ha or 53.32Acres in Village Bhagabanpur under Tahasil Kukudahandi of Ganjam District, Odisha
Name of the company/Organization	M/s. Iliyas Granites Mohammed Irfan Razzak, Partner
Location of Project	Village Bhagabanpur under Tahasil Kukudahandi of Ganjam District, Odisha
ToR Date	NA
Name of the Consultant	M/s. Kalyani Laboratories Private Limited

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

1. The proposal was considered by the committee to determine the "Terms of Reference (ToR)" for undertaking detailed EIA study for the purpose of obtaining Environmental Clearance in accordance with the provisions of EIA Notification, 2006 and amendment thereafter.
2. This proposal is for Terms of Reference for EIA study for M/s Iliyas Granites for Bhagabanpur Decorative Stone Mines over an area 21.578 Ha. or 53.32Acres in Village - Bhagabanpur under Tahasil - Kukudahandi of Ganjam District of Sri Mohammed Irfan Razzak.
3. **Category:** As per EIA Notification, 14th September 2006 followed by subsequent amendments, the proposed project falls under Category B1 – Item no. 1 (a) – Mining of Minerals (Minor mineral >5.0 Ha.).
4. Mining lease of Bhagabanpur Decorative Stone Mines over an area of 21.578 hectares in Village - Bhagabanpur under Tahasil - Kukudahandi of Ganjam District, Odisha has been granted for a period of 30 years vide Letter No - 11984, dated 22.12.2022, in favour of M/s Iliyas Granites.
5. The Mining Plan along was approved by Director of Mines and Geology, Steel & Mines Department, Govt. of Odisha, Bhubaneswar MXXII-(b)-04/2023/7869/ DoMG on dated 09.06.2023 for a period of five years.
6. This is a new mine and there are other 5 no. of mines located within 500radius of the proposed lease area. All the five mines of the cluster has obtained environment Clearance from SEIAA, Odisha.

Sl No.	Name of the Mine	Area (in Ha.)	Status of EC
1	Bhagabanpur Decorative Stone	40.198	EC granted vide letter no: 8001/SEIAA dated. 20.03.2020
2	Bhagabanpur Decorative Stone	17.547	EC Identification No: EC22B001OR125277 dated 07.04.2022
3	Bhagabanpur Decorative Stone	24.225	EC granted vide letter no: 774/SEIAA Dated 09.03.2021
4	Bhagabanpur Decorative Stone	7.547	EC granted vide letter no: 3342/SEIAA Dated 24.07.2017
5	Bhagabanpur Decorative Stone	31.808	EC Identification No: EC22B001OR151903 dated 13.04.2022

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7. The Lease Area is 21.578 Ha. or 53.62 Acres and the proposed project site is a non-forest waste land (Abada Ajogya Anabadi).

8. The sarat source is in process of inclusion in approved DSR.

9. **Location and connectivity:** The proposed project is situated at Village-Bhagabanpur, Tahasil-Kukudahandi, District-Ganjam, Odisha-State. The site falls under Toposheet No. E45A11. The geographical co-ordinates are Latitude - 19°20'04.10"N to 19°20'24.50"N & Longitude - 84°43'15.70"E to 84°43'33.10"E. The highest altitude at 260mRL & the lowest altitude at 145mRL are available in the area. The nearest Highway is SH 29 at 2.40 Km & NH 59 at 4.90 Km. Nearest Railway Station - Berhampur Railway Station: 9.0 Km. Nearest Air Port - Rangeilunda Airport: 17Km, Intersect Boundaries of Odisha – Andhra Pradesh at 20.0 Km, Nearest River - Ghoda River - 12.30Km, Nearest Canal - Ichhapuram Canal at 1.15Km, Nearest Reserve Forest - Ramguda Reserve Forest at 1.40Km, Nearest Sanctuary - Lakhari valley Wild life at 30.50Km, Ghodahada Dam-30.50km, Army Air Defence Centre at 19.60Km, Nearest City – Berhampur 9km.

10. Total reserves and production:

Geological Reserve of Rock mass:	127,09,060 m ³
Geological Reserve of Decorative stone:	37,85,807 m ³
Mineable reserve of Rock Mass:	78,15,908 m ³
Mineable reserve of Decorative Stone:	23,44,772 m ³
Proposed Production of Rock Mass:	20020 m ³
Proposed production of Decorative stone:	6006 m ³

11. Production Plan:

Year	Total Volume of excavation (m ³)	Volume of waste / rejects @ 70% (m ³)	Volume of Decorative Stone (Block & Khanda) @ 30% (m ³)
1st Year	20020	14014	6006
2nd Year	20020	14014	6006
3rd Year	20020	14014	6006
4th Year	20020	14014	6006
5th Year	20020	14014	6006
Total	1,00,100	70,070	30,030

12. **Method of Mining:** Opencast and semi mechanized method with the deployment of machines like jack hammer drill, compressor, hydraulic excavators & tippers. Blasting is not required for the production of blocks. Decorative stone will be detached from the country rock by using wire saw cutting. The drilling will be done in a regular pattern with a maximum depth of 3m. Removal of waste materials, block cutting, dressing, splitting, loading & transportation of blocks and waste disposal. Width and height of the bench will be 6m x 6m. Ultimate depth of mining will be 146 mRL.

13. **Transportation:** The loaded vehicles will travel 900m of haulage road to meet the Maa Mahuri Kalua Road. Maa Mahuri Kalua Road is directly connected to the SH-17 at a distance of 4.25km. The trucks will travel a total distance of 5.15km from the lease area to meet the SH-17.

14. **Waste generation and management:** During the proposed plan period, a total of 70070 m³ of waste or 84084m³ swollen (swell factor of 1.2) will be generated due to course of mining. Out of all waste, 80% of the waste /rejects i.e. 56,056m³ will be utilized for maintenance and construction of the haul road, approach and existing roads in the surrounding areas periodically. The remaining wastes i.e. 14,014m³ will be confined to be dumped temporarily on the demarcated area nearer to the southern boundary in the M.L. area over 0.493 hectares at an average of 3m height maintaining the overall slope of the dump at 220.

15. **Baseline Study Monitoring:** The Baseline Study has been conducted in the period March to May 2024.

16. **Water requirement:** Total water requirement for the project will be 5.2 KLD out of which 1.2KLD will be required for drinking and domestic purpose and 2 KLD for plantation and 2 KLD for dust suppression purpose. It is proposed to tap this quantity of water as per suitability.

17. **Power requirement:** No electricity connection within ML area. However solar lights will be employed for day today living purposes. Diesel requirement of 6000litters/month for operation of mining equipment and DG sets.
18. **Greenbelt:** They have proposed for green belt development of 3000 nos. saplings over an area of 1.642 Ha. along the periphery of the quarry lease area during the plan period.
19. **Manpower requirement:** Administrative & supervisory personal will be 5 nos. and 7 nos. of skilled, 24nos. of semi-skilled and 2 nos. of unskilled category will be employed under skilled, semi-skilled & un-skilled in the mine.
20. **Project cost:** The total project cost of the mining is 400 Lakhs. The capital cost of EMP will be 40 Lakhs.
21. **Environment Consultant:** The Environment consultant **M/s Kalyani Laboratories Private Limited, Bhubaneswar** along with the proponent made a presentation on the proposal before the Committee.

Whether SEAC recommended the proposal- The proposal was placed in the SEAC meeting held on 10.06.2024 and the SEAC Considering the information / documents furnished by the proponent and presentation made by the consultant **M/s Kalyani Laboratories Private Limited, Bhubaneswar**, the SEAC prescribed the following specific ToRs in addition to standard ToRs as per **Annexure – A** for conducting detailed EIA study.

- Submit the supporting documents/ DSR documents supporting the fact that the present lease has recently identified and was not included in the cluster of other 5 nearby mines previously with proper justification.
- Submit the approved DSR after inclusion of the present sairat source in it.
- Revised KML file showing all 5 nearby mines in cluster.
- Submit a report from the Steel and Mines Deptt. regarding the total mineralized area in that region.
- Submit waste disposal management system and its re-utilization process adopted.
- Submit traffic study report vetted by Institute of repute.
- For withdrawal of water through rain water harvesting system, a pit to be dug-out at the lowest elevation point and to be used for rain water storage. Submit a detail proposal for Rain Harvesting Method.
- Certificate from concerned DFO that there is no involvement of Forest land.

Decision Of Authority: ADS

After detailed deliberation in the matter, the authority decided that the PP is required to submit the approved DSR by competent authority i.e. by SEIAA, Odisha.


Member Secretary, SEIAA

APPROVED BY


Member, SEIAA


Chairman, SEIAA



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PARIVESH 1.0, AGENDA No.170.33

Proposal No.	SIA/OR/INFRA2/466913/2024
Date of application	22.03.2024
File no.	466913/19-INFRA2/03-2024
Project Type	Fresh ToR proposal
Category	B1
Project/Activity including Schedule No.	8(b) Townships/ Area Development Projects / Rehabilitation Centres
Name of the Project	Proposal for ToR of M/s Jindal Stainless Park Limited for Stainless Steel Downstream Industrial Park Project over an Built-Up Area 5,24,342.6 m ² Village Solagadia & Nabanga, P.S. No. Jaipur Road 237 & 238, Tehsil - Dunagadi, Kalinganagar, District - Jajpur of Sri Debasis Mahapatra
Name of the company/Organization	M/s Jindal Stainless Park Limited of Sri Debasis Mahapatra
Location of Project	Village Solagadia & Nabanga, P.S. No. Jaipur Road 237 & 238, Tehsil - Dunagadi, Kalinganagar, District - Jajpur
ToR Date	NA
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.

1. The proposal was considered by the committee to determine the "Terms of Reference (ToR)" for undertaking detailed EIA study for the purpose of obtaining environmental clearance in accordance with the provisions of EIA Notification, 2006 and amendment thereafter.
2. This proposal is for Terms of Reference of M/s Jindal Stainless Park Limited for Stainless Steel Downstream Industrial Park Project over an Built-Up Area 5,24,342.6 m² Village Solagadia & Nabanga, P.S. No. Jaipur Road 237 & 238, Tehsil - Dunagadi, Kalinganagar, District - Jajpur of Sri Debasis Mahapatra.
3. **Category:** As per EIA Notification, 14th September 2006 followed by subsequent amendments, the proposed project falls under Category B1 – Item no. 8 (b) - Townships and Area Development Projects.
4. M/s Jindal Stainless Park Limited (JSSPL) proposes the Stainless Steel Downstream Industrial Park Project on land measuring 271.88 acres. The project site is located at Village-Solagadia & Nabanga, P.S. No. Jaipur Road-237 & 238, Tehsil-Dunagadi, Kalinganagar, District –Jajpur, Odisha.
5. The Total land area is 11, 00, 340m² (271.88 acres) and built-up area is 5,24,342.6 m².
6. JSSPL proposes to establish a stainless-steel service center as an Anchor tenant in the downstream industrial park along with other potential investors to produce value added products.
7. The project comprises the plots for Anchor investor and other industrial plot owners. The anchor investor the owners of Jindal Stainless Park Limited. Anchor investors & Other industrial plot owners will manage and maintain their own plots.
8. **Location and connectivity:** The proposed project is situated at P.S. No. 237 & 238, Jaipur Road, Tehsil - Dunagadi, Kalinganagar, District – Jajpur Odisha State. The site falls under Toposheet No. F45U1. The geographical co-ordinates are Latitude - 20°55' 37.839" N & Longitude - 86°4' 46.539" E and Kism of land: Patita. The Nearest Highway is SH-20 which is 3.40 km (N), NH-20 is 5.60 km towards NE direction, NH-53 which is 7 km (W), NH-720 is 11.80 km towards WNW direction, & NH- which is 14.70 km (S)

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direction away from project site. The nearest railway station, Jakhapur Railway Station is about 2 km (SW) away from the project site. The nearest Airport is Biju Patnaik International Airport at 79 km (SSW) from the project site. Nearest water body – Gonda Nadi: 0.30 km (NNE) of project site. Kharsua River: 3 km (S) of project site.

9. The site is coming under Kalinganagar Development Authority.

10. The total plot area is 11,00,340 sq.mt. / 271.88 Ac./ 110.034 ha with total built-up area is 5,24,342.6 sq.mt.

11. The Project will consist of following types of Plots:

- a) Plot type 1 (1 Acre)
- b) Plot type 1B (1 Acre odd shape)
- c) Plot type 2 (0.5 Acre)
- d) Plot type 2B (0.5 Acre odd shape)
- e) And Common Infrastructure Space

12. The project comprises of following facilities:

- a) Industrial Plots
- b) Anchor Investors
- c) Amenities & Utility Services
- d) Parking Facilities
- e) Common Industrial Space.

13. Estimated Population - 2709 persons.

14. The Building Area Details of the Project in tabulated form

Area statement

S. No.	Particulars	Area (Sqm)
1.	Site Area	11,00,340
2.	Proposed Ground Coverage (@46.56% of site area)	5,12,412
3.	Permissible FAR (@2.47)	27,17,839.8
4.	Proposed FAR (@45.38%)	4,99,422.6
5.	Non-FAR (Utility services and Amenities area)	24,920
6.	Proposed Built-Up Area	5,24,342.6
7.	Green Area Proposed (@15.5%)	1,70,373
8.	Parking Area Proposed	28,328

15. Land use breakup of the site

S. No	Description	Area (acre)	Percentage of Net site area (%)
1	Site Area	271.88	100
2	Services	6.2	2.3
3	Amenities	4.9	1.8
4	Parking	7.1	2.6
5	Anchor Investor	19.7	7.2
6	Industrial Plots	156.6	57.6
7	Roads, Drainage	35.3	13
8	Green area	42.1	15.5

Utility Services & Amenities

S. No.	Utility Services & Amenities (Sl. 5 & 6)	Size in Sq. Mtr	No of Floors	Build Up Area in Sq. Mtr
1	Over Head Tank	20	1	20
2	Water Treatment Plant	2000	2	4000



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3	Main Receiving Sub station	2400	2	4800
4	Load Break Switch Station	900	2	1800
5	Sewage Treatment Plant	1600	2	3200
6	Strom Water Collection Tank	1600	1	1600
7	Fire Fighting Building	800	2	1600
8	Admin Building	1500	3	4500
9	Safety & Security Building	1200	2	2400
10	Entry & Exit Monitoring	600	1	600
11	Emergency Medical facility	400	1	400
	Total in Sq. Metres	13020		24920

Remaining all facilities will be shed/single storied buildings.

16. Total land is 271.88 acres, and the Land has been allotted by IDCO (Odisha Industrial Infrastructure Development) to M/s Jindal Stainless Park Limited to set-up Stainless Steel Downstream Industrial Park.
17. They have obtained the allotment letter Vide-IDCO/HO/P&A-LA-E-4088/05 - 27897, dated: - 31.10.2022.
18. Raw materials - Finished good of SS 200, 300, 400 series in form of Coils and Sheets/plates from JSL/others and any other downstream products.
19. **Baseline Study Monitoring:** The Baseline Study has been conducted in the period December 2023 to February 2024.
20. **Water requirement and Waste water generation and its management:** Fresh water requirement for the project is 1143 KLD, Source of water is IDCO. For Groundwater extraction/usage and NOC/Clearance from CGWA/State Ground Water Department: Water will be extracted for domestic & Industrial usage and the permission for the same is in progress
21. Approx. 3581 KLD wastewater will be generated from the project. There will be no wastewater generation from Industrial process. Wastewater will be treated in an in-house STP of total capacity 3939 KLD (will install modular STP in phase manner). Treated wastewater will be used for flushing and horticulture. Discharge of treated wastewater quantity to nearest drain: 556 KLD of Treated effluent will be discharge external sewer after being reused in Flushing and Horticulture.

S. No.	Description	Quantity (Liters per day)	Unit	Persons	Population considering 3 no. of shifts per day	Industrial water (KLD)	Fresh water (KLD)
a)	Industrial Plot Type 1(1 acres)	4400	48	480	1440	633	108
b)	Industrial Plot Type 1A (0.8 - 1.5 acres)	4400	38	380	1140	501	87
c)	Odd, shaped plots Plot Type 2 (0.5 acres)	4400	114	1140	3420	1506	258
d)	Industrial Plot Type 2B (0.4-	4400	8	80	240	105	18

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	0.6 acres)						
e)	Anchor Investor	1,50,000	1	100	300	450	24
f)	Amenities and Social Infrastructure		1	400	1200	Nil	90
g)	Visitors			129	387	Nil	30
h)	Landscape						51
							1
						Sub-Total	3195
						Grand Total Water Demand	4321 KLD

Waste Water Calculation

S. No.	Water	Quantity (KLD)
1)	Domestic Water	3810
	Potable (@30%)	1143
	Flushing (@70%)	2667
2)	Waste water (@80% Potable + 100% Flushing)	914 + 2667 = 3581
3)	STP Capacity	3939 KLD

22. **Power requirement:** The total maximum demand is estimated as 50,300 kW. **Source:** State Electricity Board. **DG sets details:** There is provision of 3 no. of DG set of capacity 3750 kVA which includes 2 x 500 kVA for the park and 1 x 750 kVA for the anchor unit are proposed for power back up. The DG sets will be equipped with acoustic enclosure to minimize noise generation and adequate stack height for proper dispersion as per CPCB norms.
23. **Details of Solar Power generation, consumption and its contribution in percentage (%) towards total power required in project:** The proposed Solar PV generation capacity of 5% of total electrical demand load of project. Total demand load of the project is 50,300 kW.
24. **Rainwater Harvesting** - 29841 m³/30 Rainwater Harvesting Pits will be provided considering peak hourly rainfall has been considered as 140 mm/hr.
25. **Parking Details** - Adequate provision will be made for car/vehicle parking at the project site. There shall also be adequate parking provisions for visitors so as not to disturb the traffic and allow smooth movement at the site. **Total proposed parking area is 28,732.68 m². Location of parking area to be provided: Surface Parking i.e.,**
Truck & Vehicle Parking Lot No. 1 = 90 Nos.
Truck & Vehicle Parking Lot No. 2 = 50 Nos.
Truck & Vehicle Parking Lot No. 3 = 56 Nos.
26. **Fire fighting Installations:** include Auxiliaries, hydrants Main (MSC class pipes) with Hydrant accessories like Fire Service Inlet, Fire Brigade Breaching (Siamese) Connections, Automatic Sprinkler system, Hydraulically operated Deluge system (Drencher system), Fire extinguishers, Fire Buckets, Transformer Room, LT Panel Room, Underground and Terrace tanks, pumps etc.
27. **Greenbelt:** Total green area measures 1,70,373m² (15.5% of plot area). Evergreen tall and ornamental trees have been proposed to be planted inside the premises. No. of trees required as per MoEF&CC norms @ 2500 trees/hectare = 42,475 trees. No. of trees proposed to be planted = 42,500 trees.
28. **Solid wastes and its management:** Solid waste would be generated both during the construction as well as operation phase. The solid waste expected to be generated during the construction phase will comprise of excavated materials, used bags, bricks, concrete, MS rods, tiles, wood, etc. which would be managed in accordance with Construction & Demolition Waste Management Rules, 2016. The following steps are proposed to be followed for the management of solid waste:

- Construction yards are proposed for storage of construction materials within site

- The excavated material such as topsoil and stones will be stacked for reuse during later stages of construction
- Top soil will be stored in temporary constructed soil bank and will be reused for landscape development and
- Remaining soil shall be utilized for refilling / road work / rising of site level at locations/ selling to authorize agency for disposal at designate sites

29. During the operation phase, approx. 2.36 ton/day of domestic waste will be generated. Additionally, approx. 5 MT/year of solid waste in the form of dust will be generated from the Service centre which will be disposed through a local approved vendor.

S. No.	Type of waste	Population (considering 3shifts per day)	Norms (kg/capita/day)	Total waste (Kg/day)
1.	Domestic waste			
	Staff	7740	0.25	1,935
	Visitors	387	0.15	58
2.	Horticulture waste	42.1 acre	0.2 kg/acre/day	8
3	STP Sludge		0.35 x 290 x 3581/1000	363
	Tot al			2364

30. **Manpower requirement:** Administrative & supervisory personal will be 5 nos. and 7 nos. of skilled, 24nos. of semi-skilled and 2 nos. of unskilled category will be employed under skilled, semi-skilled & un-skilled in the mine.
31. **Project cost:** The estimated project cost is 147 Crores and cost for EMP is 221.72 Lakhs as Capital Cost and 64.43 Lakhs as Recurring cost.
32. **Environment Consultant:** The Environment consultant **M/s Grass Roots Research & Creation India (P) Ltd. Noida** along with the proponent made a presentation on the proposal before the Committee.

Whether SEAC recommended the proposal- The proposal was placed in the SEAC meeting held on 10.05.2024 and the SEAC Considering the information / documents furnished by the proponent and presentation made by the consultant **M/s Grass Roots Research & Creation India (P) Ltd. Noida**, the SEAC prescribed the following specific ToRs in addition to standard ToRs as per **Annexure – A** for conducting detailed EIA study.

- i) Submit the copy of Land documents given by IDCO.
- ii) Increase the green belt from 15.5% to 20% of the total plot area as per norms. The greenbelt to be provided along the outer periphery of the plot along the boundary the spacing maybe reduced to 2m x 2m to accommodate more trees and should be planted on a hierarchical pattern.
- iii) The ground coverage to be limited to maximum 40%.
- iv) Clear site layout showing all features of the project and distance from road.
- v) Revisit the population details for the project and also submit on what basis its has been calculated.
- vi) Revisit water balance w.r.t the total population in the project.
- vii) Revisit solid waste management w.r.t the total population in the project.
- viii) Permission from Water Resource dept. for usage of ground water to be taken along with NOC/Permission from CGWA.
- ix) Revisit the configuration/technology of STP w.r.t medium for separation of oil and grease wastes.
- x) Details of waste water Treatment Plant.
- xi) Submit waste disposal management system and its re-utilization process adopted if any.
- xii) Submit traffic study report vetted by Institute of repute.
- xiii) The Waste Water Treatment Plant, STP, DG set's location, greenbelt, common facilities, parking area, drainage system for individual unit and common drainage network all to be marked. in the



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comprehensive layout plan. The plan to discharge excess treated sewage water during operational phase of the project and storm water from the project site to the nearest public drain also to be submitted.

- xiv) Details of Surface Runoff and its management.
- xv) Disaster Management Plan for the project to be prepared in case of floods or cyclones.
- xvi) The greenbelt to be provided along the outer periphery of the plot along the boundary the spacing may be reduced to 2m x 2m to accommodate more trees and should be planted on a hierarchical pattern.
- xvii) Efforts for Energy Conservation in the project as per Bureau of Energy Conservation in line with Energy Conservation Act, 2003 to be submitted for the project.
- xviii) Disaster Management Plan for the project may be prepared and submitted as per Disaster Management Act, 2005.

Decision Of Authority: ADS

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

1. The PP is required to clarify why the proposal shall not be treated under category 7(c) of EIA Notification i.e. industrial parks/complexes /area.

Member Secretary, SEIAA

APPROVED BY

Member, SEIAA

Chairman, SEIAA