



**PARIVESH 1.0, AGENDA No.173.01**

Proposal No.	SIA/OR/INFRA2/443135/2023
Date of application	10.11.2023
File no.	443135/598-INFRA2/11-2023
Project Type	New EC proposal
Category	B1
Project/Activity including Schedule No.	7(da) Bio-Medical Waste Treatment Facilities
Name of the Project	Proposal for EC for Proposed Common Biomedical Waste Treatment Facility (CBWTF) at Plot no. 155/1020 and 15/1025, Village: Jamapalli, Tehsil: Binika, District: Subarnapur, State: Odisha by M/s Bio-Tech Solutions.
Name of the company/Organization	Bio-tech Solutions Rajendra Kumar Sahu, Managing Partner
Location of Project	Village: Jamapalli, Tehsil: Binika, District: Subarnapur, State: Odisha
ToR Date	28.07.2022
Name of the Consultant	M/s. Gaurang Environmental Solutions Pvt. Ltd, Jaipur

**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 M/s. Bio-Tech Solutions for Common Biomedical Waste Treatment Facility (CBWTF) at Plot no. 155/1020 and 15/1025, Village: Jamapalli, Tehsil: Binika, District: Subarnapur of Sri Rajendra Kumar Sahu.
2. **Category:** This project falls under Category "B" of Project activity 7 (da) - Development of Common Bio Medical Waste Treatment Facility projects as per EIA Notification dated 14th Sept, 2006 as its amendments.
3. **TOR details:** Terms of Reference was issued by SEIAA, Odisha vide letter No. 4959/SEIAA dated 28.07.2022 for the proposed project.
4. **Location and connectivity:** The proposed project is located at Plot No. 155/1020 and 15/1025, Village: Jamapalli, Tehsil: Binika, District: Subarnapur, State: Odisha. The geographical co-ordinates of project site are 21° 5'20.87"N to 21° 5'21.12"N and 83°45'41.75"E to 83°45'45.60"E. It falls under Toposheet no.: 64Q12, 64Q16, 64P9 & 64P13. The nearest residential area is Village: Jamapalli at 600 m towards SW direction and nearest town is Binika town at 10 km towards SSE direction. The nearest highway is NH-126A at a distance of 1.18 Km in North Direction. The nearest Railway Station is Dugripalli Railway Station at a distance of 22.0 Km in West direction. The nearest Airport is Veer Surendra Sai Airport, Jharsuguda at 96 KM NNW direction & Biju Patnaik International Airport, Bhubaneswar at 232Km SE direction. The nearest water bodies are Jira River: 5.0 Km NE Direction, Mahanadi River: 7.5 Km SE Direction and Choki Nala: 7.5 Km S Direction. The nearest reserve forest is Singhijuba RF: 1.30 Km SW Direction, Ghatasan RF: 8.0 Km SE Direction and Bishalbari PF: 9.0 Km S Direction.
5. There are no National Park/Wildlife Sanctuary/ Eco-sensitive zone are within 10 km radius of the Project Site.
6. **List of Statutory Clearances:**
  - a. Consent to establish has been obtained vide consent no. 6053/IIICON (NOC)/164/2021-22 dated 18.11.2021.
  - b. Letter from DFO obtained vide office order no. 289/4F (Mjse) dated 30.11.2021.
7. **Public hearing details:** The Public hearing was conducted successfully on 28.06.2023 at 10.00 AM in the weekly market ground of Sanindpur village.

**Baseline study conducted:** Baseline study was conducted during Pre-Monsoon season of 2022 i.e. from 1<sup>st</sup> March 2022 to 31<sup>st</sup> May 2022.

a) **Ambient Air monitoring:** - PM<sub>10</sub> is within range of 50 µg/m<sup>3</sup> to 70.4 µg/m<sup>3</sup>, PM<sub>2.5</sub> is within range of 12.5 µg/m<sup>3</sup> to 44.5 µg/m<sup>3</sup>, SO<sub>2</sub> is within range of 11.2 µg/m<sup>3</sup> to 23.7 µg/m<sup>3</sup> and NO<sub>x</sub> is within range of 12 µg/m<sup>3</sup> to 27.3 µg/m<sup>3</sup>.

b) **Water quality monitoring:** The result of surface water samples collected shows that the pH varies from 7.53 to 7.79, Total Hardness varies from 197.26 to 716.82 mg/l, Total Dissolved Solids varies from 341 to 862 mg/l, BOD varies from 10.0 to 29.0 (mg/l), COD varies from 24.21 to 67.0 (mg/l). The result of ground water samples collected shows that the pH varies from 7.52 to 7.75, Total Hardness varies from 149.38 to 226.79 mg/l, Total Dissolved Solids varies from 270 to 381 mg/l and Fluoride content varies from 0.2 mg/l to 0.23 mg/l.

c) **Ambient Noise monitoring:** Minimum and maximum noise levels recorded during the day time were from 48.86 Leq Db and 53.18 Leq Db respectively and minimum and maximum level of noise during night time were 39.76 Leq Db and 43.72 Leq Db.

d) **Soil monitoring:** The pH of the samples ranged from 7.25 to 7.41, which is slightly to moderately alkaline, Organic matter ranges from 0.29% to 0.45%, the concentration of Nitrogen ranges from 143.56 Kg/ha to 190.84 Kg/ha, Phosphorus ranges from 11.67 Kg/ha to 27.11 Kg/ha and Potassium ranges from 176.11 Kg/ha to 201.94 Kg/ha.

9. **Water requirement:** The total water requirement for the proposed project will be 9 KLD (Fresh water 5.5 KLD + Treated water 3.5 KLD). Water will be sourced from Ground Water. Out of the total water requirement 3.5 KLD will be used for washing purpose i.e. vehicle washing & area washing, 2.0 KLD will be used for the scrubber, 1.5 KLD will be used for the Domestic consumption and 2.0 KLD will be used for the Greenbelt development.

10. **Wastewater details:** Total effluent generation would be 5.0 KLD which will be treated with the help of ETP and the treated water will be used for Greenbelt development, Scrubber and Washing. Domestic waste water will be treated with the help of the Septic tank followed by Soak pit.

Sl. No.	Particulars	Water Requirement (KLD)	Fresh Water	Treated Water	Effluent Generated	Treatment
1.	Vehicle Washing	3.0	2.0	1.0	3.0	6 KLD of ETP with ZLD Concept is Proposed for Wastewater treatment
2.	Scrubber	2.0	2.0	-	2.0	
3.	Greenbelt	2.0	-	2.0	-	
4.	Area Washings	0.5	-	0.5	-	
5.	Domestic	1.5	1.5	-	-	Septic Tank followed By Soak pit
Total		9.0	5.5	3.5	5.0	

11. **Power requirement and solar power details:** Total power requirement for the proposed project would be approx. 150 kVA which will be sourced from TP western Odisha Distribution Limited (TPWODL). Additionally, 1 No. of DG set will be provided of capacity 75kVA to be used in case of power supply failure/emergency.

12. **Solar Power generation:** About 3000 sq. ft. roof top area will be there, which will be used for installation of solar panels for generation of 15 kVA electricity generation which will be 0.1% of the total power consumption.



13. **Rainwater harvesting details:** As the proposed facility is for management of infectious biomedical waste, there are possibilities rainwater getting contaminated at site hence rain water recharge pits shall not be installed. Proper storm water drainage system shall be laid to ensure and prevent any contamination before disposal into natural drain or collection tank for its use for washing or maintaining green areas.
14. **Solid waste generation:** Municipal Solid waste of quantity approx. 3.75 kg/day will be generated (considering 0.125 kg/person). Hazardous waste like Used oil (0.5 TPA), Incineration waste (15-20 kg/hr) and ETP sludge (80-100 kg/month) of hazardous waste will be generated.
15. **Mitigation of solid waste produced:** Municipal solid waste will be segregated into organic and inorganic waste. Organic waste will be managed by composting whereas inorganic waste will be sent to authorize waste management agency.

Schedule	Type of the Hazardous waste	Quantity	Mode of Disposal
5.1	Used Oil	0.5 TPA	Reused as lubricant in plant and machinery/ send to authorized recyclers.
36.2	Incineration Ash	15-20 Kg/hr	Send to TSDF site for land filling.
34.3	ETP Sludge	80-100 Kg/Month	Send to TSDF site for land filling.

16. **Greenbelt development:** Green belt will be developed over 33.36% area of the total plant area. Out of the 1.058 acre of the plant area, 0.353 acre will be developed for plantation. Considering 2500 nos of trees per ha, this CBWTF area will require 358 trees for raising greeneries around the unit. Hence, we are proposing total 360 trees. A budget of approx. Rs. 1.05 Lakh has been kept for green belt development.
17. **Total Employment:** Total 30 persons are proposed to hire for plant operations including officers, skilled and unskilled workers.
18. **Project cost:** The estimated project cost is 1.90 Crores and capital cost for EMP is 34.05 lakhs and recurring cost is 5.85 lakhs.

**Details of CER activities**

Sr. No.	Activities	Budgetary Details (in lakhs)
1.	Providing infrastructure facilities such as beds, medical instruments etc. to the medical centres in Adampur government hospital	1.0
2.	Distributions of Dust Bins and arrangement of Garbage disposal to local authorities.	0.20
3.	Solar light installation at village	1.0
Total		2.20

**Details of EMP activities**

Sr. No.	Particulars	Capital Cost (In Lakhs)	Recurring Cost (In Lakhs)
1	Solid & Hazardous Waste management	5.0	1.5
2	Water and Waste water management	10.0	2.0
3	Air Pollution Control & Monitoring System	15.0	1.5
4	Greenbelt Development	1.05	0.35
5	Occupational Health & safety, Fire Protection measures	3.0	0.50
Total		34.05	5.85

19. **Environment Consultant:** The Environment consultant M/s Gaurang Environmental Solutions Pvt. Ltd, Jaipur along with the proponent made a presentation on the proposal before the Committee on 02.12.2023.

# Minutes of 173<sup>rd</sup> Meeting of SEIAA, Odisha held on 06.08.2024 & 08.08.2024



10. The SEAC in its meeting dated 02-12-2023 decided to take the decision on the proposal after receipt of the following from the proponent. The proponent has furnished the compliance and the SEAC verified the same as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of SEAC
(i)	Permission from local authority for settling up of the proposed project.	Permission from the local authority i.e., Gram panchayat NOC is enclosed herewith as <b>Annexure 1</b> .	submitted
(ii)	Submit a detailed layout of the proposed project showing all process, materials storage, and handling units.	Detailed plant layout demarcating the process area, entry/exist. Vehicle washing area, Greenbelt etc. has been enclosed as <b>Annexure 2</b> .	Submitted
(iii)	Regarding disposal of the incinerator ash it is mentioned as landfill in the online documents. However, during the presentation it was mentioned for disposal at M/s. Re-Sustainability limited site (TSDf). The proponent needs to submit clarification in this regard.	No land filling has been proposed at the site. The Ash generated from incinerator will be handed over to the nearest TSDf site.	-
(iv)	Precautionary measures shall be undertaken for protection of adjacent agricultural lands and nearby school located at 400m. distance.	Details of precautionary measures to be implemented for protection of adjacent agricultural lands and nearby school located at 400m distance are enclosed as <b>Annexure 3</b> .	complied
(v)	A buffer zone of 500m needs to be demarcated around the project site as per CPCB guidelines.	Map demarcating buffer zone of 500m around the project site is enclosed as <b>Annexure 4</b> .	complied
(vi)	Details of the wastewater treatment system/technology adopted with inlet and outlet water parameters.	Details of the wastewater treatment system/technology proposed to be installed along with (As it is a proposed Greenfield project) outlet water parameters are enclosed as <b>Annexure 5</b> .	complied
(vii)	Precautionary measures to be undertaken during transportation of the biomedical waste as well as their storage and handling from their source of generation.	Precautionary measures proposed to be implemented for transportation of biomedical waste as well as their storage and handling from their source of generation is enclosed as <b>Annexure 6</b> .	complied
(viii)	Specific measures to be followed by the M/s. Re-Sustainability limited for handling the incinerator waste for disposal.	The details of clarification for disposal of the Incineration waste at M/s Re-Sustainability limited are enclosed as <b>Annexure 7</b> .	complied
(ix)	Precautionary measures followed for storing the diesel at the project site.	Diesel will be stored at project site following below mentioned precautionary measures. 1. Diesel will be stored in drums under covered storage. 2. Only trained and experienced personnel will be deployed for handling operations of Diesel.	-





		<p>3. All safety precautions will be taken at the storage area of the Diesel.</p> <p>4. Fire protection measures and fire extinguishers will be provided at the area.</p> <p>5. Emergency evacuation and response plan will be made and will be implemented in case of emergencies.</p>	
(x)	<p>The proposed site is located within 75 K.M. from another existing CBWTF at Balangir. A petition has been received from the proponent of CBWTF at Balangir not to allow this proposed CBWTF at Binika, Dist. Subarnapur as same is not confirmed to the siting criteria as per CPCB guidelines. The PP has to clarify as to why this proposal shall not be rejected due to non-confirm to the siting criteria. A detailed writeup in this regard shall be submitted.</p>	<p>Detailed write-up in regards of the proposed site located within 75 K.M from another existing CBWTF at Balangir is enclosed as <b>Annexure 8</b>. The project proponent has clarified the following:</p> <ul style="list-style-type: none"> <li>Distance from other CBWTFs is not less than 70 kms.</li> <li>In this point there are other CBWTFs in other states are very nearest, and those comes under same district of a state nearing about 2 kms distance on road way and those have been granted with the "Environment Clearance" for set up of CBWTF and the detailed are presented in the next points showing the nearest CBWTFs within the radius of 70 kms. On road way where the air distances will be naturally less than road ways. The next point table shows the clear idea about the nearer to nearest CBWTFs has been operating and has obtained EC.</li> </ul>	Justification submitted
<p>2. <b>Whether SEAC recommended the proposal</b>—Yes, the proposal was placed in the SEAC meeting held on 30.01.2024 and the SEAC After detailed discussion, the SEAC <b>recommended to return the proposal to SEIAA, Odisha</b> with a request to seek clarification from CPCB, Delhi whether EC can be granted to this CBWTF as per clarification given by the project proponent indicating that EC has been granted in other CBWTF of other State within a distance of 2 kms from another CBWTF.</p> <p>3. The proposal was placed in 163<sup>rd</sup> SEIAA, Odisha meeting held on 18.04.2024 &amp; 19.04.2024 and after detailed deliberation in the matter, the authority decided to seek clarification / information on the following:</p> <p>(i) The PP is required to explain why the application shall not be rejected in terms of the Common Biomedical Waste Treatment and Disposal Facility Guidelines, 2016 of CPCB. The PP has submitted ADS reply vide letter no. 32/BTS/2024 dt. 02.05.2024.</p> <p>4. The proposal was placed in 167<sup>th</sup> SEIAA meeting held on 03.06.2024 and after detailed deliberation in the matter, the Authority decided that the proposal be Referred back to SEAC for their considered views on the ADS reply of the PP accordingly, the proposal was referred back to SEACC for re-examination.</p>			

**Minutes of 173<sup>rd</sup> Meeting of SEIAA, Odisha held on 06.08.2024 & 08.08.2024**



5. The proposal was placed in SEAC meeting held on 02.07.2024 and after detailed discussion, the SEAC reiterates its earlier recommendation to seek clarification from CPCB, Delhi whether EC can be granted in CBWTF as per clarification given by the project proponent indicating that EC has been granted in other CBWTF of other State within a distance of 2 kms from another CBWTF.

**Decision of Authority: Defer for next meeting**

After detailed deliberation in the matter, the Authority decided that the proposal be deferred for next meeting.

**APPROVED BY**

Member Secretary, SEIAA

Member, SEIAA

Chairman, SEIAA





**PARIVESH 1.0, AGENDA No.173.02**

Proposal No.	SIA/OR/MIN/424302/2023
Date of application	23.10.2023
File no.	42430/987-MINB1/11-2023
Project Type	Proposal for fresh EC
Category	B1
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal of EC for extraction of stone from Babupali Stone Quarry over an area of 20.63 acres or 8.35 Hectares bearing Khata No. 44 & 45 Plot No. 41,199,214, 216, 274 in the village Babupali, Tahasil Jujomura, District Sambalpur, State Odisha
Name of the company/Organization	Sri Murarilal Agrawal
Location of Project	village Babupali, Tahasil Jujomura, District Sambalpur, State Odisha
ToR issued date	09.04.2021
Name of the consultant	M/s. Cognizance Research India Pvt. Ltd., Noida

**1. Proposal in brief:**

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

- The SEAC in its meeting held on dated **02-12-2023** observed that the proposed Babupali Stone Quarry lease area consists of 4 nos. patches away from each other at significant distance. The distance between these 4 patches is more than 500meters as observed in kml file. The SEAC opined that the 4 nos. of patches having significant distance from each other cannot be considered as a single lease. Hence, it is decided to defer the proposal and consider the proposal for presentation after submission of clarification from concerned authority i.e. Tahasildar Jujomura/ Dept. of Steel and Mines regarding why these 4 small patches shall be considered as one single lease and not in cluster, as the distance between the 4 small quarries is more than 500meters.
- The proponent has furnished the compliance and the SEAC verified the same as follows:
  - The mentioned stone quarry was auctioned as a new source after due inclusion in DSR. The source is spread over four patches bearing khata No. 44 & 45, Plot No. 41, 199, 214, 216, 234 in village Babupali under Jujomura Tahasil of Sambalpur District, Odisha. The Public Hearing was conducted on 17.01.2023.
  - Finally, after completion of the required official procedure, the application for Environmental Clearance was made before the SEIAA, Odisha (File No- SIA/OR/MIN/424302/2023) and the date for the presentation for the EC was fixed. During the presentation, the point was raised regarding the inclusion of the four patched under one lease keeping in view the distance between different patched crossing 500m limit. Regarding this objection the below points may kindly be perused that
  - These different patched have been declared as one sairat source by the controlling authority before auctioning due to limited exposures of the building stone and has been incorporated in the DSR as one sairat although the separating distance between the isolated patch in the north west part (Patch – 1) and the Patch – 2 in the south east is around 900.



10. As cluster of these four patches has been declared as one sairat, auction has been made for the total cluster and the applicant has become the successful bidder for the cluster of these four patches.

11. Similarly, mining plan has been prepared and approved by the Authorized Officer for the cluster consisting of these individual four patches.

12. The latter, all procedures to be adopted for the cluster EC namely TOR, Public hearing etc. have been observed excepting the fact that the application has been made for a single source due to above mentioned reasons.

3. The SEAC in its meeting held on dated 30-01-2024 decided to call for a detailed presentation for the proposal.

4. The Project Proponent gave a detailed presentation on dated 10-06-2024.

5. This proposal is for Environmental Clearance for Babupali Stone Quarry over an area of 20.63 acres or 8.35 Hectares bearing Khata No. 44 & 45 Plot No. 41,199,214, 216, 274 in the village Babupali, Tahasil Jujomura, District Sambalpur of Sri Murarilal Agrawal.

6. **Category:** As per the EIA Notification dated 14th September 2006 and its subsequent amendments the proposed project falls under category B of Schedule in Item 1 (a) – mining of minerals.

7. The Mining Lease has been granted vide letter no. 2118 dated 26.11.2020 to Successful Bidder-Sri Murarilal Agrawal.

8. The Mining Plan of Babupali Stone Quarry Mining Project has been approved by Joint Director of Geology, O/o The Joint Director of Geology, Jail Chowk, Sambalpur, Odisha vide Memo no 157 dated 27.01.2021.

9. Terms of Reference (TOR), was issued by SEIAA, Odisha, vide proposal Letter No.- 1259/SEIAA did 09.04.2021.

10. **Public Hearing** was conducted on 17/01/ 2023 at At - Babupalli AWC, Mouza - Babupalli, R.I- Birshingharh, G.P Jhonkarpalli, Dist - Sambalpur, Odisha. The points of concern during the public hearing are employment opportunity, availability of raw materials/ construction materials, pollution due to mining, plantation near mining site & in village. A total amount of Rs. 80000 under CER Budget has been kept for issues raised during Public Hearing.

11. **Location and connectivity:** The mine lease area is located Babupali Stone Quarry lease located at Village- Babupali, Tahasil – Jujomura, District- Sambalpur, Odisha over an area of 8.35 ha. The ML has been allotted to Sri Murarilal Agrawal bearing Khata no. 44 & 45 plot no. 41,199,214, 216, 274. The geographical co-ordinates are Latitude -21°23'12.33"N to 21°23'19.90"N, Longitude - 84°04'04.02"E to 84°04'12.05"E. The Nearest approach road is 0.9 Km. Nearest National Highway is NH-42 is at a distance of 0.50 Km in SW. Nearest State Highway is SH-15 at a distance of 8.50 Km in NW. Nearest Airport- Bhubaneswar Airport, approx. 169 km in NE direction. Nearest River is Multi Jore River at a distance of 5.50 Km. in NW. Nearest reserve forest is Bandher Reserve Forest is at a distance of 0.75 Km in SE. Nearest Road Bridge is near Maneswar Road Bridge over Multi Jore River at a distance of 5.50 Km. in NW. The Nearest River Embankment is 5.50 Km in NW. Nearest Electric transmission line is 0.35Km from the Lease area. The Nearest Habitation is 0.2 Km in the N direction.

12. **Total reserves and production:** The total Geological Reserves is 547711.5 cum and Mineable Reserves is 377348 cum. The Proposed Production for the proposed project is 3431 cum /year.

13. **Year Wise Production and the Total Production:**

Year	Year Vol. of stone in (m <sup>3</sup> )
1st	3431
2nd	3431
3rd	3406
4th	3406



5th	3406
<b>TOTAL</b>	<b>17080</b>

**14. Method of Mining:** Mining will be carried out by opencast semi-mechanized method with adoption of drilling & blasting. Handling of rock mass will be done both manually & by excavators. The Proposed depth of mining is 1.5m as per approved mining plan.

Year	Year Vol. of stone in (m <sup>3</sup> )
1st	3431
2nd	3431
3rd	3406
4th	3406
5th	3406
<b>TOTAL</b>	<b>17080</b>

**15. Water requirement and wastewater management:** The water requirement is only 11.0 KLD which will be drawn from Bore well and hand pump for drinking while from sump for dust suppression and afforestation purpose.

Activity	Calculation	Round off Figure in KLD
Drinking	@ 10 lpcd per labor $10 \times 10 / 1000 = 0.05$ KLD	0.10
Dust Suppression	Total approach road to be water sprinkled = 720 m $350\text{m} \times 6\text{m} \times 0.5 \text{ lt water} \times 2 \text{ times} / 1000 = 2.1$ KLD	2.1
Plantation	4,230 plant (during plan period) @ 2 l./per plant = $4230 \times 2\text{lt} = 8460 / 1000 = 8.46$ KLD	8.5
<b>Total</b>		<b>10.7 or 11KLD</b>

**16. Baseline Study conducted** – Baseline study of the study area was conducted during Pre-monsoon from 1st March 2021 to 31st May 2021.

**17. Greenbelt:**

Year	Total Plantation	Plantation in safety barrier zone (2.3 ha)	Plantation along approach road and in buffer zone	Plantation in village consulting local authorities
1st	2,460	2,180	180	100
2nd	1,770	1500	170	100
3rd	Maintenance	Maintenance	Maintenance	Maintenance
4th				
5th				
<b>Total</b>	<b>4,230</b>	<b>3680</b>	<b>350</b>	<b>200</b>

**18. Solid Waste Management:** A total of 7319cum waste/rejects is likely to be generated during the plan period out of which 30% waste (3,334.5 cu.m) will be dump in South side of ML. The proposed dump will cover an area of 0.0285 ha, and height of 2m. Retaining wall will be constructed around the dump to prevent wash off of dump. About 70% waste (5123.3 cu.m) will be used in backfilling and construction and maintenance of haulage road of the proposed quarry.

**19. Manpower requirement** About 10-15 people will be employed in the proposed plant.

20. **Project cost** The approximate cost of the project comes around ₹40 lakh with EMP Cost of ₹ 12.4 Lakhs as Capital cost and ₹ 4.6 Lakhs as Recurring expenses/annum. 2% of Project cost used as CER Budget which is about ₹0.8Lakh is used for the Development of Temple, ₹0.8Lakh is used for the Development as per the public hearing action plan proposed.

S.N	Particulars	Amount (Lakh)	
		Capital	Recurring
1	Dust suppression	2.0	0.5
2	Plantation and its protection (@ Rs. 200/sapling- including fencing)	8.5	1.0
3	Personal Protective Equipment (@ Rs. 2000/PPE kit)	0.2	0.2
4	Environmental Monitoring (Air, water, soil, noise)	-	1.2 (0.5 lakh, 0.4 lakh, 0.20 lakh, 0.10 lakh)
5	Garland drain & settling tank	1.0	0.5
6	Haul road construction/ maintenance (Approach road, approx. 0.35 km)	0.7 (@ Rs. 2.0 Lakh/km)	1.2 (@ Rs. 300*200 days* 2 labor)
	<b>Total</b>	<b>12.4</b>	<b>4.6</b>

21. **Environment Consultant:** The Environment consultant M/s Cognizance Research India Pvt. Ltd., Noida along with the proponent made a presentation on the proposal before the Committee.

22. The Committee observed the following:

- The mining lease comprises of four patches in different locations and same cannot be considered as a single lease as boundary of the lease cannot be defined due to mineral deposit area is located in four different locations.
- This lease area can be separated as four leases and they have to apply afresh in cluster approach after obtaining approval from Steel and Mines Department for four different leases.
- Public hearing for the proposal shall be exempted as same has been already conducted and decision on grant of Environmental Clearance will be considered based on revised EIA / EMP report submitted in cluster approach. Public Hearing was conducted on 17/01/ 2023 At - Babupalli AWC, Mouza - Babupalli, R.I-Birshingharh, G.P Jhonkarpalli, and Dist - Sambalpur, and Odisha. The details of ML areas based on which public hearing was conducted needs to be stated while submitting revised EIA/EMP report in cluster approach.

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

2. **Whether SEAC recommended the proposal** – The proposal was placed in the SEAC meeting held on 10.06.2024 and the SEAC Considering the information / documents furnished by the proponent and presentation made by the consultant M/s Cognizance Research India Pvt. Ltd., Noida, the SEAC recommended to reject the proposal for the reason as pointed out below.

- The mining lease comprises of four patches in different locations and same cannot be considered as a single lease as boundary of the lease cannot be defined due to mineral deposit area is located in four different locations.
- This lease area can be separated as four leases and they have to apply afresh in cluster approach after obtaining approval from Steel and Mines Department for four different leases.
- Public hearing for the proposal shall be exempted as same has been already conducted and decision on grant of Environmental Clearance will be considered based on revised EIA/ EMP report submitted in cluster approach. **Public Hearing** was conducted on 17/01/ 2023 At-Babupalli AWC, Mouza - Babupalli, R.I-Birshingharh, G.P Jhonkarpalli, Dist - Sambalpur, Odisha. The details of ML areas





based on which public hearing was conducted needs to be stated while submitting revised EIA/EMP report in cluster approach.

**Decision of Authority: ADS**

After detailed deliberation, the Authority decided that the PP needs to clarify why the proposal will not be rejected on the basis of observation made by SEAC as follows:

- a) The mining lease comprises of four patches in different locations cannot be considered as a single lease as boundary of the lease cannot be defined due to mineral deposit area is located in four different locations.
- b) This lease area can be separated as four leases and they have to apply afresh in cluster approach after obtaining approval from Steel and Mines Department for four different leases.
- c) Public hearing for the proposal shall be exempted as same has been already conducted and decision on grant of Environmental Clearance will be considered based on revised EIA/ EMP report submitted in cluster approach. Public Hearing was conducted on 17/01/ 2023 At-Babupalli AWC, Mouza - Babupalli, R.I- Birshingharh, G.P Jhonkarpalli, Dist - Sambalpur, Odisha. The details of ML areas based on which public hearing was conducted needs to be stated while submitting revised EIA/EMP report in cluster approach.

**APPROVED BY**

**Member Secretary, SEIAA**

**Member, SEIAA**

**Chairman, SEIAA**



**PARIVESH 1.0, AGENDA No.173.03**

Proposal No.	SIA/OR/MIN/425695/2023
Date of application	03.10.2023
File no.	425695/352-MINB1/10-2023
Project Type	Proposal for fresh EC
Category	B1
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal of EC for extraction of sand from Chadhiapada Sand Quarry with proposed excavation of 5200 CUM/year of sand of Tahasildar Chikiti having an area of 5.090 Ha. Located at Khata No: 631, Plot No: 1079 & 1 At- Chadhiapada, Tahasil- Chikiti, District- Ganjam, Odisha.
Name of the company/Organization	Tahasildar, Chikiti
Location of Project	At- Chadhiapada, Tahasil- Chikiti, District- Ganjam, Odisha
ToR issued date	27.12.2021
Name of the consultant	M/s. Green Circle Inc.

**1. Proposal in brief:**

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

- (i) This is a proposal for mining of sand from Chadhiapada Sand Quarry with proposed excavation of 5200 Cum/year of sand of Tahasildar Chikiti having an area of 5.090 Ha. Located at Khata No: 631, Plot No: 1079 & 1 At- Chadhiapada, Tahasil- Chikiti, District- Ganjam, Odisha.
- (ii) The mining area is a part of Survey of India Toposheet No. 74A/7, 74A/8, 74A/11 & 74A/12 and is bounded between the Latitude-19°14'00.30"N to 19°14'17.08" N and Longitude - 84°31'06.90"E to 84°31'14.00" E bearing Khata no. 631, Plot No. 1079 & 01, KISSAM-NADI
- (iii) The mining lease is an identified sariat source in the DSR. The Chadhiapada Sand Quarry sariat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Chikiti 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, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, Chikiti, topo map etc.
- (v) Whether submitted KML file of the lease area-Yes
- (vi) Whether submitted scrutiny fee-No, as Tahasildar is the applicant
- (vii) Distance from nearest sanctuary/ESZ- Lakhari Valley WLS-461017.4 Km
- (viii) Whether the lease area coming in DLC report-No, as certified by DFO, Berhampur vide letter no. 390.4F dt. 12.04.2021
- (ix) Whether the lease area reflecting in DSR-Yes
- (x) Method of mining-Manual
- (xi) River-Bahuda, Depth of sand deposition-1.0 meter
- (xii) Distance from nearest road bridge-9.2 km, Village road-0.60 km
- (xiii) Whether it is part of cluster - No.
- (xiv) Whether EC obtained earlier-Yes. EC obtained earlier from SEIAA; Odisha vide letter no. 434 dt. 30.01.2016 and submitted EC compliance but not satisfactory.
- (xv) Date of approval of progressive mine closer plan- by the Deputy Director of Geology, South Zone, Berhampur vide letter no. 816 dt. 25.08.2021
- (xvi) Production capacity per annum-5200 cum/annum (max.), total production in 5 years period-26000 cum, Geological reserve-50332 cum and Mineable reserve-32900 cum.



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- (xviii) 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).
- (xviii) The project proposal was submitted to State Expert Appraisal Committee-SEAC for its appraisal. ToR was submitted on date 06 December 2021. Based on the data provided and meeting held on 17 December 2021, the state Expert Appraisal Committee, SEIAA has issued the Terms of Reference to Proposal No SIA/OR/MIN/67887/2021 vide letter no. 3679/SEIAA, dated 27.12.2021.
- (xix) The public hearing was conducted at village: Chadhiapada, Tehsil: Chikiti, District: Ganjam on 20.10.2022 at 11:00. Budget provision for public hearing issues of Rs. 1.0 Lakh in 1<sup>st</sup> year, 1.25 Lakh in 2<sup>nd</sup> year and 3.50 Lakh in 3<sup>rd</sup> year to be expend by the PP.
- (xx) The PP has submitted replenishment study report which is not done as per MoEF& CC guidelines and not in proper manner.
- (xxi) Total project cost is Rs.10 Lakh Capital cost for EMP is Rs. 1,25,000 and recurring cost for the same is Rs. 55,000/- and CER cost Rs. 20,000/annum.
- (xxii) Any deficiencies/omission have been noticed in the above documents- Nil


**2. Whether SEAC recommended the proposal** – The proposal was placed in the SEAC meeting held on 10.07.2024 and **the SEAC opinion that** the Project Proponent didn't attend thrice the SEAC meetings held on dated 20-10-2023, 21- 11-2023 and 10-07-2024, The SEAC decided to return the proposal to SEIAA.

**Decision of Authority: Rejected**

After detailed deliberation in the matter, the Authority decided to reject the proposal on the basis of SEAC recommendation.

**APPROVED BY**

  
Member Secretary, SEIAA

  
Member, SEIAA

  
Chairman, SEIAA



PARIVESH I.B. AGENDA No.173.04

Proposal No.	SIA/OR/MIN/249911/2022
Date of application	06.01.2023
File no.	249911/855-MINB2/12-2022
Project Type	New EC
Category	B2
Project/Activity including Schedule No.	I(a) Mining of Minerals
Name of the Project	Proposal for EC of Kamata Sand Bed over an area of 3.402 Acres or 1.377 Hectares having Khata No. 194, Plot No. 212 in the village Kamata, Tahasil Borigumma in district Koraput, State Odisha.
Name of the company/Organization	Tahasildar, Boriguma
Location of Project	village Jujumara, Dist: Sambalpur, Odisha.
ToR Date	N/A
Name of the Consultant	Nil

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

- This is a proposal for mining of sand from Kamata Sand Bed over an area of 3.402 Acres or 1.377 Hectares having Khata No. 194, Plot No. 212 in the village Kamata, Tahasil Borigumma in district Koraput, State Odisha.
- The mining area is a part of Survey of India Toposheet No. E44E12 and is bounded between the Latitude- 19°06'51.81"N to 19°06'58.15"N and Longitude – 82°38'41.15"E to 82°38'52.57"E bearing Khata no. 194, Plot No. 212, KISSAM-NADI
- The mining lease is an identified sairat source in the DSR. The Kamata Sand Bed sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Borigumma to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- Documents submitted: -Form-1, EMP, PFR, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, Borigumma, topo map etc.
- Whether submitted KML file of the lease area-Yes
- Whether submitted scrutiny fee-No, as Tahasildar is the applicant
- Distance from nearest sanctuary/E-SZ- Kanger Valley WLS-47.0 Km
- Whether the lease area coming in DLC report-No, NA
- Whether the lease area reflecting in DSR-Yes
- Method of mining-Manual
- River-Telingi River, Depth of sand deposition-2.0 meter
- Distance from nearest road bridge-0.30 km, Village road-0.50 km
- Whether it is part of cluster – No.
- Whether EC obtained earlier-No.
- Date of approval of mine plan- by the Joint Director of Geology, Zonal Survey, Koraput vide letter no. 2126 dt. 15.07.2020.
- Production capacity per annum-3020 cum/annum (max.), total production in 5 years period-15100 cum, Geological reserve-20586 cum and Mineable reserve-13752 cum.
- 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).
- The EMP cost of Rs.1.30Lakh/annum.
- Any deficiencies/omission have been noticed in the above documents- Nil



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2. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 19.07.2024 and the SEAC recommended granting EC valid from the date of EC accords upto lease period with standard and specific conditions. **However, EC shall be granted subject to submission of following:**
- i) Kml file is not submitted. Revised Kml file needs to be submitted.
  - ii) Revised mining plan considering the water stream is not submitted w.r.t. this query an undertaking is submitted. Hence, Revised mining plan considering the water stream to be submitted.

**Decision of Authority: Approved after submission of information**

After detailed deliberation, the Authority approved the proposal for grant of EC subject to submission of Revised mining plan.

**APPROVED BY**

  
Member Secretary, SEIAA

  
Member, SEIAA

  
Chairman, SEIAA



**PARIVESH I.B, AGENDA No.173.05**

Proposal No.	SEA/OR/MIN/246022/2021
Date of application	03.08.2023
File no.	246022/962-MINB2/08-2023
Project Type	Proposal for EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of Minerals
Name of the Project	Proposal for EC of Karanda Black Stone Quarry-7 over an area of 2.70 acres or 1.092 hectares bearing Plot No- 1643 & 1717 Khata No- 838 in Mouza Karanda, Tahasil Hindol, District Dhenkanal, State Odisha.
Name of the company/Organization	Tahasildar, Hindol, Dhenkanal
Location of Project	Mouza Karanda, Tahasil Hindol, District Dhenkanal, State Odisha
ToR Date	N/A
Name of the Consultant	N/A

**Proposal in brief:**

- i. The highlights of the proposal as ascertained from the application and as revealed from proceedings/discussion held during the meeting of SEAC/SEIAA, are given as under.
  - i) This is a proposal of EC for extraction of stone from Karanda Black Stone Quarry-7 over an area of 2.70 acres or 1.092 hectares bearing Plot No- 1643 & 1717 Khata No- 838, Kissam-Patharbani in Mouza Karanda, Tahasil Hindol, District Dhenkanal, State Odisha.
  - ii) **Category:** As per the EIA Notification, 2006 and its subsequent amendments, this project falls in category B under Schedule of activity 1(a)- Mining of Minerals.
  - iii) The mining area is a part of Survey of India Toposheet No. F45T6 and is bounded between the Latitude -20° 43' 30.96" N to 20° 43' 37.98" N and Longitude - 85° 21'48.47" E to 85° 21'55.41" bearing khata no. Khata no. Plot No- 1643 & 1717 Khata No- 838, Kissam-Patharbani.
  - iv) The mining lease is an identified sairat source in the DSR. The Karanda Black Stone Quarry-7 sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Jagannathprasad to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
  - v) Documents submitted: -Form-1, D.L.C., PFR, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, topo map etc.
  - vi) Whether submitted KMI, file of the lease area-Yes
  - vii) Whether submitted scrutiny fee-No as Tahasildar is the applicant.
  - viii) Distance from nearest sanctuary/ESZ- Kapilash WLS-37.0 Km
  - ix) Whether the lease area coming in DLC report-No, as clarified by Tahasildar, Hindol on dt. 03.12.2021
  - x) Whether the lease area reflecting in DSR-Yes
  - xi) Method of mining-Semi-mechanized and blasting will be involved.
  - xii) Distance from nearest road bridge-7.0 km, Odapada-Satmile road -1.2 km
  - xiii) Whether it is part of cluster -Yes; two mines are coming in single cluster of total cluster is 4.471 Ha and submitted cluster EMP.
  - xiv) Whether EC obtained earlier-No
  - xv) Date of approval of mining plan- the Joint Director Geology, Zonal Survey, Dhenkanal on 19.07.2021.





- xvi) Production capacity per annum-6010 cum/annum (max.), total production in 5 years period-30050 cum, Geological reserve-61911 cum and Mineable reserve-40041 cum and proposed depth of mining-5 m.
- xvii) Whether the DSR has been prepared as per the MoEF& CC, Govt. of India Notification S.O. 3611(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020- **No**
- xviii) EMP cost is Rs. 3.0 Lakh/annum
- xix) Any deficiencies/omission have been noticed in the above documents-**Nil**.
2. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 7<sup>th</sup>, 8<sup>th</sup>, 11<sup>th</sup> **September 2023** and the SEAC recommended to grant EC valid from the date of EC accorded up to the lease period with following additional conditions.
- Consent / NoC shall be obtained from the concerned authority if village road is to be used for transportation. The said road shall also be maintained by the lessee
  - In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured.
  - Plantation programme to be completed within first two years and to be maintained in remaining years.
  - Depth of Mining as proposed should not be beyond 6m from the ground level.
  - Mitigation measures for flying Rock for safety be put in place.
  - Stone quarry project proponent need to maintain periodic health check-up records of their employees and ensure use of face mask by workers in crushing and handling sections of the stone quarry for ensuring that working personnel are not affected by silicosis.
  - The boundary area of the deposit as per the revised / updated DSR to be defined by geo coordinates based on DGPS survey superimposed on the cadastral map.
  - Construction of garland drains retaining wall and settling tank should be ensured to prevent erosion during rainfall and to collect silt generated during the mining activity.
  - Air quality monitoring shall be carried out thrice in a year. (Season-wise).
  - From the KML file it is observed that a patch of water body (small pond) is there, if it is a permanent one, the PP needs to take up mining leaving this area which may be kept undisturbed.
3. The proposal was placed in 141<sup>st</sup> SEIAA meeting held on 01.11.2023 & 02.11.2023. The authority observed that there are 8 nos. of mines adjacent to Karanda village, 4 nos. of which are closed and 4 nos. are proposed for mining. After detailed deliberation in the matter, the authority decided that the DFO, Dhenkanal is required to examine whether this area comes under designated elephant corridor or whether any steps are required from wildlife conservation point.
4. The DFO, Dhenkanal vide letter no. 4969 dt. 01.08.2024 has clarified that Karanda Stone Quarry-7 lease area is not coming under designated elephant corridor but wild elephant are moving occasionally adjoining to the area. So, it is necessary to take adequate steps for the safeguard of wild animals without any harm along with the following conditions may kindly be imposed.
- The lease holder of the stone quarry should install the street light in the periphery are of the stone quarry.
  - The lease holder should distribute the high beam torch light in the locality.

**Decision Of Authority: Approved**

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

- Maximum depth of mining 6.0 meter and maximum quantity of extraction shall be limited to **6010 cum/annum** and total production in 5 years will be **30050 cum**.
- The EC is valid till validity of DSR or validity of lease period whichever is earlier.
- The lease holder of the stone quarry should install the street light in the periphery are of the stone quarry.
- The lease holder should distribute the high beam torch light in the locality.



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- The Grant of EC for further period will be considered after submission of approved DSR by SEIAA as per the MoEF& CC, Govt. of India Notification S.O. 3611(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020 and also as per the Hon'ble Supreme Court order vide its order dated 10.11.2021 in Civil Appeal Nos. 3661-3662 of 2020 (State of Bihar Vrs. Pawan Kumar and Others).
- The Project Proponent (lease holder) shall deposit Rs.1,00,000/-, with the respective District Environment Society for raising 200 plants (minimum @100 trees per Ha) of native species within 2 years in a suitable location adjoining to quarry.
- The PP will implement the EMP with a budgetary allocation of Rs. 3.0 Lakh/annum.

**APPROVED BY**

Member Secretary, SEIAA

Member, SEIAA

Chairman, SEIAA





## Minutes of 173<sup>rd</sup> Meeting of SEIAA, Odisha held on 06.08.02024 & 08.08.2024

### PARIVESH 1.0, AGENDA No.173.06

Proposal No.	SIA/OR/MIN/245876/2021
Date of application	03.08.2023
File no.	245876/961-MINB2/08-2023
Project Type	Proposal for EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of Minerals
Name of the Project	Proposal for EC of Karanda Black Stone Quarry-4 over an area of 8.35 acres or 3.379 hectares bearing Plot No- 1815 Khata No- 838 in Mouza Karanda, Tahasil Hindol, District Dhenkanal, State Odisha.
Name of the company/Organization	Tahasildar, Hindol, Dhenkanal
Location of Project	Mouza Karanda, Tahasil Hindol, District Dhenkanal, State Odisha
ToR Date	Nil
Name of the Consultant	Nil

#### Proposal in brief:

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

- i) This is a proposal of EC for extraction of stone from Karanda Black Stone Quarry-4 over an area of 8.34 acres or 3.379 hectares bearing Plot No- 1815 Khata No- 838 in Mouza Karanda, Tahasil Hindol, District Dhenkanal, and State Odisha.
- ii) **Category:** As per the EIA Notification, 2006 and its subsequent amendments, this project falls in category B under Schedule of activity 1(a)- Mining of Minerals.
- iii) The mining area is a part of Survey of India Toposheet No. F45T6 and is bounded between the Latitude -20° 43' 33.43" N to 20° 43' 43.31" N and Longitude - 85° 21'52.52" E to 85° 21'58.84" bearing Khata no. No- 838, Plot No.1815, Kissam-Patharbani.
- iv) The mining lease is an identified sairat source in the DSR. The Karanda Black Stone Quarry-4 sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Jagannathprasad to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- v) Documents submitted: -Form-1, D.L.C., PFR, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, topo map etc.
- vi) Whether submitted KML file of the lease area-Yes
- vii) Whether submitted scrutiny fee-No as Tahasildar is the applicant.
- viii) Distance from nearest sanctuary/ESZ- Kapilash WLS-37.0 Km
- ix) Whether the lease area coming in DLC report-No, as clarified by Tahasildar, Hindol on dt. 03.12.2021
- x) Whether the lease area reflecting in DSR-Yes
- xi) Method of mining-Semi-mechanized and blasting will be involved.
- xii) Distance from nearest road bridge-7.0 km, Odapada-Satmile road -1.2 km
- xiii) Whether it is part of cluster -Yes, two mines are coming in single cluster of total cluster is 4.471 Ha and submitted cluster EMP.
- xiv) Whether EC obtained earlier-No
- xv) Date of approval of mining plan- the Joint Director Geology, Zonal Survey, Dhenkanal on 19.07.2021.
- xvi) Production capacity per annum-7038 cum/annum (max.), total production in 5 years period-35190 cum, Geological reserve-334080 cum and Mineable reserve-254592 cum and proposed depth of mining-5 m.



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**

EMP cost is Rs. 3.0 Lakh/annum.

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

2. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 7<sup>th</sup>, 8<sup>th</sup>, 11<sup>th</sup> September 2023 and the SEAC recommended to grant EC valid from the date of EC accorded up to the lease period with following additional conditions.
  - a) Consent / NoC shall be obtained from the concerned authority if village road is to be used for transportation. The said road shall also be maintained by the lessee
  - b) In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured.
  - c) Plantation programme to be completed within first two years and to be maintained in remaining years.
  - d) Depth of Mining as proposed should not be beyond 6m from the ground level.
  - e) Mitigation measures for flying Rock for safety be put in place.
  - f) Stone quarry project proponent need to maintain periodic health check-up records of their employees and ensure use of face mask by workers in crushing and handling sections of the stone quarry for ensuring that working personnel are not affected by silicosis.
  - g) The boundary area of the deposit as per the revised / updated DSR to be defined by geo coordinates based on DGPS survey superimposed on the cadastral map.
  - h) Construction of garland drains retaining wall and settling tank should be ensured to prevent erosion during rainfall and to collect silt generated during the mining activity.
  - i) Air quality monitoring shall be carried out thrice in a year. (Season-wise).
  - j) SOP for blasting and lay out map for garland drain and silt management should be maintained by PP.
3. The proposal was placed in 141<sup>st</sup> SEIAA meeting held on 01.11.2023 & 02.11.2023. The authority observed that there are 8 nos. of mines adjacent to Karanda village, 4 nos. of which are closed and 4 nos. are proposed for mining. After detailed deliberation in the matter, the authority decided that the DFO, Dhenkanal is required to examine whether this area comes under designated elephant corridor or whether any steps are required from wildlife conservation point.
4. The DFO, Dhenkanal vide letter no. 4967 dt. 01.08.2024 has clarified that Karanda Stone Quarry-4 lease area is not coming under designated elephant corridor but wild elephant are moving occasionally adjoining to the area. So, it is necessary to take adequate steps for the safeguard of wild animals without any harm along with the following conditions may kindly be imposed.
  - i) The lease holder of the stone quarry should install the street light in the periphery are of the stone quarry.
  - ii) The lease holder should distribute the high beam torch light in the locality.

#### **Decision Of Authority: Approved**

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

- Maximum depth of mining 6.0 meter and maximum quantity of extraction shall be limited to **7038 cum/annum** and total production in 5 years will be **35190 cum**.
- The EC is valid till validity of DSR or validity of lease period whichever is earlier.
- The lease holder of the stone quarry should install the street light in the periphery are of the stone quarry.
- The lease holder should distribute the high beam torch light in the locality.
- 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



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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.2,00,000/-, with the respective District Environment Society for raising 400 plants (minimum @100 trees per Ha) of native species within 2 years in a suitable location adjoining to quarry.

➤ The PP will implement the EMP with a budgetary allocation of Rs. 3.0 Lakh/annum.

**APPROVED BY**

Member Secretary, SEIAA

Member, SEIAA

Chairman, SEIAA



## PARIVESH I.O, AGENDA No.173.07

Proposal No.	SIA/OR/IND1/442469/2023
Date of application	25.10.2023
File no.	442469/49-IND1/10-2023
Project Type	ToR proposal
Category	B1
Project/Activity including Schedule No.	3(a) Metallurgical Industries (ferrous and non-ferrous) i.e. Secondary metallurgical processing industry (Non-Toxic)-Process involving melting/heating based on gas/electric based furnaces
Name of the Project	Proposal for ToR for Expansion of Production Capacity from 24000 MTPA to 52000 TPA of M/s. Billets/Ingots by replacement of existing induction Furnace (5 Ton/Heat + 3 Ton/Heat) with 2 X 8 Ton/Heat Induction Furnace at Plot No. 19/1019, Goibhanga, P.O.-Kalunga, District- Sundargarh, Odisha by M/s Shri Radha Krishna Ispat Pvt Ltd.
Name of the company/Organization	Mr Arihant Jain, Director M/s. Shri Radha Krishna Ispat Private Limited
Location of Project	At-Goibhanga, P.O.-Kalunga, District- Sundargarh, Odisha
ToR Date	N/A
Name of the Consultant	M/S. Parivesh Environmental Engineering Services

- 1. Proposal in brief:** The highlights of the proposal as ascertained from the application and as revealed from proceedings/discussion held during the meeting of SEAC/SEIAA, are given as under.
- The proposal was considered by the committee to determine the "Terms of Reference (ToR)" for undertaking detailed EIA study for the purpose of obtaining environmental clearance in accordance with the provisions of the EIA Notification, 2006 and amendment thereafter.
  - This proposal is for Terms of Reference of M/s Shri Radha Krishna Ispat Pvt Ltd., for Expansion of Production Capacity of MS Billets/Ingots from 24000 TPA to 52000 TPA by replacement of existing induction Furnace (5 Ton/Heat + 3 Ton/Heat) with 2 X 8 Ton/Heat Induction Furnace over an area 3.04 acres at Plot No. 19/1019, Goibhanga, P.O.-Kalunga, District- Sundargarh of Sri Arihant Jain.
  - Category:** This is an existing project and is categorized under Category 'B' under Schedule Item 3(a)- Metallurgical Industries (ferrous and non-ferrous), of Gazette Notification dated 14<sup>th</sup> September, 2006 and its subsequent amendments.
  - M/s Shri Radha Krishna Private Limited is an existing industrial unit producing Pencil Ingots through Induction Furnaces of capacity 5 Ton/Heat & 3 Ton/Heat.
  - Location and connectivity:** The proposed project is of area 3.04 Acres (1.23 Ha) located at Plot No. 19/1019, Goibhanga P.O.-Kalunga, District- Sundargarh, Odisha. The project is bounded by Latitude 22°19'45.84"N and Longitude 84°44'39.18"E. The nearest Railway Station is Kalunga Railway Station which is located at about 1.2 km in SW direction and Rourkela Airport is at a distance of approx. 7.0 km in ENE direction from the project site. Nearest habitation is Village - Bijabahal - 0.3



km, NW. Nearest National Highway is NH-143, 4.0 Km in East Direction and nearest State Highway is SH-10 – 1.0 Km, North. Nearest Water Bodies are Longmohan Nadi is at 0.1km W and Sankh River is at 2.3km N. Nearest Protected Forest is Kacharu PF at 12.3km and nearest Reserve Forest is Sagor RF at 4.4km from the project site.

(vi) The renewal of last consent was granted by State Pollution Control Board, Odisha vide No. 2502/RO-CTO-0403 dated 10.02.2021. Consent Order no 131/SPCB/RKL (APC & WPC) which is valid up to 31.03.2026.

**(vii) Details of Existing and Proposed Plant**

S. No.	Particulars	Existing	Proposed expansion	Total
i)	Induction Furnace	5 Ton/heat	2X8 Ton/heat (By replacing existing furnaces)	2X8 Ton/heat
ii)	Production capacity (MS Ingots/ Billets Production)	24,000 TPA	28000 TPA	52000 TPA
iii)	CCM	---	2 Strand, 4/7 m radius	2 Strand, 4/7 m radius
iv)	Fixed capital investment	11.15 Cr.	4.85 Cr.	16.00 Cr.
v)	Electrical power requirement	2.9 MW	2.6 MW	5.5 MW
vi)	Land area	3.04 Acres (1.23 Hect.)	---	3.04 Acres (1.23 Hect.)
vii)	Manpower requirement	80	20	100

**Raw material requirement:**

S. No.	Raw Material	Existing Capacity (TPA)	Proposed Capacity (TPA)	Total Capacity (TPA)	Source	Mode of transport
1	Sponge Iron	19800	23100	42900	Open Market	Road
2	Pig Iron	2640	3080	5720	Open Market	Road
3	MS Scrap	2640	4775	7415	Open Market	Road
4	Alloys	1320	1540	2860	Open Market	Road

(viii) **Water Requirement:** The existing daily fresh water requirement is 9 m<sup>3</sup>/day and is being sourced from existing bore well and NOC has been obtained from CGWA vide 21-4/5233/OR/IND/2023. Additional 15KLD fresh water will be required for expansion proposal for which CGWA Application is under process. After expansion, total freshwater requirement will be 24 KLD. After expansion, total water demand is 38.5 KLD, out of which fresh water will be 24 KLD which will be sourced from Ground Water. 14.5 KLD water will be recycled.

S. No.	Particulars	Fresh (KLD)	Recycled (KLD)	Total Water Demand (KLD)
i)	Industrial	14	7	21
ii)	Domestic	10	-	10



Plantation	7.5*	STP treated water of 7.5 KLD will be used for greenbelt development	7.5
<b>Total</b>	<b>24</b>	<b>14.5</b>	<b>38.5</b>

(x) **Wastewater generation:** The following will be the waste water generation from the proposed project and method of disposal.

S. No	Particulars	Wastewater generation (KLD)	Management
i)	Industrial	7.0	IF: -Blow-down water from cooling systems will be utilized for the plant through closed circuit cooling system.
ii)	Domestic	8.0	Domestic sewage is being treated in STP and treated water is being used for greenbelt development.

(ix) **Solid waste generation and management:** The following will be the Solid waste generation from the proposed project and method of disposal.

S. No	Particulars	Existing Quantity (TPA)	Proposed Quantity (TPA)	Total Quantity after Expansion (TPA)	Management
i)	Municipal Solid Waste (Kg/day)@ 0.2kg/person	3.6	1.8	5.4	It is being send to Municipal corporation
ii)	Slag	2640	3080	5720	Crushed in own Slag crushed unit after that metallic part used in house Billet Manufacturing and non metallic part reused for landfilling
iii)	Mill Scale	14.2	16.8	31	Dried and used in IF
iv)	Refractorie s	240	300	540	Sold to Building contractor

(x) **Manpower Requirement:** The proposed project will generate direct employment 100 No's which will be employed officials, staff, skilled, semi.-skilled labour & 100 Nos. indirectly employed in contract works & transport.

(xi) **Power Requirement:** Total power requirement for plants is 5.5 MW. Source from State Electricity Board. A DG Set capacity of 250 KVA also provided standby.

(xii) **Greenbelt development plan:** Approx. 0.406 Ha. of total land availability is reserved for greenbelt development plan. About 1015 Nos. (0.406 ha. x 2500 plant/ha.) Plants will be maintained. Nos. of trees already planted = 115 Nos. Nos. of Plants yet to be planted = 1015-115 = 900 Nos. Greenbelt of 33% of the area will be developed in the plant premises as per CPCB guidelines.



**Total Project cost:** The estimated total project cost of the proposed project is 16.00 Crores. EMP Cost incurs a capital cost of 100 lakhs and recurring cost of 29 lakhs.

S. No	Particulars	Amount (In lakhs)	
		Capital Cost	Recurring Cost/ Annum
i)	Air Pollution /Noise pollution Control System	80	15.00
ii)	Green Belt Development	10	2.00
iii)	Environment Monitoring and Management	-	8.00
iv)	Water Pollution Control System	05	2.00
v)	Occupational Health& Safety	05	2.00
	<b>Total</b>	<b>100</b>	<b>29.00</b>

(xiv) **Environment Consultant:** The Environment consultant M/s Parivesh Environmental Engineering Services, Lucknow along with the proponent made a presentation on the proposal before the Committee.

2. **Whether SEAC recommended the proposal** – The proposal was placed in SEAC meeting held on 01.12.2023 and the SEAC prescribed the ToR for conducting detailed EIA study with following specific ToRs.

- (ii) The Project proponent shall not increase the connecting load from the state grid 20% more than the existing load.
- (iii) Note on existing green area and proposed green area.
- (iv) Furnish details on types of alloys, its composition obtained from suppliers, types of billets/ingots manufactures and quantity of billet production etc.
- (v) The Project proponent shall provide supporting documents like Memorandum of Understanding (MoU) with Raw material suppliers in EIA report.
- (vi) Detailed note on slag processing, composition of slag, facilities provided for processing along with flowchart for the same.
- (vii) The Project Proponent shall clarify whether the slag will be used in land filling purpose; if so then area earmarked, how much period it can be stored and method of storage for it. If the Project Proponent is planning for slag disposal, then provide details on slag disposal process and its management.
- (viii) The project proponent shall brief the Air Pollution Control measures taken and fume collection system in new induction furnaces.
- (ix) The project proponent shall keep provision of solar power generation.

3. The Proposal was placed in the 150<sup>th</sup> SEIAA, Odisha meeting held on 02.01.2024 and the Authority observed that the existing production capacity of the unit for production of MS Billet / MS Ingots is more than 5000 TPA and the proposal falls into item no.3 (a)-secondary metallurgical processing unit. After detailed deliberation in the matter, the Authority decided to seek clarification why the proposal shall not be considered as a violation category since the existing production capacity of the unit is more than 5000 TPA during the period 2007-2011. The PP shall also furnish the year wise production till date duly certified by the competent authority. Accordingly, ADS letter issued to PP on 09.01.2024 for clarification on the above mentioned point.

4. Now, the PP has submitted their reply vide letter no. Nil dt. 17.03.2024 and uploaded in Parivesh Portal on 22.03.2024

5. The proposal was placed in 162<sup>nd</sup> SEIAA meeting held on 03.04.2024 & 04.04.2024. The authority observed that this is a proposal for Expansion of Production Capacity from 24000 MTPA to 52000 TPA of M/s. Billets/Ingots by replacement of existing induction Furnace (5 Ton/Heat + 3 Ton/Heat) with 2 X 8 Ton/Heat Induction Furnace. The PP has applied for EC under the provision of MoEF&CC Notification No. S.O 3194 (E) dated 20.07.2022 meant for all re-rolling unit or cold rolling unit which are in existence and in operation as on date of the notification dated 20.07.2022. However, the EIA Notification, 2006





under 3(a)-ii provide requirement of EC for all other non-toxic secondary metallurgical processing unit of 30,000 tonnes per annum. The SEAC is requested to for their examination and views if the present proposal comes under hot rolling mill or cold rolling mill.

6. The proposal was again placed in SEAC meeting held on 02.07.2024 and the SEAC observed the following:-

- i) The principal EIA notification 14<sup>th</sup> Sept. 2006 stipulates Induction/arc furnaces/cupola furnaces 5TPH or more will require EC as category B under project / activity 5(k) of schedule of EIA notification. This will not come under re-rolling mill.
- ii) The above-mentioned proposal is not coming under the provision of MoEF&CC, Govt. of India Notification no. S.O. 3194 (E) dated 20.07.2022 meant for all re-rolling unit or cold rolling unit which are in existence and in operation as on date of the notification. The current proposal is for expansion of an existing facility having CTO since 2007 for producing MS ingot billets from raw materials pig iron, sponge iron and MS scrap using electric induction furnace and continuous billet casting machine. MS ingot billets are cast products and not rolled products.
- iii) Obtaining prior authorization of EC is mandatory for establishing and operating / carrying out the stipulated activities mentioned in the MoEF&CC, Govt. of India notification S.O. 1533 (E) dated 14<sup>th</sup> September 2006. Hence obtaining CTE prior to the date of issue of above-mentioned notification does not entitle an industrial entity to carry out industrial operation without prior EC. In the instant case CTO has been obtained on 20<sup>th</sup> April 2007 and operation is continuing without EC.
- iv) The current operation for which CTO has been issued involves operation of induction furnaces only or additional facilities such as continuous casting machine etc. need clarification. **The current operation is for producing MS ingot billets and the information on what machinery is used along with the induction furnace in the existing facility is not stated.** The MoEF&CC, Govt. of India notification S.O. 3067 (E) dated 01<sup>st</sup> December 2009 para (iv) against item 3(a), in column (5), for the entries, the following entries shall be substituted, namely: - (i) reads as follows.  
*"In case of secondary metallurgical processing industrial units, those projects those projects involving operation of furnaces only such as induction and electric arc furnace, submerged arc furnace, and cupola with capacity more than 30,000 tonnes per annum (TPA) Would require Environmental Clearance."*
- v) The recent EIA notification of MoEF&CC, Govt. of India vide S.O. 2215(E), dated 07.06.2024 stipulates the requirement of Environmental Clearance for secondary metallurgical industry for non-toxic metals under project or activity 3 (a) as follows:

ii) Processes involving melting of nontoxic metals

Fuel in the furnace	Category B2	Category B1
1. Solid or liquid fuel	≥ 0.03 MTPA to < 0.06 MTPA	≥ 0.06 MTPA
2. Gas fuel or electricity	≥ 0.06 MTPA to < 0.12 MTPA	≥ 0.12 MTPA

iii) Processes involving only heating of nontoxic metals with pickling

Fuel in the furnace	Category B2	Category B1
1. Solid or liquid fuel	≥ 0.06 MTPA to < 0.12 MTPA	≥ 0.12 MTPA
2. Gas fuel or electricity	≥ 0.12 MTPA to < 0.18 MTPA	≥ 0.18 MTPA

The Standalone rolling or re-rolling or extrusion or piercing or forging or drawing units not involving any type of melting or pickling are exempted.



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b) The MoEF&CC, Govt. of India EIA notification vide S.O. 2215(E), dated 07.06.2024 stipulates "processes involving melting of non-toxic metals in gas or electricity-based furnace will require EC for production capacity  $\geq 0.06$  MTPA i.e.  $\geq 60000$  MTPA". Since, the total production capacity of the unit is  $< 60000$  TPA, the unit does not require EC as per the above notification.

After detailed discussion, the SEAC recommended that the SEIAA, Odisha may consider to take decision on the proposal on the basis of observation of the SEAC at para 21 above.


**Decision of Authority: ADS**

After detailed deliberation in the matter, the Authority decided that the PP is required to submit the details justification along with processing method under which category they want the project to be considered as per item no. 3(a) in column no. 4 of EIA notification of MoEF&CC, Govt. of India vide S.O. 2215(E), dated 07.06.2024.

**APPROVED BY**

  
Member-Secretary, SEIAA

  
Member, SEIAA

  
Chairman, SEIAA

**PARIVESH 1.0, AGENDA No.173.08**

Proposal No.	SLA/OR/IND1/437333/2023
Date of application	19.07.2023
File no.	437333/42-IND1/07-2023
Project Type	Proposal for ToR
Category	B
Project/Activity including Schedule No.	3(a), Metallurgical Industries (ferrous & nonferrous)
Name of the Project	ToR Proposal for Regularization of existing rolling mill for the production of Rerolled steel products (M.S. Pipe)- 90,000 MTPA at Khata No. 13, Plot No. 764/P, 765, 803/P, 802/1110, 764/1112, 803, 804/1111 & Khata No. 73/80, Plot No.804/1178, Village- Lodosara, P.S.-Biramitrapur, Tehsil- Kuarmunda District- Sundargarh, Odisha by M/s Cogent Steel & Pipes Pvt. Ltd
Name of the company/Organization	Mr Pratik Gupta M/s. Cogent Steel and Pipes Pvt. Ltd.
Location of Project	Village-Lodosara, P.S.-Biramitrapur, Tehsil- Kuarmunda District- Sundargarh, Odisha by M/s Cogent Steel & Pipes Pvt. Ltd
ToR date	Yet to issued
Name of Consultant	M/s. Ampl Environ 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 environmental clearance of M/s. Cogent Steel And Pipes Private Limited for Regularization of existing rolling mill for the production of Rerolled steel products (M.S. Pipe)- 90,000 MTPA over an area 2.4 Acres (0.97 Hect.) at Khata No. 13, Plot No. 764/P, 765, 803/P, 802/1110, 764/1112, 803, 804/1111 & Khata No. 73/80, Plot No.804/1178, Village- Lodosara, P.s.-Biramitrapur, Tehsil- Kuarmunda District- Sundargarh, Odisha of Sri Pratik Gupta.
3. **Category:** This is a Category – B project which falls under schedule 3(a), Metallurgical Industries (ferrous & nonferrous) as per the EIA Notification 2006 and amendments thereafter. Proposed project is Regularization of Re-Rolling Mill, in compliance to the MoEF&CC Notification dated 20<sup>th</sup> July 2022, all Cold Rolled Stainless Steel Manufacturing Industries require prior environment clearance as per EIA notification 2006.
4. **Location and Connectivity:** M/s Cogent Steel & Pipes Pvt. Ltd. is located at Khata No. 13, Plot No. 764/P, 765, 803/P, 802/1110, 764/1112, 803, 804/1111 & Khata No. 73/80, Plot No.804/1178, Village – Lodosara, P.S. – Biramitrapur, Tahasil – Kuarmunda District – Sundargarh, Odisha. The geo coordinates of the project are: Latitude 22°18'3.43" N and Longitude 84°45'10.33"E. The nearest Railway Station is Kuarmunda Railway Station which is located at about 2.8 km in E direction and Rourkela Airport is at a distance of approx..7.5 km in SE direction from the project site.
5. The renewal of last consent was granted by State Pollution Control Board, Odisha vide No. 1503/ dated 18.04.2023 Consent Order No. 0008/SPCB/RKL (APC & WPC) which is valid up to 31.03.2028.



6. **Raw material:**

S. No.	Raw Material	Quantity (TPA)	Source	Mode of transport
1	Billets/Ingot	94,500	Open Market	Road

7. **Water Requirement:** Water consumption for the units is primarily due to cooling requirements where water is re-circulated in a closed circuit. The one-time water demand is 25.0 KLD, while the daily fresh water requirement is 18.0 KLD, about 10 KLD makeup water for cooling purpose, 4 KLD for plantation and dust suppression and 4.0 KLD for domestic purposes.

8. **Waste generation:** The following will be the waste generation from the proposed project and method of disposal.

S. No	Particulars	Waste generation (KLD)	Management
1.	Industrial	5	Waste water from the rolling mills is likely to contain scale and oil & grease. This water is collected in settling tank fitted with an oil & grease skimmer. The clarified water is being re-used in the plant. Oil & Grease is being collected in drums and sold to secondary market for recycling.
2	Domestic	3.2	Existing sewage is being disposed of into septic tank and soak pit.

9. **Solid waste generation and method of disposal:**

S. No	Particulars	Quantity	Management
1.	Municipal Solid Waste (Kg/day)/@0.2kg/person	7.2	It is being Send to Municipal corporation
2.	Mill scale	2500	sold to nearby Billets manufacturing Unit
3.	End Cutting	2000	sold to nearby Billets manufacturing Unit
4.	Bottom Ash	3360	Will be used in land filling

10. **Power Requirement:** Total power requirement for plants is 3.3 MW. Source from State Electricity Board. A DG Set capacity of 320 KVA also provided standby.

11. **Greenbelt development plan:** Approx. 0.25Ha. of total land availability is reserved for greenbelt development plan. About 625 Nos. (0.25Ha. x 2500 plant/ha.) Plants will be maintained. Existing plants will be retained as it is. Plant species will be planted after consultation of local forest department. Greenbelt of 33% of the area will be developed in the plant premises as per CPCB guidelines. A three-tier plantation is proposed.

12. **Manpower Requirement:** The local areas will be benefited by way of generation of employment opportunities, increased demand for local products and services. There will be an overall improvement in the income level of the local people. The proposed project will generate direct employment 100 No's which will be employed officials, staff, skilled, semi-skilled labour & 100 Nos. indirectly employed in contract works & transport.

13. **Total Project cost:** The existing project cost is 1753.21 Laes. EMP Cost includes a capital cost of 50 lakhs and recurring cost of 15 lakhs.

S. No	Particulars	Amount (In lakhs)	
		Capital Cost	Recurring Cost/ Annum
1.	Air Pollution /Noise pollution Control System	35	5.00
2.	Green Belt Development	08	2.00
3.	Environment Monitoring and Management	-	5.00

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Water Pollution Control System	03	1.00
Occupational Health & Safety	04	2.00
<b>Total</b>	<b>50</b>	<b>15.00</b>

14. **Environment Consultant:** The Environment consultant M/s AmpliEnviron Private Limited, Hyderabad along with the proponent made a presentation on the proposal before the Committee.

15. The SEAC in its meeting held on dated **28.08.2023** recommended the following:

**A. The proponent may be asked to submit the following for further processing of EC application:**

- Details of fly/bottom ash generation and its management.
- Submit documents of approval i.e., CTE, CTO, compliance to stipulated conditions.
- Submit a fresh KML file.
- Details of spent refractions in terms of generation and permission for its disposal/selling to authorized vendors as they are hazardous.
- Explore the possibility to use fly ash in construction purposes.

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

- Environmental settings of the project site.
- Extent of construction activity and operational status of all the units.
- Road connectivity to the project site.
- Drainage network at the site.
- Greenbelt development in the existing plant.
- Solid waste management practice of the existing plant.
- Vacant land available.
- Any other issues including local issues.

16. 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
i.	Details of fly/bottom ash generation and its management.	Fly Ash- Nil generated at site Bottom Ash- 3360 TPA (Bottom Ash will be used in land filling at project site.)	-
ii.	Submit documents of approval i.e., CTE, CTO, compliance to stipulated conditions.	Copy of CTE, CTO, Compliance to stipulated condition are enclosed as <b>Annexure 1</b> .	CTE - 30.03.2022. CTO - 18.04.2023 Compliance report is not complete.
iii.	Submit a fresh KML file.	Fresh KML attached	KML file not found
iv.	Details of spent refractions in terms of generation and permission for its disposal/selling to authorized vendors as they are hazardous.	Spent refractions is not generated at project Site. As per Hazardous waste Authorization received from SPCB, Odisha. We generate only Used/Spent oil (0.5 KL/Annum) and Waste/Residue containing Oil (0.1 T/annum) at project site. Copy of HWA is enclosed as <b>Annexure 2</b> .	Copy submitted
v.	Explore the possibility to use fly ash in construction purposes.	No Fly Ash generated at Project Site.	-

17. The SEAC in its meeting held on dated **29-04-2024** decided to take decision on the proposal after a site visit of the Sub-Committee of SEAC.

18. The proposed site was visited by the sub-committee of SEAC on **31.05.2024**. Following are the observations of the sub-committee:

- The plant is located close to NH-143 and was under operation at the time of site visit.
- There is no proper drainage network in the plant premises.



It was observed that the process water is recycled after treatment. A small part of the storm water is treated and reused. However, rest of the storm water is released to outside through drains without proper treatment. The PP is required to set-up proper water treatment facilities to treat the runoff water before discharging it outside the plant premises. The detailed design and layout of such facilities are required to be shown at the time of presentation for Environmental Clearance.

- d) There is no greenbelt within the plant premises. A small space is available within the plant premises that could be utilized for plantation. As per the PP, additional land is also available adjacent to the plant. The PP is required to specify the details about plantation/green belt in a time bound manner at the time of presentation for environmental clearance.
- e) The house keeping in the plant was found to be very poor and the plant premises were covered with dust. Necessary measures are required to be adopted for prevention of formation of dust as well as preventing from it from getting air borne. The dust is required to be cleaned at regular intervals and disposed of in a safe manner.
- f) The scrap generated from the plant is sold to outside agencies and as per the PP a small amount of fly ash is generated because of use of imported coal, and the fly ash is used for filling up low lying land.
- g) The PP should provide safety shoes and helmets to all the workers and ensure their use in the plant premises.

19. The recent EIA notification of MoEF&CC, Govt. of India vide S.O. 2215(E), dated 07.06.2024 stipulates the requirement of Environmental Clearance for secondary metallurgical industry for non-toxic metals under project or activity 3 (a) as follows:

iv) Processes involving melting of nontoxic metals

Fuel in the furnace	Category B2	Category B1
1. Solid or liquid fuel	$\geq 0.03$ MTPA to $< 0.06$ MTPA	$\geq 0.06$ MTPA
2. Gas fuel or electricity	$\geq 0.06$ MTPA to $< 0.12$ MTPA	$\geq 0.12$ MTPA

v) Processes involving only heating of nontoxic metals with pickling

Fuel in the furnace	Category B2	Category B1
1. Solid or liquid fuel	$\geq 0.06$ MTPA to $< 0.12$ MTPA	$\geq 0.12$ MTPA
2. Gas fuel or electricity	$\geq 0.12$ MTPA to $< 0.18$ MTPA	$\geq 0.18$ MTPA

The Standalone rolling or re-rolling or extrusion or piercing or forging or drawing units not involving any type of melting or pickling are exempted.

20. The Committee observed that the present proposal is coming under category B1 as per MoEF&CC, Govt. of India EIA notification vide S.O. 2215(E), dated 07.06.2024 as described at para 19 above.

2. **Whether SEAC recommended the proposal** – The proposal was placed in the SEAC meeting held on 02.07.2024 and the SEAC prescribed the ToR as per **Annexure – C** for conducting detailed EIA study with following specific ToRs without conducting public hearing:

- i) The PP is required to set-up proper water treatment facilities to treat the runoff water before discharging it outside the plant premises. The detailed design and layout of such facilities are required to be shown at the time of presentation for Environmental Clearance.
- ii) The PP is required to specify the details about plantation/green belt in a time bound manner at the time of presentation for environmental clearance.
- iii) The house keeping in the plant was found to be very poor and the plant premises were covered with dust. Necessary measures are required to be adopted for prevention of formation of dust as well as preventing from it from getting air borne. The dust is required to be cleaned at regular intervals and disposed of in a safe manner.
- iv) The PP should provide safety shoes and helmets to all the workers and ensure their use in the plant premises.



- (v) The Project proponent shall not increase the connecting load from the state grid 20% more than the existing load.
- (vi) Note on existing green area and proposed green area.
- (vii) Furnish details on types of alloys, its composition obtained from suppliers, types of billets/ingots manufactures and quantity of billet production etc.
- (viii) The Project proponent shall provide supporting documents like Memorandum of Understanding (MoU) with Raw material suppliers in EIA report.
- (ix) Detailed note on slag processing, composition of slag, facilities provided for processing along with flowchart for the same.
- (x) The Project Proponent shall clarify whether the slag will be used in land filling purpose; if so then area earmarked, how much period it can be stored and method of storage for it. If the Project Proponent is planning for slag disposal, then provide details on slag disposal process and its management.
- (xi) The project proponent shall brief the Air Pollution Control measures taken and fume collection system in new induction furnaces.
- (xii) The project proponent shall keep provision of solar power generation.
- (xiii) The project proponent to furnish details of handling / storage / disposal of the coal ashes generated from the producer gas plant during operational phase of the project.

**Decision of Authority: Approved**

The Authority observed that this is an application for ToR for regularization of existing rolling mill for the production of Rolled steel products (M.S. Pipe)- 90,000 MTPA considering under EIA notification of MoEF&CC, Govt. of India vide S.O. 2215(E), dated 07.06.2024.

After detailed deliberation, the Authority decided to issue both standard and specific ToR as recommended by SEAC without public hearing.

Member Secretary, SEIAA

APPROVED BY

Member, SEIAA

Chairman, SEIAA





PARIVESH I.O, AGENDA No.173.09

Proposal No.	SIA/OR/IND1/437145/2023
Date of application	18.07.2023
File no.	437145/41-IND1/07-2023
Project Type	Proposal for ToR
Category	B
Project/Activity including Schedule No.	3(a), Metallurgical Industries (ferrous & nonferrous)
Name of the Project	ToR Proposal for Regularization of the existing project of Rolling Mill having capacity of Pencil /M.S. Ingots (Induction Furnace -one no each of 2, 4 & 6 MT/heat)- 1700 MT/Month; M.S. Rod, Flats, Angle & Channel-2000 MT/Month & Producer gas - 4200 NCum/hr at Bilaigarh, PO-Laing, Tehsil-Rajgangapur, Dist-Sundergarh, Odisha.
Name of the company/Organization	Mr Umesh Sharma M/s. Shree Ram Sponge and Steels Private Limited
Location of Project	Bilaigarh, PO-Laing, Tehsil-Rajgangapur, Dist-Sundergarh, Odisha
ToR date	Yet to issued
Name of Consultant	M/s. Parivesh Environmental Engineering Services, Lucknow

**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 Environmental Clearance of M/s. Shree Ram Sponge and Steels Private Limited for the Regularization of the existing project of Rolling Mill having capacity of Pencil / M.S. Ingots (Induction Furnace -one no. each of 2, 4 & 6 MT/heat) - 1700 MT/Month. Rod, Flats, Angle & Channel-2000 MT/Month & Producer gas - 4200 NCum / hr over an area 10.25 acres at Bilaigarh, Po-Laing, Tehsil - Rajgangpur, Dist - Sundergarh.
3. **Category:** This is a Category - B project which falls under schedule 3(a), Metallurgical Industries (ferrous & nonferrous) as per the EIA Notification 2006 and amendments thereafter. Proposed project is Regularization of Re-Rolling Mill, in compliance to the MoEF&CC Notification dated 20th July 2022, all Cold Rolled Stainless Steel Manufacturing Industries require prior Environment Clearance as per EIA notification 2006.
4. CTE for Expansion proposal for 3<sup>rd</sup> IF of 6 T capacity for manufacture of M.S Ingot 800 MT/Month & MS Rods, Flats, Angle & Channel 2000 MT/Month issued by OSPCB on 20-06-2006. Existing Industry operated on the basis of CTO obtained from SPCB Odisha vide letter no. 724/CT-0043 dated 26.03.2021 which is valid up to 31-03-2026.



5. **Location and Connectivity:** M/s Shree Ram Sponge & Steel Pvt Ltd is located at Bilaigarh, PO-Taing, Taluk-Rajgangapur, Dist - Sundergarh, Odisha. The coordinates of the plant area are Latitudes 22°14'3.44"N to 22°14'11.78"N & Longitudes 84°39'22.11"E to 84°39'26.26"E. The nearest railway station is the Karsabahal Railway Station (2.7KM, S) from the site. The nearest airport is at Rourkela Airport (15.6Km, E) from the site. The site is approx. 8.3 Km away from nearest town Rajgangpur Town. Barjore Nala is at 0.02 km East from the project site. Sankh River is at 1.0 Km ENE from the project site. The nearest State Highway i.e., SH 10 which runs at adjacent to the project site toward south direction.
6. **Topography:** The topography of the plant area is flat in and the slope is downward towards the east direction. The average elevation of site is 195 m AMSL. Range between 194 m AMSL to 196 m AMSL. The perennial river Sankh flows about 1.0 km in the ENE direction of the project site area and forms the main drainage system of the vicinity.
7. **Seismicity:** The project is under very feeble to Zone – III (moderate damage risk zone) [as per IS 1893 (Part-I): 2002].
8. **Project details:**

S. No.	Product	Existing capacity/Quantity	production	Total Regularization	after
1	Pencil/M.S. Ingots (Induction Furnace: One no each of 2,4 & 6 MT/Heat)	1700 MT/Month		1700 MT/Month	
2	M.S Rod, Flats, Angle & Channel	2000 MT/Month		2000 MT/Month	
3	Producer Gas	4200 Ncum/hr		4200 Ncum/hr	
	Area	10.25 Acres			

**Proposed:** It is proposed to the addition of Coal Pulverizer of 1 & 2 within the existing project site.

Sr No	Particulars	Stack/Vent Height (meter)	Air Pollution Control Measures (APCM)
1	Pulverizer No.1	Closed system	Bag Filter
2	Pulverizer No.2	Closed system	Bag Filter

9. **The land utilization plan:** In total 10.25 Acres of land will be adequate to accommodate the entire planned facilities. The land utilization plan is given below:

S. No.	Land Use	Area (Acres)	Proposed Area	Total area (Acres)	Percentage
1.	Plant Area	5.0	None	5.0	48.78
2.	Internal Road, corridor other, parking, raw material storage, product storage office building etc)	0.86	None	0.86	8.39
3.	Greenbelt	3.39	-	3.39	33.07
4.	Open space	1.0	None	1.0	9.76
	<b>Total</b>	<b>10.25</b>	<b>-</b>	<b>10.25</b>	<b>100</b>

10. **Production and Waste Generation details:**

Sr. No.	INPUT	OUTPUT
	<b>Material Balance for Induction Furnaces (Ingots)</b>	
	TPA	TPA
1.	Sponge Iron	17952
2.	Scrap	2244
		M.S Ingot
		20,400
		Slag
		1020



3	Cast iron/Ferro Alloy	2244	Gases & Fumes	1020
<b>Total</b>		<b>22440</b>	<b>Total</b>	<b>22440</b>

Description	Input	Output
<b>Material balance for Rolled Product</b>		
Ingots/Billets	24686	-
M.S Rod, Flats, Angle & Channel	-	24000
Mill scale	-	343
End Cutting	-	343
<b>Total</b>	<b>24686</b>	<b>24686</b>

11. **Manufacturing process:** Scrap & Sponge Iron form the major raw materials for Pencil/M.S. Ingots making in the induction furnace route. Rolling Mill is being used for Production of Rolled products (M.S Rod, Flats, Angle & Channel). Rolling is a process used to shape metal into a thin long layer by passing it through a gap of two rollers rotating in different directions. At first Pencil/M.S. Ingots from yard send it to reheating furnace where Producer Gas from Coal gasifier is used for heating and then processed to roughing mill than it passes to intermediate mill and finishing mill respectively. From there it will send it to QTB system for pinch roll & dividing shear and then to cutting with cold shear and bundle it for final dispatch. Now it is proposed to addition of coal pulveriser 1 & 2.

12. **Waste Generation and Management:**

Particulars	Type of waste	Existing (TPA)	Total (TPA)	Treatment/ disposal
-	STP Sludge	0.5 Kg/Day	0.5 Kg/Day	Will be used as manure for gardening
Municipal Solid Waste	Biodegradable	10	10	It is being Send to Municipal corporation, Sundergarh
Industrial waste	Mill scale	343	343	Reused in SMS
Industrial waste	End Cutting	343	343	Reused in SMS
Industrial waste	Slag	1020	1020	Slag will be crushed and metal part will be recovered by magnetic separator and rest part will be used for road construction.

S.No	Type of Solid waste	Quantity (TPA)	Disposal Proposed
1.	Bottom Ash	1400	Will be used in land filling.
2.	Tar residue	0.2	Sold to Authorized Coal tar processing units
	Hazardous Waste		
1.	Used oil	1.5	Storage in containers over impervious floor under well-ventilated covered shed followed by disposal through actual users having valid authorization from SPCB, Odisha.

13. **Water requirement:** Total one-time water requirement is 111 KLD. Total daily fresh water requirement will be 45 KLD. Recycled water 66 KLD. The source of water is Ground water. CGWA NOC has been



renewed from CGWA vide letter no.- CGWA/NOC/IND/ORIG/2021/12270 dated 15.10.2020 valid up to 14.10.2023 to tune of 93 KLD. The source of water will be Ground water.

14. **Wastewater management:** The sewage & sanitary wastewater from toilets, washrooms and canteen shall be treated in STP and treated water will be used for greenbelt development. Blow-down water from cooling systems will be utilized for the plant through closed circuit cooling system. Wastewater from the CCM and rolling mills are likely to contain scale and oil & grease. This water will be collected in settling tank fitted with an oil & grease skimmer. The clarified water will be re-used in the plant. Oil & Grease shall be collected in drums and sold to secondary market for recycling.
15. **Power Requirement:** Total power requirement for proposed project is 5000 kVA and it is being sourced from State Electricity Board.
16. **Green belt:** Green belt is being developed at least in 33.07% of total plant area in and around the plant premises for environmental protection as per CPCB/OPCB guidelines. In the existing project 3.39 Acres of land i.e., 33.07% of total land plant area of 10.25 Acres has been provided a natural barrier for attenuation of noise and air pollution.
17. **Baseline study details:** Baseline data to be collected during post monsoon from October to December 2023.
18. **Manpower:** The existing employment is around 175 persons and contractual labours -140 Nos.
19. **Project Cost:** The expected cost of the project is Rs.5.45 crores. EMP cost includes a capital cost of 80.0 Lakhs and a recurring cost of 30 Lakhs/Annum.

S. No.	Particulars	Amount in INR, Lakhs	
		Capital Cost	Recurring Cost
1	Air Pollution Control System	30	7
2	Noise Control System	5.72	2
3	Green Belt Development	11.28	2
4	Environment Monitoring and Management	8	6
5	Water Pollution Control System	20	8
6	Occupational Health & Safety	5	5
Total		80	30

20. **Environment Consultant:** The Environment consultant M/s Parivesh Environmental Engineering Services, Lucknow along with the proponent made a presentation on the proposal before the Committee.
21. The SEAC in its meeting dated **28-08-2023** recommended the following:
  - A. **The proponent may be asked to submit the following for further processing of TOR application:**
    - a) Air Pollution Control Measures adopted at present.
    - b) Copy of permission from water resource department for using ground water.
    - c) Details of spent refractions in terms of generation and permission for its disposal/selling to authorized vendors as they are hazardous.
    - d) Details of supporting documents/NOC from concerned authority for landfill of hazardous waste products and specify the area with layout.
    - e) Details of fly/bottom ash generation and its management with material balance from Producer Gas Plant.
    - f) All copies of Consent to Establish, Consent to Operate and Authorization granted by the Board to different units such as Induction Furnace, Producer Gas Plant, Rolling Mill and other units if any.
  - B. **The proposed site shall be visited by Sub-Committee of SEAC to verify the followings**
    - a) Environmental settings of the project site.
    - b) Extent of construction activity and operational status of all the units.



- c) Road connectivity to the project site.
- d) Drainage network at the site.
- e) Greenbelt development in the existing plant.
- f) Solid waste management practice of the existing plant.
- g) Vacant land available.
- h) Any other issues including local issues.

22. 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
i.	Air Pollution Control Measures adopted at present.	Particulate	Control equipment	Max Emission at the outlet	Monitoring	
		Reheating Furnace	Wet Scrubber with Chimney of 30 m	PM<150 mg/Nm <sup>3</sup>	Periodically Stack monitoring is being done.	
		Induction Furnace	Adequate Stack height, bag house, Fume Extraction system with bag filters, 30 m stack height.	PM<150 mg/Nm <sup>3</sup>		
		Coal Gasifier	Tar control system with Electrostatic Tar Separator			
		Roads	Roads are Paved inside the plant premises	-		
		Vehicles	completely Covered Trucks & PUC Certified Vehicles is	-		



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		being/will be used				
ii.	Copy of permission from water resource department for using ground water.	Copy of permission obtained from CGWA is enclosed as <b>Annexure 1</b>			NOC from CGWA for 93KLD has been taken valid till 14-10-2023. Permission from Water Resource department, Odisha for using ground water has not been submitted.	
iii.	Details of spent refractions in terms of generation and permission for its disposal/selling to authorized vendors as they are hazardous.	150 TPA Spent refractories is being generated <b>Management:</b> Spent refractories have been used largely in open-loop recycling applications such as roadbed aggregates.			-	
		<b>Furnace Operation / Area of Application</b>		<b>Refractory Specifications (Std. Specfn)</b>		
		Melting Mild Steel, Stainless Steel, Manganese Steel & Alloy Steels		Type= Mag-Chrome R/M, MgO%= 70- 85, Cr2O3%= 8-10, Sintering Temp (ST)= 8000C, Application Temp (AT)= 17500C, Grading= 0- 5 mm		
iv.	Details of supporting documents/NOC from concerned authority for landfill of hazardous waste products and specify the area with layout.	Used oil of 0.5 KI/Annum is generated. <b>Management:</b> Storage in containers over impervious floor under well-ventilated covered shed followed by disposal through actual users having valid authorization from SPCB, Odisha. The storage area for used oil is specified in layout plan and enclosed as <b>Annexure-2</b> .			-	
v.	Details of fly/bottom ash generation and its management with material balance from Producer Gas Plant.	<b>INPUTS</b>		<b>OUTPUTS</b>		
		S.No.	Item	Quantity (TPA)	Item	Quantity (TPA)
		1.	Coal	4800	Producer Gas	4200 N cum/hr
					Tar (KL/Annum)	3
					Bottom Ash	1400





All copies of Consent to Establish, Consent to Operate and Authorization granted by the Board to different units such as Induction Furnace, Producer Gas Plant, Rolling Mill and other units if any.	Bottom Ash is being used for land filling Copies of all CTO and CTE is enclosed as <b>Annexure-3</b>	CTE obtained on 20-06-2006 and latest CTO is valid till 31-03-2026.
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23. The SEAC in its meeting held on dated **29-12-2023** decided to take decision on the proposal after site visit of Sub-Committee of SEAC.
24. The proposed site was visited by the sub-committee of SEAC on **20.05.2024**. Following are the observations of the sub-committee:
- The plant is located close to the Biju Expressway and was under operation at the time of the site visit.
  - It was noticed that the plant has a well-developed drainage network. The water is channelized to a storage tank and reused after treatment.
  - The project proponent has developed and maintained a green belt close to the express way. Moreover, greenery has also been maintained in the vacant spaces within the plant premises.
  - The coal is used in a gasification unit and the tar is recovered sold to outside agencies. A very small amount of slag and fly ash is generated, which is used for landfilling.
  - Here is no sewage treatment plant. The process water is being treated and reused.
  - The PP was advised to put adequate number of recharge pits and channel the runoff after treatment to these pits for ground water recharge.
25. The recent EIA notification of MoEF&CC, Govt. of India vide S.O. 2215(E), dated 07.06.2024 stipulates the requirement of Environmental Clearance for secondary metallurgical industry for non-toxic metals under project or activity 3 (a) as follows:

i) Processes involving melting of nontoxic metals

Fuel in the furnace	Category B2	Category I
1. Solid or liquid fuel	$\geq 0.03$ MTPA to $< 0.06$ MTPA	$\geq 0.06$ MTPA
2. Gas fuel or electricity	$\geq 0.06$ MTPA to $< 0.12$ MTPA	$\geq 0.12$ MTPA

ii) Processes involving only heating of nontoxic metals with pickling

Fuel in the furnace	Category B2	Category I
1. Solid or liquid fuel	$\geq 0.06$ MTPA to $< 0.12$ MTPA	$\geq 0.12$ MTPA
2. Gas fuel or electricity	$\geq 0.12$ MTPA to $< 0.18$ MTPA	$\geq 0.18$ MTPA

The Standalone rolling or re-rolling or extrusion or piercing or forging or drawing units not involving any type of melting or pickling are exempted.

26. The Committee observed that the present proposal is for Producer Gas based Rolling Mill without any pickling facility with annual production capacity of rolled product 24000 TPA and production of MS ingot (induction furnaces) - 20400 TPA. The MoEF&CC, Govt. of India EIA notification vide S.O. 2215(E), dated 07.06.2024 stipulates "processes involving melting of non-toxic metals in gas or electricity-based furnace will require EC for production capacity  $\geq 0.06$  MTPA i.e.  $\geq 60000$  MTPA". Since, the total production capacity of the unit is  $< 60000$  TPA, the unit does not require EC as per the above notification.

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2. **Whether SEAC recommended the proposal** – The proposal was placed in the SEAC meeting held on 07.07.2024 and after detailed discussion, the SEAC opined that Environmental Clearance is not required for the site as per recent notification of MoEF&CC, Govt. of India vide S.O. 2215(E), dated 07.06.2024 and recommended that SEIAA, Odisha may consider to intimate the same to the proponent.

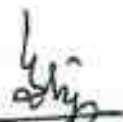
**Decision of Authority: ADS**

After detailed deliberation in the matter, the Authority decided that the PP is required to submit the details justification along with processing method under which category they want the project to be considered as per item no. 3(a) in column no. 4 of EIA notification of MoEF&CC, Govt. of India vide S.O. 2215(E), dated 07.06.2024.

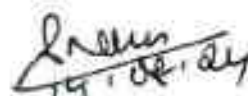
**APPROVED BY**



Member Secretary, SEIAA



Member, SEIAA



Chairman, SEIAA





**PARIVESH 1.0, AGENDA No.173.10**

Proposal No.	SIA/OR/IND1/445277/2023
Date of application	03.10.2023
File no.	445277/47-IND1/10-2023
Project Type	Proposal for ToR for expansion of Production capacity
Category	B1
Project/Activity including Schedule No.	3(a), Metallurgical Industries (ferrous & nonferrous)
Name of the Project	ToR Proposal of for Regularization of the existing project of Rolling Mill having capacity of 90,000 MT/Annum at Khata No.-124/285, Plot No.-1212/1740, Village-Mandiakudar, PO-Chungimati, Tehsil-Rajgangpur, District-Sundargarh, State-Odisha.
Name of the company/Organization	M/s. Subhlabh Cements Private Limited Sri Sanoj Kumar Agarwal
Location of Project	Village-Mandiakudar, PO-Chungimati, Tehsil-Rajgangpur, District-Sundargarh, State-Odisha.
ToR date	Yet to issued
Name of Consultant	M/s. Parivesh Environmental Engineering Services, Lucknow

**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 environmental clearance of M/s. Subhlabh Cements Private Limited for Regularization of the existing project of Subhlabh Cement Pvt. Ltd. having capacity of 90,000 MT/Annum, (TMT Bar, Angle, Channel, Flats, Square Bar and Rounds, MS Plate, MS Strips, MS Pipes, MS Sheets etc.) over an area 5 Acres located at Mandiakudar, Tehsil-Rajgangpur, Dist - Sundargarh of Sri Sanoj Kumar Agarwal.
3. **Category:** This is a Category – B project which falls under schedule 3(a), Metallurgical Industries (ferrous & nonferrous) as per the EIA Notification 2006 and amendments thereafter.
4. **Location and Connectivity:** M/s Subhlabh Cement Pvt. Ltd is located at Khata No.- 124/285, Plot No.- 1212/1740, Village-Mandiakudar, Tehsil-Rajgangpur, Dist.-Sundargarh, Odisha. The coordinates of the plant area are 22°13'45.37"N to 22°13'48.95"N & 84°41'36.41"E to 84°41'45.26"E. The nearest railway station is the Kalunga Railway Station (4.0 KM, ESE) from the site. The nearest airport is at Rourkela Airport (12 Km, E) from the site. The site is approx. 12 Km away from nearest town Rajgangpur Town. Sankh River is flowing at a distance of 0.85 Km North from the project site. The State Highway (SH-10) runs at a distance 0.15 Km to the project site toward south direction.

5. **Topography:** The topography of the plant area is flat in and the slope is downward towards the east direction. The average elevation of site is 192 m AMSL. Range between: 192 m AMSL. to 194 m AMSL. The perennial river Sankh forms the main drainage system of the vicinity.

6. **Seismicity:** The project is under very feeble to Zone – III (moderate damage risk zone) [as per IS 1893 (Part-I): 2002]

7. **Project details:**

Sr. No	Name of product	Existing capacity (Ton/Annum)	After regularization Total Capacity (Ton/Annum)
1	TMT Bar, Angle, Channel, Flats, Square Bar and Rounds	36,000	36,000
2	MS Plate, MS Trips, MS Pipe, and MS Sheet	54,000	54,000
	<b>Total capacity</b>	<b>90,000</b>	<b>90,000</b>

Sr No	Particulars	Stack/Vent Height (meter)	Air Pollution Control Measures (APCM)
1	Pulverizer No.1	Closed system	Bag Filter

8. **The land utilization plan:** In total 5 Acres (20234.28 Sqm.) of land will be adequate to accommodate the entire planned facilities. The land utilization plan is given below:

Land Use	Area (Sqm)	Expansion as per CTO dated 03.06.2022	Area (Sqm)	Percentage (%)
	Existing		After Regularization	
TMT MILL - 15 TPH & MACHINE SHOP	2520	-	2520	12.454
MS HOT STRIP MILL - 15 TPH	-	2000	2000	9.884
MS TUBE MILL -15 TPH	-	1800	1800	8.895
ANCILARY UNITS	200	200	400	1.976
WATER TREATMENT PLANT	-	350	350	1.73
GREENBELT	6880	-	6880	34
INTERNAL ROAD	2500	1150	3650	18
WASTE HANDLING AREA	4	-	4	0.02
PLASTIC WASTE STORAGE SHED	4	-	4	0.02
OPEN AREA	8126.28	-	2626.28	12.98
<b>Total Land Area</b>	<b>20234.28</b>		<b>20234.28</b>	<b>100</b>

9. **Production and Waste Generation details:**

Sr. No.	INPUT	TPA	OUTPUT	TPA
1.	MS Billets/ Ingot	96000	TMT Bar, Angle, Channel, Flats, Square Bar and Rounds	36000
2.			MS Plate, MS Trips, MS Pipe, and MS Sheet	54000
3.			End Cutting /Mill scale	6000
<b>Total</b>		<b>96000</b>	<b>Total</b>	<b>96000</b>

10. **Manufacturing process:** Rolling Mill is being used for Production of Rolled products (MS Plate, MS



ings, MS Pipe, and MS Sheet, TMT Bar, Angle, Channel, Flats, Square Bar and Round), Rolling is a process used to shape metal into a thin long layer by passing it through a gap of two rollers rotating in different directions. M.S. Ingots from the yard is taken to reheating furnace where pulverized coal is used as fuel for heating and then processed to roughing mill than it passes to intermediate mill and finishing mill respectively. From there it will send it to QTB system for pinch roll & dividing shear and then to cutting with cold shear and bundle it for final dispatch.

**11. Waste Generation and Management:**

11. Waste Generation and Management						
Sr. No.	Type/Name of waste	Specific Source of generation (Name of the Activity, Product etc.)	Category and Schedule as per HW Rules.	Quantity (MT/Annum)		Management of HW
				Existing	Total	
INDUSTRIAL SOLID WASTE						
1	End Cutting /Mill scale	End Cutting	-	6000	6000	End cutting are being given to nearby IF Unit.
4	Municipal Solid Waste (Kg/ day) @0.20kg/person	-	-	15	15	It is being Send to Municipal corporation, Rourkela

Sr. No.	Type/Name of waste	Specific Source of generation (Name of the Activity, Product etc.)	Category and Schedule as per Rules.	Quantity (MT/Annum)		Management of HW
				Existing	Total	
HAZARDOUS WASTE						
1	Used oil	Machinery	5.1	0.5	0.5	Collection, storage, Reuse within premises OR transportation, disposal by selling to registered recycler
2	Dust from Bag filter	Pulverizer	35.1	36	36	Collection, storage and sold to brick manufacturers

**12. Water requirement:** Total one-time water requirement is 43.5 KLD. Total daily fresh water requirement will be 30 KLD. Recycled water 13.5 KLD. The source of water is Ground water.

**13. Wastewater management:** The domestic wastewater from toilets, washrooms and canteen will be treated in STP and treated water will be used for greenbelt development. Waste water from the rolling mills is likely to contain scale and oil & grease. This waste water will be treated in treatment system consists of settling tank fitted with an oil & grease skimmer. The clarified water is being re-used in the plant. Oil & Grease is being collected in drums and sold to Authorized recycler for recycling.

**14. Power Requirement:** Total power requirement for proposed project is 3500 KVA and it is being sourced from State Electricity Board.



15. **Green belt:** In the existing project 6880 Sqm of land i.e., 34% of total land plant area of 20234.28 Sqm has been provided a natural barrier for attenuation of noise and air pollution.
16. **Baseline study details:** Baseline data to be collected during post monsoon from October 2023 to December 2023.
17. **Manpower:** The existing employment is around 77 Persons and contractual labour-140 Nos.
18. **Project Cost:** The expected cost of the project is Rs.985 Lakhs. EMP cost includes a capital cost of 68 Lakhs and a recurring cost of 20 Lakhs/Annum.
19. **Environment Consultant:** The Environment consultant M/s Parivesh Environmental Engineering Services, along with the proponent made a presentation on the proposal before the Committee on 20.10.2023.
20. The SEAC in its meeting held on dated **20-10-2023** recommended the following:
- A. The proponent may be asked to submit the following for further processing of EC application:**
- i) Copy of company registration certificate, Consent to Establish and Consent to Operate order of existing and expansion project.
  - ii) Details of Air Pollution Control measures provided in the existing reheating furnaces.
  - iii) Comparison statement of present plant and machineries with its capacity vs proposed plant and machineries with capacity.
  - iv) Justification why this will be not considered as violation case.
- B. Following specific ToRs may be prescribed while issue of Terms of References.**
- i) Revised layout map indicating location details, name of the species to be planted and to carry out the plantation in all the sides of the project site as the project proponent has submitted layout of greenbelt showing the plantation area only on two sides of the site
  - ii) Copy of permission obtained from CGWA for drawl of ground water.
  - iii) Detailed note on generation and quantity of disposal of end cuttings along with specific disposal method of end cuttings and agreements made with the end users thereof supported with documentation.
  - iv) Include provision of Rainwater harvesting Pits.
  - v) Include provision for installation of STP for treatment of domestic effluent and submit the detailed specification.
  - vi) Details of ash management, quantity of coal burnt and provision of dust control system for handling pulverized coal and coal grinding unit.
  - vii) Details of ash management such as quantity sold to dealers and disposal methods.
  - viii) Detailed note on coal stock yard and coal handling management.
  - ix) Details of storage of used oil and fire safety/ management.
  - x) Explore possibility to include provision for use of Solar power and cleaner fuel (CNG)/producer gas instead of coal.
  - xi) Include the provision of cyclone and heat exchanger to reduce the temperature of flue gas before the Bag filter.
- C. The proposed site shall be visited by local members of SEAC along with officer of Regional office of State Pollution Control Board to verify the followings:**
- a) Environmental settings of the project site.
  - b) Extent of construction activity and operational status of all the units.
  - c) Road connectivity to the project site.
  - d) Drainage network at the site.



- f) Greenbelt development in the existing plant.  
g) Solid waste management practice of the existing plant.  
h) Vastant land available.  
i) Any other issues including local issues.

21. 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
i.	Copy of company registration certificate, Consent to Establish and Consent to Operate order of existing and expansion project.	Copy of company registration certificate is enclosed as <b>Annexure-I</b> .					Copies submitted
		Sr. No.	Particular	Product	Date of issue	Validity	Capacity
		1.	CTE vide no 1186 dated 16.04.2018	TMT Bar, Angle, Channel, Flats, Square Bar and Rounds	16.04.2018	-	36000 Metric Ton/Annum
		2.	CTO order no 0678/SPCB/RKL (APC & WPC) (2865)	TMT Bar, Angle, Channel, Flats, Square Bar and Rounds	02.11.2020	31.03.2020	36000 Metric Ton/Annum
		3.	CTO order no 0678/SPCB/RKL (APC & WPC) (353)	TMT Bar, Angle, Channel, Flats, Square Bar and Rounds	05.02.2020	31.03.2025	36000 Metric Ton/Annum
		4.	CTE for enhancement of production capacity vide letter no 1676/CTO-1152	MS Plate, MS Strips, MS Pipe and MS Sheets	03.06.2022	31.03.2026	54,000 TPA
		Consent to establish and consent to operate order of existing and expansion project is enclosed as <b>Annexure-II</b> .					

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Sr. no.	Source of emission With Capacity	Stack Height (meter)	Type of emissions i.e., Air Pollutants	Air Pollution Control Measures (APCM)	
				Primary and Secondary Extraction Bag Filter chamber	fume system + Settling chamber
1.	Reheating Furnace	30	Particulate matter SO <sub>2</sub> NO <sub>x</sub>		
iii.	Comparison statement of present plant and machineries with its capacity vs proposed plant and machineries with capacity.	Sr. no	Existing	Proposed expansion as per vide letter no 1676/CTO-1152	-
		1.	TMT mill 15 TPH & Machine shop	-	
		2.	-	MS hot strip mill 15 TPH	
		3.	-	MS tube mill 15 TPH	
		4.	-	Water Treatment plant	
		5.	Transformer	-	
		6.	Weigh bridge	-	
		7.	Charging table with pusher	-	
		8.	Pulveriser	-	
		9.	Reheating Furnace	-	
		10.	Roughing mill	-	
		11.	Overhead Crane	-	
		12.	Intermedine mill	-	
		13.	Finishing mill	-	
		14.	Roller Table with coolingbed	-	
		15.	-	Producer gas plant	
		16.	-	Cooling tower	
		17.	-	Transformer 5000 kVA circuit breaker room	
		18.	-	DG set 250 kVA	
		19.	-	Finishing mill 5 NOS	
		20.	-	Vertical mill stand 2 Nos	
		21.	-	Overhead crane 15 & 5 Ton	
		22.	-	Coil shifter conveyor 2 Nos	
		23.	-	Twister and pinch roller 2 Nos each	
		24.	-	Tube mill Uncoiler -4 Nos Profiling mill with guide Online robotic welding machine End trimming Finishing mill Shear	





Justification why this will be not considered as violation case.

- The unit is Standalone rolling/ re-rolling units and not covered under purview of EIA notification. However, the industry has obtained CTE and CTO from state pollution control Board.
- Further in compliance to the MoEF&CC Notification dated 20<sup>th</sup> July 2022 the application has been made for Regularization of existing rolling/ re-rolling units.

Fished pipe bed  
Overhead crane 10 & 5 Ton

22. The SEAC in its meeting held on dated 29-12-2023 decided to take decision on the proposal after site visit of Sub-Committee of SEAC.

23. The proposed site was visited by the sub-committee of SEAC on 20.05.2024. Following are the observations of the sub-committee:

- a) The plant was under partial shutdown at the time of the visit.
- b) There is no sewage or effluent treatment plant. There is also no proper drainage network. The process water is routed to a storage tank and is being recycled.
- c) The overall slope in the plant area is towards north-west direction and the storm water flows in this direction. The project proponent was advised to create settling tanks followed by recharge pits in the north west corner of the plant and utilize the water for various activities such as dust suppression, plantation etc., and reduce the dependency on ground water. The detailed layout and design are required to be shown at the time of presentation for Environmental Clearance.
- d) A green belt of 6880m<sup>2</sup> as mentioned in the document submitted was not observed in the plant premises. Only a few saplings have been planted close to the southern boundary (Figure 2) which is not found to be adequate. The PP was advised to designate specific areas and develop a green belt and show the details on layout overlaid on KML file and submit the same for environmental clearance.

24. The recent EIA notification of MoEF&CC, Govt. of India vide S.O. 2215(E), dated 07.06.2024 stipulates the requirement of Environmental Clearance for secondary metallurgical industry for non-toxic metals under project or activity 3 (a) as follows:

vi) Processes involving melting of nontoxic metals

Fuel in the furnace	Category B2	Category B1
1. Solid or liquid fuel	≥ 0.03 MTPA to < 0.06 MTPA	≥ 0.06 MTPA
2. Gas fuel or electricity	≥ 0.06 MTPA to < 0.12 MTPA	≥ 0.12 MTPA

vii) Processes involving only heating of nontoxic metals with pickling

Fuel in the furnace	Category B2	Category B1
1. Solid or liquid fuel	≥ 0.06 MTPA to < 0.12 MTPA	≥ 0.12 MTPA
2. Gas fuel or electricity	≥ 0.12 MTPA to < 0.18 MTPA	≥ 0.18 MTPA

The Standalone rolling or re-rolling or extrusion or piercing or forging or drawing units not involving any type of melting or pickling are exempted.

25. The Committee observed that the present proposal is coming under category B1 as per MoEF&CC, Govt. of India EIA notification vide S.O. 2215(E), dated 07.06.2024 as described at para 24 above.

2. **Whether SEAC recommended the proposal** – The proposal was placed in the SEAC meeting held on 02.07.2024 and Considering the information / documents furnished by the proponent and presentation made by the consultant M/s Parivesh Environmental Engineering Services, Lucknow, the SEAC prescribed

The ToR is per Annexure – B for conducting detailed EIA study with following specific ToRs without conducting public hearing:

- i) There is no sewage or effluent treatment plant. There is also no proper drainage network.
- ii) The project proponent was advised to create settling tanks followed by recharge pits in the north west corner of the plant and utilize the water for various activities such as dust suppression, plantation etc., and reduce the dependency on ground water. The detailed layout and design are required to be shown at the time of presentation for Environmental Clearance.
- iii) The Project proponent shall not increase the connecting load from the state grid 20% more than the existing load.
- iv) Note on existing green area and proposed green area.
- v) Furnish details on types of alloys, its composition obtained from suppliers, types of billets/ingots manufactures and quantity of billet production etc.
- vi) The Project proponent shall provide supporting documents like Memorandum of Understanding (MoU) with Raw material suppliers in EIA report.
- vii) Detailed note on slag processing, composition of slag, facilities provided for processing along with flowchart for the same.
- viii) The Project Proponent shall clarify whether the slag will be used in land filling purpose; if so then area earmarked, how much period it can be stored and method of storage for it. If the Project Proponent is planning for slag disposal, then provide details on slag disposal process and its management.
- ix) The project proponent shall brief the Air Pollution Control measures taken and fume collection system in new induction furnaces.
- x) The project proponent shall keep provision of solar power generation.
- xi) The project proponent to furnish details of disposal of coal ash generated from the producer gas plant proposed under the expansion.

**Decision of Authority: Approved**

After detailed deliberation, the Authority decided to issue both standard and specific ToR as recommended by SEAC without public hearing.

**APPROVED BY**

  
Member Secretary, SEIAA

  
Member, SEIAA

  
14.08.24  
Chairman, SEIAA





**PARIVESH 1.0, AGENDA No.173.11**

Proposal No.	SIA/OR/MIN/307515/2023
Date of application	23.02.2024
File no.	4516/SEIAA
Project Type	Proposal for Amendment of EC for enhancement of production capacity.
Category	B2
Project/Activity including Schedule No.	1(a) Mining of Minerals
Name of the Project	Proposal for Amendment of EC of Guhuriamunda-B Stone Quarry over an area of 5.00 acres or 2.02 ha at Village-Guhuriamunda, Tahasil-Patnagarh, Dist-Balangir of Sri Suresh Agrawal
Name of the company/Organization	Sri Suresh Agrawal
Location of Project	Village-Guhuriamunda, Tahasil-Patnagarh, Dist-Balangir, Odisha
ToR date	N/A
Name of Consultant	Nil

**Proposal in brief:**

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

- This is a proposal for Amendment of EC in respect to increasing production capacity from 3510 cum/annum to 6399 cum/annum of Guhuriamunda-B Stone Quarry over an area of 5.00 acres or 2.02 ha at Village-Guhuriamunda, Tahasil-Patnagarh, Dist-Balangir of Sri Suresh Agrawal.
- EC was granted vide letter no. 1151/SEIAA dated 30.03.2021 in favour of Tahasildar, Patnagarh for extraction of stone 3510 cum/annum and total production in 5 years 17550 cum/annum.
- EC transfer vide letter no. 4516/SEIAA dt. 11.05.2022 from the name Tahasildar, Patnagarh to Sri Suresh Agrawal, the successful bidder/leess of the said quarry.
- The PP has submitted compliance report of EC conditions with mentioned that 3510 cum of stone has been extracted from the source for the period 2021-22.
- The PP has submitted mining plan and proposed for annual production 6683 cum/annum.
- The Mining Officer, Balangir has clarified vide their letter no. 317 dt. 23.02.2024 that there is discrepancy between the approved mining plan and the production capacity specified in the EC. While the approved mining plan indicates a production capacity of 6683 cum/annum, the EC granted by SEIAA states a production capacity of only 3510 cum/annum.

**2. Whether SEAC recommended the proposal** – The proposal was placed in the SEAC meeting held on 2<sup>nd</sup>, 3<sup>rd</sup> & 4<sup>th</sup> July, 2024 and the SEAC recommended to grant of Environmental Clearance valid from the date of EC accorded upto the lease period.

However, EC shall be granted after submission of satisfactory compliance of following.

- Status of plantation raised as per EMP and its present condition duly certified by local forest department officials.
- Status of implementation of Grland drains, retention wall and settling tank.



**Decision of Authority: Approved after submission of information**

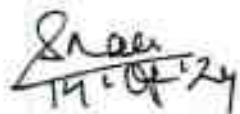
After detailed deliberation in the matter, the Authority allowed the Amendment of EC for annual extraction of stone 2683 cum/annum for rest of the lease period subject to submission of satisfactory compliance of following

- (i) Status of plantation raised as per EMP and its present condition duly certified by local forest department officials.
- (ii) Status of implementation of Grland drains, retention wall and settling tank.

**APPROVED BY**

  
Member Secretary, SEIAA

  
Member, SEIAA

  
Chairman, SEIAA





**PARIVESH I.O. AGENDA No.173.12**

Proposal No.	SIA/OR/MIN/302244/2023
Date of application	14.07.2023
File no.	54874/195-MINB1/02-2022
Project Type	Proposal for Amendment of EC
Category	B1
Project/Activity including Schedule No.	1(a) Mining of Minerals
Name of the Project	Proposal for Amendment of EC of Pratapnagari Sand Quarry over an area 5.26 ha or 13.00 acres village Pratapnagari Cuttack Sadar Tahasil Cuttack District Odisha
Name of the company/Organization	Sri Prakash Chandra Rautaray
Location of Project	village Pratapnagari Cuttack Sadar Tahasil Cuttack District Odisha
ToR date	N/A
Name of Consultant	Nil

**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 amendment Environmental Clearance for Pratapnagari Sand Quarry over an area 5.26 ha. or 13.00 acres Village Pratapnagari Cuttack sadar Tahasil Cuttack District of Sri Prakash Chandra Rautaray as per the Replenishment Study Report.
2. Environmental Clearance for the proposal was granted vide EC identification no. EC22B001OR162187 dt. 03.06.2022.
3. In Approved Mining Plan, the miniable reserve was 137520 cum with depth of sand deposition 3.0 meter and the annual production capacity is 16500 cum/year.
4. SEIAA has permitted for 15780 cum/year for 1st year for sand extraction, followed by submission of Replenishment Study Report by November 2022.
5. Replenishment Study Report has been submitted by PP. Both Pre monsoon (April 2022) and Post Monsoon (Dec 2022) study has been carried out by field survey Method.
6. Amount of sand replenished is 12800cum and available mineable reserve is 29350cum.
7. The PP has proposed for same 12800 cum/year for 2nd year in application form.
8. The SEAC in its meeting held on dated **02nd, 03rd, 04th and 05th August 2023** decided to take decision on the proposal after receipt of the following information/documents from the concerned Tahasildar/PP:
  - i) Clarifications from project proponent on the discrepancies of pre-monsoon and post-monsoon survey dates mentioned at various places of the study report. The project proponent needs to state the date of pre-monsoon survey correctly. In page 53, it is mentioned May 2022 as pre-monsoon survey whereas page 61 post-monsoon survey date is mentioned as 21.05.2022. Similarly, Table 6 in page 70 states post-monsoon survey month October 2022. The project proponent to state clearly the dates of pre-monsoon and post-monsoon survey.
  - ii) The image plates of pre-monsoon survey with date stamp of the pre-monsoon survey date to be made available. Image plates of post-monsoon survey carried out on 19.11.2022 are only seen in the above-mentioned report.



9. The Project Proponent has submitted compliances of the SEAC by addressing the queries raised by SEAC in the replenishment study report in page no. 2, 10 & 70. The date of survey for pre & post monsoon has been incorporated as 21.05.2022 & 19.11.2022 respectively. The image for the quarry lease area has been given in page no 12 of the replenishment study report. Revised Replenishment Report has been submitted.
10. The SEAC in its meeting held on dated **07th, 08th and 11th September 2023** decided to take decision on the proposal after receipt of the following from the concerned Tahasildar/PP:
- (i) Photographs of the ML site with date and time stamp of pre and post monsoon survey days have not been given. Only Google photo of ML area and relief map of ML area prepared by survey have been given.
11. The Project Proponent has submitted compliances of the SEAC by submitting photographs of Pre-Monsoon and Post Monsoon periods.
12. The SEAC observed the following:
- i) The Google image shows more than 90% of the lease area is covered with water.
  - ii) The photographs submitted in compliance report, one cannot make out the position of pillars in the lease area.
  - iii) Though vast area beyond the lease area looks covered with sand, the surface plan & geological plan shown in drawings are different than the actual satellite image. (iv) The calculation of volume of sand (mineable reserve as per Pre & Post monsoon study by cross sectional method) deposited is 10292cum.
13. The SEAC in its meeting held on dated **28<sup>th</sup>, 29<sup>th</sup> and 30<sup>th</sup> December 2023** decided to take decision on the proposal after site visit by sub-committee of SEAC to verify the availability of sand in the proposed quarry.
14. The proposed site was visited by Sub-Committee of SEAC on dated **30.03.2023** and following observations as mentioned below:
- Following observations are made from KML file
- i) Size of the lease area: 154m x 90m.
  - ii) 54m. towards south west is sand covered.
  - iii) Top 100m. looks as bank of river with levels varying from 39 m. to 44m.
  - iv) PHED water treatment plant is 90m. towards north east of the lease area.
  - v) One playground at RL 47m. is located at 50m. towards north of lease area.
  - vi) A bridge and Puri canal syphon crossing Kuakhai river is about 250m. Northward (Upstream) of lease area.
- The observations at during site visit are as follows:-
- a) The lease area is completely free from water.
  - b) Pillars were not seen in lease area.
  - c) Access road to the quarry is not clear
- vii) The KML file photo shows vast area beyond lease area covers with sand and the site condition also reveals that only 20% of lease area is sand and balance is stabilized bank and not advisable for consideration of mining. Sand mining of the area may risk the flood protection facility of the river at the location
- viii) The entire lease area appears to be within 500 m of Downstream of existing Bridge and Syphon. As per annexure -2 of EC (03.06.2022), no mining should be done at 500m. D/S of bridge/ public civil structure. But para 7.15 of EC states "In case river bridge, no mining zone shall extend up to 200m. from the bridge and it may extend up to 500m in sensitive locations."
- Observations: As per the guidelines 2020, the lease area may not be suitable for sand extraction as within distance of 500m from bridge and syphon. It is suggested to shift the location downward with adequate safety distance from vulnerable constructions and areas.**



**Whether SEAC recommended the proposal** – The proposal was placed in the SEAC meeting held on 16.05.2024 and after detailed discussion, the SEAC recommended to reject the proposal as the lease area may not be suitable for sand extraction as within distance of 500m from bridge and syphon. It is suggested to shift the location downward with adequate safety distance from vulnerable constructions and areas.

**Decision of Authority: ADS**

The Authority perused the site inspection report dated 30.03.2023 of the sub-committee of SEAC with the following observation:

- i) Size of the lease area: 154m x 90m.
- ii) 54m. towards south west is sand covered.
- iii) Top 100m. looks as bank of river with levels varying from 39 m. to 44m.
- iv) PHED water treatment plant is 90m. towards north east of the lease area.
- v) One playground at RL. 47m. is located at 50m. towards north of lease area.
- vi) A bridge and Puri canal syphon crossing Kuakhai river is about 250m. Northward (Upstream) of lease area.

The observations during site visit are as follows:-

- a) The lease area is completely free from water.
- b) Pillars were not seen in lease area.
- c) Access road to the quarry is not clear
- vii) The KML file photo shows vast area beyond lease area covers with sand and the site condition also reveals that only 20% of lease area is sand and balance is stabilized bank and not advisable for consideration of mining. Sand mining of the area may risk the flood protection facility of the river at the location
- viii) The entire lease area appears to be within 500 m of Downstream of existing Bridge and Syphon. As per annexure -2 of EC (03.06.2022), no mining should be done at 500m D/S of bridge/ public civil structure. But para 7.15 of EC states "In case river bridge, no mining zone shall extend up to 200m. from the bridge and it may extend up to 500m in sensitive locations."

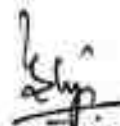
These facts are also corroborated from the Kml file in google earth map.

After detailed discussion, the Authority decided to issue Show Cause notice to the PP for cancellation of EC identification no. EC22B001OR162187 dt. 03.06.2022 as the lease area is coming within a distance of 500 meter from near by bridge and existing of a syphon of the puri main canal adjacent to the lease area.

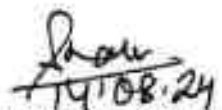
**APPROVED BY**



Member Secretary, SEIAA



Member, SEIAA



Chairman, SEIAA



**PARIVESH 1.0, AGENDA No.17**

Proposal No.	SIA/OR/MIN/459097/2024
Date of application	17.01.2024
File no.	459097/11-MIN/01-2024
Project Type	Proposal for fresh EC
Category	B1
Project/Activity including Schedule No.	I(a) Mining of minerals
Name of the Project	Proposal of EC for extraction of sand from Olagada Tartol Mahanadi Sand Sairat over an area of 20.00 Acres or 8.09 Ha having Khata No. 377,336, Plot No. 1270,1123 in village Olagada and Tartol under Tirtol Tahasil of Jagatsinghpur District, Odisha.
Name of the company/Organization	Sri Sagar Kumar Ray
Location of Project	village Olagada and Tartol under Tirtol Tahasil of Jagatsinghpur District, Odisha.
ToR issued date	27.12.2021
Name of the consultant	M/s. Green Circle Inc.

**1. Proposal in brief:**

- i) The highlights of the proposal as ascertained from the application and as revealed from proceedings/discussion held during the meeting of SEAC/SEIAA, are given as under.
- ii) This is a proposal for mining of sand from Olagada Tartol Mahanadi Sand Sairat over an area of 20.00 Acres or 8.09 Ha having Khata No. 377,336, Plot No. 1270,1123 in village Olagada and Tartol under Tirtol Tahasil of Jagatsinghpur District, Odisha.
- iii) The mining area is a part of Survey of India Toposheet No. 731/7 and is bounded between the Latitude - 20° 19' 10.773" N to 20° 19' 17.254" N and Longitude - 86° 21' 31.739" E to 86° 21' 57.527" E.
- iv) The mining lease is an identified sairat source in the DSR. The Olagada Tartol Mahanadi Sand Sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Tirtol to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- v) Documents submitted: -Form-I, PFR, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, topo map etc.
- vi) Whether submitted KML file of the lease area-Yes
- vii) Whether submitted scrutiny fee-Yes, of Rs. 2000/- vide e Challan Reference id no. 334082E17C dt. 25.01.2022
- viii) Distance from nearest sanctuary/ESZ- Bhitarkanika WLS-84.0 Km
- ix) Whether the lease area coming in DLC report-N/A.
- x) Whether the lease area reflecting in DSR-Yes
- xi) Method of mining-Manual
- xii) River- Mahanadi, Depth of sand deposition-0.5 meter
- xiii) Distance from nearest road bridge-2.5 km, village road -0.50 km
- xiv) Whether it is part of cluster -No
- xv) Whether EC obtained earlier-Yes



**Minutes of 173<sup>rd</sup> Meeting of SEIAA, Odisha held on 06.08.2024 & 08.08.2024**



- xxv) Date of approval of mining plan- the Deputy Director of Geology, Steel & Mines vide letter no. 5469 dt. 15.09.2021
- xxvi) Production capacity per annum-23300 cum/annum (max.), total production in 5 years period-116500 cum, Geological reserve-110544 cum and Mineable reserve-88182 cum
- xxvii) 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
- xxix) ToR was issued by SEIAA odisha vide letter no. 4585/SEIAA dt. 19.05.20222
- xx) Public hearing was conducted on 25.11.2022 at Bana Gachha Tabkur Padia and main issues raised in PH are supply sand at nominal price for local villager, transportation the sand in cover vehicle and air pollution etc.
- xxi) ARRS reported submitted by PP and was done by AREAL CONSTRUCTIONS & GEO-INDIA SERVICES, the ORSAC Empanelment Agencies with mentioned that the pre-monsoon Standard Elevation = 12.95199142 & Post-Monsoon Standard Elevation = 13.40343348, the quantity of sand replenished is 12753 cum and proposed production is 7651 cum.
- xxii) The EMP budget provision of Capital Cost-1,45,000/- & Recurring Cost- 75,000/-
- xxiii) Any deficiencies/omission have been noticed in the above documents- Nil

**2. Whether SEAC recommended the proposal –** The proposal was placed in the SEAC meeting held on 01.02.2024 and the SEAC recommended for grant of Environmental Clearance for the proposal valid upto lease period with stipulated conditions as per Annexure – A and following specific conditions:

- (i) Amended EIA Notification dated 25th July, 2018, Guidelines for sustainable sand mining, 2016 and Enforcement and Monitoring Guidelines for Sand Mining, January 2020 of MoEF&CC, Govt. of India shall be adhered to in execution of Mining as per Annexure – B.
- (ii) In absence of proper Replenishment Study Report, the SEAC recommended sand for 1st year to a capacity of 60% of annual production capacity as approved in the mining plan.
- (iii) Issues raised in Public Hearing shall be complied by the project proponent.
- (iv) Sand extraction shall be limited to quantity and depth as per replenishment study report. Regular replenishment study as per guidelines to be conducted and report to be submitted.
- (v) Provision of Bio-toilet shall be made at the site.
- (vi) Avenue plantation and plantation on both sides of the haulage road in consultation with/ on the advice of concerned Forest Department, Government of Odisha & W.R. Department Government of Odisha as well.
- (vii) Stone patching with plantation in between along the stretch of the bank associated with sand mining and necessary ramp construction shall be made.
- (viii) No natural water course shall be obstructed or diverted for the purpose of sand mining.
- (ix) As per Sand Sustainable Guidelines, 2020, the proponent shall ensure that no mining should be allowed below water level.

**3. The proposal was placed in 157th SEIAA meeting held on 22.02.2024 and The Authority observed that the PP has proposed the production quantity of sand of 7651 cum/ annum against the quantity of 12753 cum/ annum of sand stated to be replenished as per ARRS report. The SEAC recommended for extraction of sand for 1st year to a capacity of 60% of annual production capacity as approved in the mining plan which is higher than 7651 cum.**

After detailed deliberation in the matter, the Authority decided to refer back the proposal to SEAC for re-examination of ARRS report and recommendation the same.

**Minutes of 173<sup>rd</sup> Meeting of SEIAA, Odisha held on 06.08.2024 & 08.08.2024**

4. The proposal again placed in SEAC meeting held on 02.07.2024 and the SEAC observed the following:
- (i) SEAC observations as per proceeding dated 01-02-2024 was that the RS was not proper.
  - (ii) Since it is the 1st year mining, SEAC recommended 60% of the quantity as per approved mining plan following all other terms and conditions of sand mining.
5. The matter was discussed again and SEAC reiterates its previous recommendations.

**Decision of Authority: ADS**


Since; this is a B1-category project and ToR was issued for EIA & EMP along replenishment study of sand bed accordingly, the PP has submitted EC application. In this matter the SEAC opined that the replenishment study was not proper and recommended 60% of the sand quantity as per approved mining plan.

After detailed deliberation in the matter, the Authority decided that the PP is required to submit Annual Rate of Replenishment Study (ARRS) report as per extant guidelines.

**APPROVED BY**

  
Member Secretary, SEIAA

  
Member, SEIAA

  
Chairman, SEIAA





**PARIVESH 1.0, AGENDA No.173.31**

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. Ilyas 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

**2. Proposal in brief:**

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

- The proposal was considered by the committee to determine the "Terms of Reference (ToR)" for undertaking detailed EIA study for the purpose of obtaining Environmental Clearance in accordance with the provisions of EIA Notification, 2006 and amendment thereafter.
- This proposal is for Terms of Reference for EIA study for M/s Ilyas 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.
- 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.).
- 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 Ilyas Granites.
- 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.
- 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	Bhagabampur Stone	Decorative 8	31.80	EC Identification No: EC22B001OR151903 dated 13.04.2022
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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).

The salient source is in process of inclusion in approved DSR.

- (ix) Location and connectivity: The proposed project is situated at Village-Bhagabampur, Tahasil-Kukudahandi, District-Ganjam, Odisha-State. The site falls under Toposheet No. E45A11. The geographical co-ordinates are Latitude - 19020'04.10"N to 19020'24.50"N & Longitude - 84043'15.70"E to 84043'33.10"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 - Ranguda 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.

- (x) Total reserves and production:

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

- (xi) Production Plan:

Year	Total Volume of excavation (m <sup>3</sup> )	Volume of waste / rejects @ 70% (m <sup>3</sup> )	Volume of Decorative Stone (Block & Khanda) @ 30% (m <sup>3</sup> )
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

- (xii) 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.
- (xiii) 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.
- (xiv) Waste generation and management: During the proposed plan period, a total of 70070 m<sup>3</sup> of waste or 84084m<sup>3</sup> 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. 56,056m<sup>3</sup> 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. 14,014m<sup>3</sup> will be confined to be dumped temporarily on the demarcated area nearer to the southern boundary in the M.L. area over 0.495 hectares at an average of 3m height maintaining the overall slope of the dump at 220.
- (xv) Baseline Study Monitoring: The Baseline Study has been conducted in the period March to May 2024.



- (xv) 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.
- (xvi) Power requirement: No electricity connection within ML area. However solar lights will be employed for day today living purposes. Diesel requirement of 6000liters/month for operation of mining equipment and DG sets.
- (xviii) 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.
- (xix) 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.
- (xx) Project cost: The total project cost of the mining is 400 Lakhs. The capital cost of EMP will be 40 Lakhs.
- (xxi) 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.

2. **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.

- (i) 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.
- (ii) Submit the approved DSR after inclusion of the present sairat source in it.
- (iii) Revised KML file showing all 5 nearby mines in cluster.
- (iv) Submit a report from the Steel and Mines Deptt. regarding the total mineralized area in that region.
- (v) Submit waste disposal management system and its re-utilization process adopted.
- (vi) Submit traffic study report vetted by Institute of repute.
- (vii) 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.
- (viii) Certificate from concerned DFO that there is no involvement of Forest land.

3. The proposal was placed in 170<sup>th</sup> SEIAA meeting held on 03.07.2024 & 04.07.2024. 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.

4. Now, the PP has submitted ADS reply by with mentioned that NA.

**Decision Of Authority: Rejected**

After detailed delcibetaion, the Authority decided to reject the ToR application due to want of approved DSR as per Hon'ble Supreme Court order dated 10.11.2021.

**APPROVED BY**

Member Secretary, SEIAA

Member, SEIAA

Chairman, SEIAA