

Minutes of 177th Meeting of SEIAA, Odisha held on 28.10.2024 & 29.10.2024

PARIVESH 1.0, AGENDA No.177.07	
Proposal No.	SIA/OR/MIN/406591/2022
Date of application	07.09.2023
File no.	406591/823-MINBI/09-2023
Project Type	Proposal for EC
Category	B1
Project/Activity including Schedule No.	1(a) Mining of Minerals
Name of the Project	Proposal for EC for Kharida Sand Bed Mining Project on junction of Rushikulya & Ghomhara River over an area 5.261 ha at Khata No-554, Plot No-4553/1 & 4532/1, Village- Kharida, Tehsil Hinjilicut, District-Ganjam
Name of the company/Organization	Sri Kiran Kumar Panda
Location of Project	Village- Kharida, Tehsil Hinjilicut, District-Ganjam
ToR Date	27.12.2021
Name of the Consultant	M/s Cogrizance Research India Pvt. Ltd., Noida
Whether submitted scrutiny fee (Yes/No)	Yes, Rs. 2000/- vide e Challan Reference Id No. 311B703695 dated 13.09.2021
Whether submitted payment of receipt towards tree plantation (Yes/No)	To be given

Proposal in brief:

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

1. This proposal is for Environmental Clearance for Kharida Sand Bed Mining Project on junction of Rushikulya & Ghomhara River over an area 5.261 ha at Khata No-554, Plot No-4553/1 & 4532/1, Village- Kharida, Tehsil Hinjilicut, District- Ganjam of Shri Kiran Kumar Panda.
2. **Category:** As per EIA Notification, 2006 and its subsequent amendments, the proposed project falls under Category B in Schedule in item 1(a)- Mining of Minerals.
3. The Mining Lease has been granted vide letter no.1587 dated 02.03.2021. The Successful Bidder is Sri Kiran Kumar Panda, S/o- Late Gopinath Panda, Khalasi Sahi, Po: Berhampur, PS: Berhampur Sudar, Dist: Ganjam, State: Odisha.
4. The Mining Plan of Kharida Sand Bed Mining Project has been approved by Deputy Director of Geology, O/o The Joint Director of Geology, South Zone, Berhampur, Odisha vide letter no.1274 dated 06.10.2020.
5. This Mining lease is an identified silt source in the DSR Report Page no.36 and serial no. 5.
6. **TOR details:** The Terms of Reference (TOR) letter was issued by SEIAA, Odisha vide letter No.3683/SEIAA Dated 27.12.2021.
7. **Public hearing details:** Public Hearing was conducted on 09/09/2022 at: Debastali, Shri Maa Kureisuni Thakurani Hata (Over Plot No.4728 in Khata No. 555) in Village Kharida under Hinjilicut Tahasil of Ganjam district. Issues raised during public hearing are environmental protection, covering of loaded transporting vehicles, local employment, local development and development of temple.
8. **Location and connectivity:** The mine lease are a is located in Village -Kharida, Tehsil-Hinjilicut, District-Ganjam, and is on Khata No-554, Plot No-4553/1 & 4532/1 of Rushikulya & Ghomhara River. The project is covered in the Survey of India Topo Sheet No-74A/15, 74A/14 and is bounded between the Latitude-19°30' 70"N to 19°29'52.56"N and Longitude

Minutes of 177th Meeting of SE/AA, Odisha held on 28.10.2024 & 29.10.2024

84°46'40.02"E to 84°46'40.19"E. The Nearest Airport is Biju Patnaik International Airport approx. 136km towards NE. The Nearest Road Bridge is near about 2.5km in E Direction. Nearest River Embankment is 1.7km. Nearest Electric Transmission Line is 900m.

9. **Reserves and production:** The total Geological reserves is 48729 cum and Mineable Reserves is 41779 cum and the Proposed Production for the Proposed Project is 15501 cum/year.

Year	Surface area in Sq.mt	Thickness of sand in mtr.	Volume of sand in cu.m	Recovery Factor (100%)	Production of sand in cu.m/Annum
i)	10334	1.5	15501	1	15501
ii)	10334	1.5	15501	1	15501
iii)	10334	1.5	15501	1	15501
iv)	10334	1.5	15501	1	15501
v)	10334	1.5	15501	1	15501
TOTAL					77505

10. **Replenishment study details:** The Replenishment study was done during Pre- and Post-Monsoon Period (May 2022 & November 2022) by Physical Method Survey which was conducted with the help of Total Station Survey Instrument and two numbers of GPS (GARMIN Trex 10) hand held GPS. After the Replenishment study it was found that 27,853 cum of sand have been proposed to be replenished annually.

11. **Baseline study details:** Baseline Study was conducted during December, 2019 to Feb., 2020.

Parameter	No. of Locations	Environmental Baseline Study
Ambient Air Quality Monitoring	7 locations	PM _{2.5} - 39.4 µg/m ³ to 55.9 µg/m ³ PM ₁₀ - 60.56 to 92.14 µg/m ³ SO ₂ - 4.5 to 11.8 µg/m ³ NO ₂ - 11.3 µg/m ³ to 22.1 µg/m ³
Noise level monitoring	4 locations	During daytime- 45.3 to 55.8 Leq dB(A) During Night time- 38.4 to 43.5 dB Leq dB(A) Results were found within permissible limits
Water samples	Surface water - 2 locations	pH (7.2 to 7.8), Chloride (66 - 98 mg/l) DO (6.8 to 7.8 mg/l) etc. are found within permissible limits & fit for consumption.
	Ground water- 4 locations	All parameters like TDS (412 mg/l to 505 mg/l), pH (7.38 to 7.52), Chloride (76 mg/l to 118 mg/l), Fluoride (0.40 mg/l to 0.70 mg/l) etc. are found within permissible limits & fit for consumption.
Soil Samples	5 locations	pH- 7.32 to 8.40 Conductivity- 124-141 µmhos/cm

12. **Mining method:** The Method of Mining will be open cast Manual Method. Extraction and loading into truck & Tractor will be done by manual means. The transportation from Sand Quarry site to destination shall be achieved by dumper/tractor.

13. **Water requirement:** Total water requirement for the proposed project will be 9.86 KLD.

Sr. No.	Purpose	Manpower/Area	Water Demand (KLD)	Source
i)	Drinking	Manpower (18) 18*10L = 180 lpcd	0.18	Nearby village

Minutes of 177th Meeting of SEIAA, Odisha held on 28.10.2024 & 29.10.2024

ii)	For other (Toilet)	Manpower (18) 18*10L = 180 lped	0.18	Private tanker (Treated Water /Pond Water)
iii)	Plantation	250trees *2L = 500L	0.5	Private tanker (Treated Water /Pond Water)
iv)	Dust Suppression	Length= 900m Width= 5m Area= 900*5=4500m ² 4500*2L =9000 L	9.0	Private Tanker (Treated Water /Pond Water)
Total			9.86	

14. **Greenbelt development:** 250Plantsareproposedtobeplantedforthe Proposed project.

Year	No. of plants
1 st	50
2 nd	50
3 rd	50
4 th	50
5 th	50
Total	250

15. **Manpower requirement:** 18 nos of manpower are required for the proposed project.

16. **Project cost:** Estimated Project Cost is 55.90 lakh while EMP Cost is Rs 9,47,500.

Table- Budget for occupational health

S. No	Activity	Amount
i)	Doctors Visit	500*18*2= 18,000
ii)	Medicine Budget	500*18*2= 18,000
iii)	Quarterly pulmonary function test	600*4* .8= 43,200
iv)	Extra Budget for medical test if required as per doctor's recommendation	60,000
Total		1,39,200/-

Table: Budget for environmental protection

Activities to be done		Amount
Haulage Road Repair & Maintenance <ul style="list-style-type: none"> Filling, Leveling and widening of the road up to width of 5m and length of 900 m. Setting & Fixing of Cut Stone on the leveled road. 	900 m (L) x 5 m (W)	1,00,000 (P.A)
Water Sprinkling on Haulage Road for Dust Suppression	Assuming Rs.1200/day for 260 days of working Tanker Cost: Rs. 600/Tanker Tanker Capacity: 4500 liter, No. of Tankers required: 2	3,12,000 (P.A)
Plantation along the road side & post plantation care	Plantation@100/sapling (50 sapling/Year) Post plantation care @500/day Note: Annual cost will increase with increase in no. of sapling.	5000 (P.A) 1,30,000 (P.A)

Minutes of 177th Meeting of SEIAA, Odisha held on 28.10.2024 & 29.10.2024

Environmental Monitoring & Compliances.	<ul style="list-style-type: none"> ➤ Half Yearly Monitoring of Environmental Parameters viz. Air, water, Noise & Soil. ➤ Half Yearly Submission of Compliances. 	4,00,000 (P.A)
➤ TOTAL		9,47,000

Table: CER Budget

Sr. No.	Activity	Capital Cost (In Rs.)
	Development of Temple in Kharida Village	1,12,000/-

17. **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.
18. **The SEAC in its meeting dated 22-09-2023 decided to return the proposal to SEIAA for the following compliances from the proponent.**
- a) Replenishment study report of the proposed project is not accepted. Details of CCPs not given. Basis of P1 to P11 points is not there in the study report. Cross-sectional depiction of deposition and erosion for each section in pre and post monsoon season, supported by relevant field study data and plan, not given. The proponent shall redo the replenishment study report from authorized agency for further consideration of the proposal.
 - b) RL of the mining area and groundwater table in rainy season should be furnished.
19. The proposal was placed in the 141st meeting of SEIAA held on 1st and 2nd November, 2023 and the authority perused the recommendation of SEAC and decided that the PP is required to submit the following documents / explanation:
- a) Replenishment study report of the proposed project is not accepted. Details of CCPs not given. Basis of P1 to P11 points is not there in the study report. Cross-sectional depiction of deposition and erosion for each section in pre and post monsoon season, supported by relevant field study data and plan, not given. The proponent shall redo the replenishment study report from authorized agency for further consideration of the proposal.
 - b) RL of the mining area and groundwater table in rainy season should be furnished.
 - c) The proposed lease area contained a confluence point of Ghedahada River and Rusikulya River. The PP is required to submit an action plan for protection of river channel in the confluence point.
20. Now the PP has submitted the necessary clarification for consideration of EC.
21. The proposal is placed 144th Meeting of SEIAA, Odisha held on 30.11.2023 & 01.12.2023 the SEIAA decided to referred back the proposal to SEAC for further examination.
22. **The SEAC has gone through the compliances furnished by the proponent and have following details in the report:**
- i) Pre and post monsoon surveys have been carried out in June and October months respectively in the year 2023.
 - ii) Photogrammetry drone survey method has been used to arrive at the difference in elevations of the riverbed sand during the survey periods using Digital elevation model / Surface terrain model.
 - iii) Ground control points have RMS errors of 2.727 meters, 1.116 meters and 2.589 meters in X, Y and Z directions respectively. These errors are significant compared to the reported difference in riverbed sand elevation.
 - iv) The replenished volume of sand has been reported to be 50,135 cum based on average estimated elevation difference of 1.2 meters.
2. **Whether SEAC recommended the proposal** – The proposal was placed in the SEAC meeting held on 01.12.2023 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:
- a) Amended EIA Notification dated 25th July, 2018, Guidelines for sustainable sand mining.

Minutes of 177th Meeting of SEIAA, Odisha held on 28.10.2024 & 29.10.2024

- 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**. Therefore, no mining shall be carried out upto 500 meters of the bridge.
- b) Extraction of sand 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.
 - c) Provision of Bio-toilet shall be made at the site.
 - c) 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.
 - e) Stone patching with plantation in between along the stretch of the bank associated with sand mining and necessary ramp construction shall be made. No mining shall be undertaken in the central part along the confluence point with a minimum width of 10 meter.
3. The proposal was placed in 151st SEIAA meeting held on 11.01.2024 & 12.01.2024. The Authority peruse the reply dt. 21.11.2023 of the Tahasildar, Hinjilicut enclosing an action plan for protection of River channel in confluence point which is very sketchy and devoid of any technical details and measurement.
- After detailed deliberation in the matter, the Authority decided that the PP should prepare a concrete plan and estimate for protection of river channel in the confluence point of River Ghodahada and River Rushikulya and obtain NOC from the Water Resource Dept. for the mining proposal along with technical approval of the action plan.
- Accordingly, AD3 letter was issued to the PP dated 05.02.2024
4. Now, the PP has submitted clarification dated 24.07.2024 with mentioned that based on the SEIAA dated 05.02.2024, modified mining plan has been prepared and approved dated 06.09.2024 with mentioned that the lease area fall at the confluence point of River Ghodahada and River Rushikulya. But after field verification by the Tahasildar and Revenue team with mining officer it is observed that the mining should be confined without touching the confluence point zone. Hence, the plot no. 4531/1 which was actually situated at the confluence point zone has been eliminated and plot no. 4532/A has been proposed for mining. Hence, the modification mining plan has been prepared and approved.
- Decision Of Authority: Approved subject to submission of information**
- After detailed deliberation, the authority approved the EC with specific and standard conditions subject to the submission of the following:
1. The PP shall deposit of Rs.2,75,000/- by the project proponent with the respective District Environment Society for raising 550 plants (minimum @100 trees per Ha) of native species within 2 years in a suitable location adjoining to quarry and submit the proof of payment.
 2. The extraction of sand shall be limited to 15,500 cum per annum valid upto the lease period subject to the quantity prescribed in the revised ESR or modified Mining Plan (approved by the competent authority) whichever is less.

Signed by



Member Secretary, SEIAA



Member, SEIAA



Chairman, SEIAA

Minutes of 177th Meeting of SEIAA, Odisha held on 28.10.2024 & 29.10.2024

PARIVESH I.0, AGENDA No.177.08	
Proposal No.	SIA/OR/MIN/422043/2023
Date of application	13.04.2023
File no.	422043/810-MINB1/04-2023
Project Type	New EC proposal
Category	B1
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for EC of Badaoolma Sand Mining Cluster consisting of 3 Sand Quarries on river Angi over an area of 9.383 ha. or 23.20 acres in Badaoolma mouza, Tahasil Dabugaon, District Nabarangapur submitted under cluster approach with consisting of 3 Sand Quarries.
Name of the company/Organization	Tahasildar, Dabugaon
Location of Project	Badaoolma mouza, Tahasil Dabugaon, District Nabarangapur
ToR Date	26-02-2021
Name of the Consultant	M/s P & M Solution, Noida
Whether submitted scrutiny fee (Yes/No)	Yes, Rs. 2000/- vide e Challan Reference Id No. 3380E7A921 dated 05.12.2022
Whether submitted payment of receipt towards tree plantation (Yes/No)	To be given

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

1. This proposal is for Environmental Clearance of Badaoolma Sand Mining Cluster consisting of 3 Sand Quarries on river Angi over an area of 9.383 ha. or 23.20 acres in Badaoolma mouza, Tahasil Dabugaon, District Nabarangapur of Tahasildar Dabugaon (submitted under cluster approach with consisting of 3 Sand Quarries).
2. **Category:** As per EIA notification 2016 and subsequent amendments, the project is coming under category 'B' (B1) under Schedule of activity 1(a)-Mining of Minerals.
3. **Project details:** The cluster include three mining lease area i.e., Badaoolma I sand bed over an area of 4.01 Ha or 9.91 Acres in favour of successful bidder Niranjan Swain (LOI letter no.885/2020, dated 26.06.2020) Badaoolma II Sand bed over an area of 2.553Ha or 5.31 Acres in the favour of successful bidder Soumya Ranjan Mishra (LOI letter no 1402/2020, dated 21.09.2020). and Badaoolma III sand bed over an area of 2.82 Ha, 6.98 Acres in favour of Sri Prem Chand Gupta (LOI letter no 1397/2020, dated 21.09.2020). All the three mines located within 500m radius from each other forming a cluster of sand bed. The Quarry lease of Badaoolma-I, II, III has been granted by Tahasildar Dabugaon to the successful bidders for excavation of minor mineral (River Sand) for five years.
4. Mine plan for Badaoolma Sand Quarry – I, II, III has been approved by Joint director, Geology, Koraput vide letter no 1102 dated 08.06.2020; letter no 2228 dated 21.07.2020; letter no 2190 dated 20.07.20 respectively.
5. These are new mines in cluster as per DSR, Nabarangpur.
6. **TOR details:** Terms of Reference (TORs) has been granted by SEIAA- Odisha vide the Reference No: 649/SEIAA dated 26-02-2021.
7. **Public hearing details:** Public hearing was successfully executed on date 20.07.2022 at Gram Panchayat office premises of Badaoolma village under Dabugaon Tahasil in Nabarangpur District per the guidelines given in EIA Notification 14th September' 2006 and its subsequent amendment. Issues raised during public hearing of the Sand mining from the river bed, widening of roads as plying of vehicles

will be more, road maintenance, plantation, dust suppression measure, protection of environment, peripheral development. CER budget proposed is Rs.120000.

Table-CER Budget

Sl. No.	Activity	Capital Cost (in Rs.)/annum
1.	Financial aid for medical camp in Badaoolma village.	60,000
2.	Skill development program camps like computer learning, sewing etc. in Badaoolma village.	60,000
TOTAL		1,20,000

8. **Location and connectivity:** The proposed River Bed Sand Mining will be carried out on Angi River located at village: Badaoolma, under Tahasil: Dubugan, Dist Nabarangpur, Odisha. The Lease Cluster over an area of 9.383 Ha bearing Khata No.326, Plot No: 778,855,760,449,518,855,803,916 Kisan-Nadi. The project site is located in survey of India toposheet no (73G/4, 651/7) (Badaoolma I falls between latitude of Latitude: 31°17'02.23"N to 31°27'54.68"N Longitude: 82°18'55.23"E to 82°19'10.23"E and Badaoolma II falls between Latitude: 31°17'02.23"N to 31°27'54.68"N Longitude: 82°18'55.23"E to 82°19'10.23"E. Badaoolma III falls between latitude of 19°23'32.92"N to 19°23'45.33"N and longitudes of 82°18'47.38"E to 82°18'57.05"E. Nearest road is village road which is located the distance of 100 meter from cluster area. The site is well connected to NH-130 CD & SH-39 at the distance of 11.00 Km in NE direction. Nearest Railway Station is Ambagan Railway Station which is located on distance of 39.00 Kms in SW direction from the lease area.
9. **Topography and drainage:** The topography of the area is a flat terrain which lies at an elevation of more than 2m from the level of flow of water. The gradient of flow of water in the river is gentle. So, in the lease area, the highest elevation is 115mRL & lowest elevation is 113mRL in sand. The lease area here is a river sand quarry. Drainage system in the region is dendritic. General flow direction of river is from North to South. Work will continue only during summer months when there is no water in the leasehold. Mining will be restricted to a depth above the ground water level.
10. **Baseline study:**
 - a) **Ambient air quality:** Ambient Air Quality Monitoring reveals that the minimum & maximum concentrations of PM10 for all the 7 AQ monitoring stations were found to be 58.7 µg/m³ at AQ3 and 88.20 µg/m³ at AQ1, respectively. Ambient Air Quality Monitoring reveals that the minimum & maximum concentrations of PM2.5 for all the 7 AQ monitoring stations were found to be 23.21 µg/m³ at AQ3 and 49.95 µg/m³ at AQ1, respectively. As far as the gaseous pollutants SO₂ and NO_x are concerned, the prescribed CPCB limit of 80µg/m³ for residential and rural areas has never surpassed at any station. The minimum & maximum concentrations of SO₂ were found to be 5.69 µg/m³ at AQ3 & 15.94 µg/m³ at AQ1, respectively. The minimum & maximum concentrations of NO_x were found to be 9.83 µg/m³ at AQ3 & 26.48 µg/m³ at AQ1, respectively.
 - b) **Groundwater analysis:** pH varies from 7.19 to 7.73 during study period. Total hardness varies from 280.34 mg/l to 329.4mg/l. Total dissolved solids vary from 846 mg/l to 1238 mg/l.
 - c) **Surface water analysis:** The analysis results indicate that the pH ranges between 7.32 and 7.72. Dissolved Oxygen (DO) was observed in the range of 6.8 to 7.4 mg/l against the minimum requirement of 4 mg/l. BOD values were observed to be in the range of 3.62 – 4.3 mg/l. The chlorides and Sulphates were found to be in the range. Bacteriological examination of surface water samples revealed the presence of total coliform in range of 1.8×10³ MPN/100 ml to 2.0×10³ MPN/100 ml.
 - d) **Soil analysis:** Samples collected from identified locations indicate the soil is sandy type and the pH value ranging from 7.25 to 8.02, which shows that the soil is alkaline in nature. Potassium is found to be from 234.20mg/kg to 253.56mg/kg. The water holding capacity is found in between 26.94 % to 37.09%.

- e) Noise level study: Noise monitoring reveals that the maximum & minimum noise levels at day time were recorded as 59.4 Leq. dB (A) at NQ3 & 50.6 dB (A) at NQ5, respectively. The maximum & minimum noise levels at night time were found to be 48.2 dB (A) at NQ3 & 38.8 dB (A) at NQ5. There are several other sources in the 10 km radius of study area, which contributes to the local noise level of the area. Traffic activities as well as activities in nearby villages and agricultural fields add to the ambient noise level of the area.
11. **Replenishment study:** For the said project replenishment study has been done by UAV/Drone survey (volumetric survey) method. The first survey has been carried out in the month of May/June before closing of mines for monsoon season. The second survey is carried out in the Month of Nov/Dec after the monsoon.
12. The volume of sand available in Badaoolma-I sand quarry after post monsoon study is around 22168.25 m³, which can be treated as safe extractable within the framework of the study after arrival of river level. As it is a new mine no excavation has done in this year. So, total mineable reserve available for mining is $30360 + 22168.25 = 52,528.25$ m³ whereas, approved production capacity for the year is 6072 m³. Reported replenished volume of sand as per the study is 16057 cum. 0.95 m is the reported difference in level of sand during pre and post monsoon periods multiplied by the water free minable area of 16903 m².
13. The volume of sand available in Badaoolma-II sand quarry after post monsoon study is around 8088.6 m³, which can be treated as safe extractable within the framework of the study after arrival of river level. As it is a new mine no excavation has done in this year. So, total mineable reserve available for mining is $33430 + 8088.6 = 41,518.6$ m³ whereas, approved production capacity for the year is 6670 m³. Reported replenished volume of sand as per the study is 5148 cum. 0.65 m is the reported difference in level of sand during pre and post monsoon periods multiplied by the water free minable area of 7921 m².
14. The volume of sand available in Badaoolma-III sand quarry after post monsoon study is around 12977.94 m³, which can be treated as safe extractable within the framework of the study after arrival of river level. As it is a new mine no excavation has done in this year. So, total mineable reserve available for mining is $16000 + 12977.94 = 28977.94$ m³ whereas, approved production capacity for the year is 3200 m³. Reported replenished volume of sand as per the study is 16057 cum. 0.73 m is the reported difference in level of sand during pre and post monsoon periods multiplied by the water free minable area of 17778 m².
15. **Total production and reserves:** It has been proposed to collect approximately 12040 m³ Year/annum of river bed material annually. Yearly production for Badaoolma Sand Quarry I, Badaoolma Sand Quarry II and Badaoolma Sand Quarry III is 6720 cum/annum (33600 cum for 5 years), 2120cum/annum (10,600cum for 5 years) and 3200cum/annum (16000 cum for 5 years) respectively. As estimated, Geological reserve for Badaoolma Sand Quarry I, Badaoolma Sand Quarry II and Badaoolma Sand Quarry III is 72252cum, 22982cum and 25423 cum respectively. Mineable Reserves for Badaoolma Sand Quarry I, Badaoolma Sand Quarry II and Badaoolma Sand Quarry III is 33602cum, 11200cum and 16000 cum respectively.

S. No.	Year	Badaoolma Sand Quarry I	Badaoolma Sand Quarry II	Badaoolma Sand Quarry III	Total Production in m ³
1	1st	6720	2120	3200	12040
2	2nd	6720	2120	3200	12040
3	3rd	6720	2120	3200	12040
4	4th	6720	2120	3200	12040
5	5th	6720	2120	3200	12040
Total		33600	10600	16000	60200

16. **Mining method:** The sand will be excavated by open cast manual method. Since the depth of sand deposit is 1.0m, excavator, handpicks, spade, hand shovel will be used by laborers for extracting & loading of sand. Keeping in view of the market demand and resource availability in respect of reserves, proposed sand quarry is scheduled to produce @ 12040 cum/year (maximum) for the plan period.
17. **Water requirement:** For the Badaoolma sand cluster 8.0 KLD of water will be required. For drinking & domestic purpose, water requirement will be 0.20 KLD, water requirement for green belt development and dust suppression will be 7.86 KLD as per following heads given in the Table for each quarry.

Activity	Calculation	KLD
Drinking	@ 10 LPCD per labor $10 \times 20 / 1000 = 0.20$ KLD	0.20 KLD
Dust Suppression	Total approach road to be water sprinkled = 960 m $960 \text{ m} \times 6 \text{ m} \times 0.5 \times 2 \text{ times} / 1000 = 5.76$ KLD	5.76 KLD
Plantation	950 plant (during plan period) @ 2 L/per plant = $950 \times 2 \text{ L} = 1900 / 1000 = 1.90$ KLD	1.90 KLD
Total		7.86 KLD

18. **Traffic details:** The V/C ratio for Cluster will change from 0.075 to 0.080 with LOS remain "A" i.e. "Excellent". So the additional load on the carrying capacity will be affected to a minimum level.
19. **Greenbelt:** About 950 number of trees will be planted along approach road & in village during the first year (Approach Road – 580 nos. - along both sides of approach road at spacing of 2 m. Village area - 370 nos. In village area like school premises, Anganwadi, Panchayat Bhawan). Plantation will be done with suitable local species like Teak, Mango, Neem, Jamun, Jhaur etc after consultation with the local authorities. (Badaoolma Sand Quarry – I-400 trees; Badaoolma Sand Quarry – II- 250 trees and Badaoolma Sand Quarry – III- 290 trees).

Year	No. of plants along both side of approach road	No. of plants in Buffer Zone consulting local authorities	Location	Species
1 st	580	370	Approach road – 580 nos – along both sides of approach road at spacing of 2 m. Village area - 370 nos. In village area like school premises, Anganwadi, Panchayat Bhawan	Guava, mango, Jamun, jhaur, neem etc
2 nd	Maintenance	Maintenance		
3 rd				
4 th				
5 th				
Total	580	370		
Total	950			

20. **Manpower requirement:** Due to the proposed sand mining, there will be generation of employment for 20 persons in Badaoolma Sand Cluster. Out of which 10 personnel will be engaged with Badaoolma I; 4 persons will be engaged in Badaoolma II and 6 persons in Badaoolma III sand quarry.
21. **Project cost:** As per EIA submitted - Budget for Corporate Environmental Responsibility (CER) for Badaoolma Sand Quarry I, II & III (For Cluster) is Rs. 1,20,000 (CER Cost for Badaoolma Sand Quarry - I, Badaoolma Sand Quarry – II, Badaoolma Sand Quarry – III is Rs 60,000, Rs 30,000 and Rs 30,000 respectively). Budget for occupational health is Rs.1,30,000. Budget allotted for the Environmental Management Plan of Badaoolma Sand Quarry I, II & III (For Cluster) incurs capital cost of Rs.4,30,000

Minutes of 177th Meeting of SEIAA, Odisha held on 28.10.2024 & 29.10.2024

and recurring cost of Rs 9,60,000. (For Badacolma Sand Quarry I, capital cost is Rs. 1,75,000 and recurring cost is Rs. 3,20,000; Badacolma Sand Quarry – II, capital cost is Rs. 1,02,000 and recurring cost is Rs. 3,20,000 and Racacolma Sand Quarry – III, capital cost is Rs. 1,53,000 and recurring cost is Rs. 3,20,000).

Sl. No.	Measures	Capital Cost (In Rs.)	Recurring Cost (In Rs.)
1.	Pollution Control Dust Suppression /Water Sprinkling	–	3,90,000
2.	Pollution Monitoring i) Air pollution ii) Water pollution iii) Soil Pollution iv) Noise Pollution	–	50,000 40,000 10,000 10,000
3.	Green belt development	1,90,000	1,50,000
4.	Maintenance of haul road	2,40,000	1,80,000
Total		4,30,000	7,40,000

22. Environment Consultant: The Environment consultant M/s P and M Solution, Noida along with the proponent made a presentation on the proposal before the Committee.

1. The SEAC in its meeting dated **12-06-2023** 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)	Total length/Span of the bridge leaving the safety zone area along with layout showing distance from safety zone and mining area.	Total length of the bridge is 80 meter and a map showing the distance from safety zone and mining area is attached as Annexure - I .	-
ii)	Clarification for mismatch of quantity given in Mining Plan and replenishment study.	Due to some clerical error the mismatch of quantity in the proposed production given in mining plan and in replenishment report was occur but the replenishment report is revised and submitted herewith as Annexure - II .	-
iii)	Permission for use of Revenue road from the Concerned Tahasildar.	A copy of NOC from Tahasildar is attached herewith as Annexure - III .	-
iv)	Give justification for extraction of less quantity of sand while sand availability in the proposed lease is much more than the proposed extraction.	Detail Justification is given in Annexure - IV .	-
v)	Revised replenishment study for third quarry after leaving the safety zone.	Revised replenishment study report is attached as Annexure - II .	-
vi)	EMP budget given in EIA for cluster and during presentation has different Recurring cost. Correct EMP budget for cluster to be submitted.	The EMP budget has been corrected and now in both the EIA as well as in the presentation, the Recurring costs are comparable with each other. A copy of EMP budget is attached herewith as Annexure - V .	-
vii)	Revised Mining Plan for Badacolma Sand Quarry – III after leaving non mining safety zone from Bridge, which is at 100meters as per the Sand Mining guidelines of MoEF&CC, 2020.	The revised mining plan is prepared with leaving 250 mtr from upstream and 500 mtr from downstream is proposed as per Sand Mining guidelines of MoEF&CC, 2020.	-

Considering the information / documents furnished by the proponent and presentation made by the consultant M/s P & M Solution, Noida on behalf of the proponent.

2. Whether SEAC recommended the proposal – The proposal was placed in SEAC meeting held on 29.12.2023 and the SEAC approved the EIA/EMP report in cluster approach and recommended the following:

a) The SEIAA, Odisha may consider to grant Environmental Clearance to individual lease for Badacolma Sand Mining Cluster without referring to SEAC with stipulated conditions as per **Annexure - B** after

Minutes of 177th Meeting of SEIAA, Odisha held on 28.10.2024 & 29.10.2024

receipt of individual applications from the lessee in cluster along with following documents.

- i) Filled in form-I of individual lease
- ii) Prefeasibility report of individual lease
- iii) EMP of individual lease.
- iv) Approved Mining Plan of individual lease.
- v) Previous production details of individual lease duly certified by Tahasildar.
- vi) Replenishment Study Report of individual lease.

b) Following specific conditions may be stipulated in individual Environmental Clearance.

- 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 – C**.
- ii) 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.
- iii) Provision of Bio-soiler shall be made at the site.
- iv) 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.
- v) Some patching with plantation in between along the stretch of the bank associated with sand mining and necessary ramp construction shall be made.

3. The proposal was placed in 157th SEIAA meeting held on 22.02.2024 and The Authority observed that the proposal involves a proposed production capacity of 12040 cum/annum for 5 years. Whereas, the EIA study and EMP study report have been prepared in a sketchy manner without addressing the environmental concerns. The PP is required to submit the revised EMP indicating item-wise and year-wise budget for each of the items in EIA report and CER. Accordingly, ADS letter was issue to PP dated 27.02.2024.

4. Now, the PP has submitted the revised EMP through other NABET consultant M/s. Cognizance Research India Pvt. Ltd. with mentioned that the cluster EMP cost is Rs. 8.30 Lakh (capital Cost) and Rs. 6.55 lakh (Recurring Cost).

Decision of Authority: Deferred for ADS

After detailed deliberation, the authority accepted the recommendation of SEAC and approved the cluster EIA & EMP report. The individual EC application in cluster will be considered after submission of documents as recommended by SEAC as detailed below:

1. The individual lease shall apply for EC with the following documents:
 - a. Filled in form-I of individual lease
 - b. Prefeasibility report of individual lease
 - c. EMP of individual lease.
 - d. Approved Mining Plan of individual lease.
 - e. Previous production details of individual lease duly certified by Tahasildar.
 - f. Replenishment Study Report of individual lease.
2. The PP shall deposit of Rs.4,50,000/- by the project proponent with the respective District Environment Society for raising 900 plants (minimum @100 trees per Ha with Rs. 500/- per plant) of native species within 2 years in a suitable location adjoining to quarry and submit the proof of payment.

Signed by



Member Secretary, SEIAA



Member, SEIAA



Chairman, SEIAA

Minutes of 177th Meeting of SEIAA, Odisha held on 28.10.2024 & 29.10.2024

PARIVESH 1.0, AGENDA No.177.09	
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
Whether submitted scrutiny fee (Yes/No)	Not required
Whether submitted payment of receipt towards tree plantation (Yes/No)	To be given

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 minable 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 pos-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 Tahasilcar/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 10292 cum.
13. The SEAC in its meeting held on dated **28th, 29th and 30th 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
 - i) 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.
 - ii) 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.

Minutes of 177th Meeting of SEIAA, Odisha held on 28.10.2024 & 29.10.2024

2. **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 that 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.
3. The proposal was placed in 173rd SEIAA meeting held on 06.08.2024 & 08.08.2024 and the Authority decided seek clarification of the above mentioned SEAC conservation. Accordingly, ADS raised by SEIAA, Odisha to PP dated 27.08.2024.
4. Now, the PP has submitted the clarification on 23.09.2024 with mentioned that the KML file submitted during EC application was wrong one and as per SEAC suggestion the lease area is shifted downward with adequate safety distance from vulnerable constructions and area. As per the SEAC observation, a field visit was conducted by the Mining Officer, Cuttack with in presence of undersigns. It was found that the lease area comes within 500 m of the Biju Setu Bridge (Kuakhai river bridge). Then, the mining officer, Cuttack has issued a letter to lessee for modification of Mining Plan vide letter no. 1952/Mines dated 07.06.2024. Accordingly, the mining plan has been modified based on the sand reserve and suitable location without changing the khata no. and plot number in the same mouza. The revised KML file as per modified mining plan is sent to SEIAA, Odisha email dated 23.09.2024. The PP also mentioned that the source is not operation since obtaining the EC from SEIAA, Odisha. The ADM, Cuttack has already issued a letter vide letter no. 793 dated 26.06.2023 with direction that those minor mineral sources whose co-ordinate points are not matching during joint demarcation of quarry lease area as stated by the Mining Officer, Cuttack in the District Revenue Meeting held on 23.06.2023 is required to prepare the fresh Mining Plan through the concerned RQP and get it approved by Deputy Director of Mines to get accuracy of quarry lease area and take steps for smooth transfer of the same to Steel & Mines Department.

Decision of Authority: Approved subject to submission of information

The Authority observed that the previous location was too close (less than 500 meters) to the bridge. Hence, SEAC recommended the shifting of location. Due to the shifting of the location of the proposed site as recommended by SEAC, the PP shall conduct the ARRS on the revised location. After detailed deliberation, the authority decided to grant conditional EC for 60% of the quantity mentioned in the Mining Plan for extraction of sand i.e. 60% of 16500 cum = 9900 cum for the 1st year and 25% for the mining plan quantity = 4125 cum for the 2nd year subject to conducting the ARRS study on the revised site by 31.12.2025 and submitting the same to the authority. The EC will be issued subject to condition that the PP shall deposit Rs. 3.0 lakh with the respective District Environment Society for raising 600 nos. of native species within 2 years in a suitable location adjoining to the quarry and submit the proof of payment.

Signed by

Member Secretary, SEIAA

Member, SEIAA

Chairman, SEIAA

PARIVESH 1.0, AGENDA No.177.10	
Proposal No.	SIA/OR/MIN/434546/2023
Date of application	25.10.2023
File no.	436668/985-MINB2/11-2023
Project Type	New EC proposal
Category	B1
Project/Activity including Schedule No.	1(a) Mining of Minerals
Name of the Project	Proposal for EC of Tumkela Sand Bed over an area of 16.00 acres or 6.475 hectares in village Tumkela, Tahasil Rourkela, District Sundargarh, State Odisha.
Name of the company/Organization	Smt. Rajashree Behera
Location of Project	village Tumkela, Tahasil Rourkela, District Sundargarh, State Odisha
ToR Date	19.05.2022
Name of the Consultant	M/s. Cognizance Research India Pvt. Ltd. Noida
Whether submitted scrutiny fee (Yes/No)	Yes , Rs. 2000/- vide e Challan Reference Id No. 310A6B8B49 dated 28/06/2021
Whether submitted payment of receipt towards tree plantation (Yes/No)	To be given

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 Project Proponent of the proposed quarry M/s Tumkela Sand Bed Smt. Rajashree Behera was absent during presentation. The SEAC in its meeting held on dated 02-12-2023 decided to defer the proposal and consider the proposal for presentation in presence of Project Proponent or Authorized person on behalf of Project Proponent.
2. The PP gave detailed presentation on dated 18-05-2024.
3. This proposal is for obtaining Environmental Clearance for Proposal of Environmental Clearance for Tumkela Sand Bed over an area of 16.00 acres or 6.475 hectares in village Tumkela, Tahasil Rourkela, District Sundargarh of Smt. Rajashree Behera.
4. **Category:** As per EIA Notification 2006 and subsequent amendments, the proposed project falls under Category B in Schedule item 1(a)-Mining of Minerals.
5. **Category:** This project falls under Category "B" or Schedule 1(a): Mining of Mineral as per EIA Notification dated 14th Sept. 2006 and its amendments.
6. The Mining Lease has been granted vide letter no 3190 dated 27.10.2020.
7. The Mining Plan of Tumkela Sand Bed Mining Project has been approved by Deputy Director of Geology, Office of Joint Director Geology, Zonal Survey, Sambalpur, Odisha vide Vide Memo Number 05 (2) / ZS/01.01.2022.
8. Mining lease is an identified salient source in the DSR Report Page no. 92 Para. No. 04.
9. **ToR details:** The TOR letter was issued by SEIAA, Odisha vide letter No.4571/SEIAA Dated 19.05.2022.
10. **Public hearing details:** Public Hearing was conducted on 14.11.2022 at 11.00 A.M at Sector 16, PH Colony Ground under Rourkela of Sundargarh District, Odisha. Issues raised during public hearing are air pollution, water pollution, noise pollution, land environment and employment.
11. **Location and connectivity** the mine lease area is located in village- Tumkela under Tahsil-Rourkela, District Sundargarh, is on Khata No.2, Plot No. 312/339/P of Kisan 'Nadi' covered in the Survey of India Toposheet No – F45G15. Area bounded by Latitude-22°16'28.20"N to 22°16'33.70"N, Longitude-84°50'35.10"E to 84°50'52.10"E. The Nearest distance of approach road is 0.9 Km. Nearest National

Highway is at NH- 143 at a distance of 6.0KM in SW. Nearest state highway is at SH-65 at a distance of 8.70 KM in SW. The Nearest Airport is Birsa Munda Airport Ranchi 125 Km in N. Nearest river is, Sankha River at a distance of 6.4 KM in SW. Nearest reserve forest is at Mudra Reserve Forest at a distance of 3.0 Km in NW. Nearest river embankment is near Rourkela – Gumma- Ranchi RD Road Bridge, Sankha River at a distance of 6.4 KM in SW. The Nearest Rail Bridge is Pradhanpalli Bridge at a distance of 4.2 Km in SW. The Nearest River Embankment is near Rourkela – Gumma- Ranchi RD Road Bridge, Sankha River at a distance of 6.4 KM in SW. The Nearest Electric Transmission Line has crossed across the river with pole inside sand bed is near about 0.25km.

12. Total reserves: The total Mineable Reserves is 34283.7 cum and the Proposed Production for the Proposed Project is 8142cum/year.

13. Replenishment study details: The replenishment study was carried out in month of June, 2022 & October, 2022 for pre & post monsoon respectively by Field survey method. The quantity of sand replenishment within the source during the year 2022-23 as per surface area method is **10800 cum**.

14. Mining Method: The proposed method of mining is manual. The Proposed depth of mining is 0.5 Meters as per approved mining plan. The sand will be excavated by open cast manual method of mining spread over the river course devoid of water. Transportation would be undertaken through deployment of Dumper & Tractor. Since the depth of sand deposit is 0.5m, excavator, handpicks, spade, hand shovel will be used by labourers for extracting & loading of sand.

Table: Production details

Year	Year Vol. of sand (in m ³)
1 st	8142
2 nd	8142
3 rd	8142
4 th	8142
5 th	8142
Total	40710

15. Baseline study conducted: Baseline Study conducted during March 2022 to May 2022

16. Water requirement: Total quantity of water requirement for the project is 3.0 KLD.

17. Greenbelt Development: A total of 100 plants are proposed to be planted for the Proposed Site.

18. Total Employment: Total employment proposed is 9 nos of manpower for the project.

19. Project Cost: The estimated cost is ₹1.6 Crore and Proposed EMP cost is 5.635 lakhs (Capital) and 3.705 lakhs(recurring).

Table: Proposed CER budget

Sl. No.	Activity	Capital Cost (in Rs.) /Annum
1.	Distribution of PPE Such as hand sanitizer, hand gloves and nose mask and training to villagers for precautions needed in pandemic <i>@ Rs. 200/kit (200 kits)</i>	40,000
2	Distribution of educational kits, books & sports kits to the students of village Tumkela	80,000
3	Contribution to the Village development in Tumkela Village	2,00,000
TOTAL		3,20,000

Table: Proposed EMP budget

Sr. No	Particulars	Amount per Annum (Lakh)	
		Capital	Recurring

Minutes of 177th Meeting of SEIAA, Odisha held on 28.10.2024 & 29.10.2024

1	Dust suppression	1.5	0.5
2	Plantation and its protection (@ Rs. 400/sapling- including fencing)	1.0	1.27 (for Maintenance @ Rs 350/- per dayX350 Days)
3	Personal Protective Equipment (9 Nos) (@ Rs. 1500/PPE kit)	0.135	0.135
4	Environmental Monitoring (Air, water, soil, noise)	2.0	1.2 (0.5 lakh, 0.4 lakh, 0.20 lakh, 0.10 lakh)
5	Haul road construction/ maintenance	2.0 (@ Rs 2.0 Lakh/km)	0.6 (@ Rs. 250*240 days* 1 labour)
6	Tarpaulin sheet	0.2	
	Total	6.635	3.705

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

21. The SEAC in its meeting held on dated **18-05-2024** decided to take decision on the proposal after receipt of the following from the proponent. The proponent has furnished the compliance and the SEAC verified the same as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of SEAC
1.	Clarification of the specific ToR whether there was a violation by previous lessee in the Mining lease area. Submit the details.	Tahasildar letter attached as Annexure – I .	Annexure – I is attached and the letter from the concerned Tahasildar intimated that there was no violation by previous lessee.
2.	Copy of Environmental Clearance which has been obtained earlier.	The earlier EC & compliance is attached herewith as Annexure – II .	Annexure – II (earlier EC & compliance) is attached and complied.
3.	The PP shall provide safety working zone as the nearest habitation is 30 metres away from the mining lease.	Tahasildar letter attached as Annexure – I and the safety measures proposed as Annexure V , also, an undertaking to this respect is attached as Annexure – IV .	Annexure-I (Copy attached) intimates that nearest habitation structures are temporary cattle shed and used for rest of people curing cattle grazing. Annexure –IV (Copy attached) is attached and it is undertaking by the PP that mining plan will be modified and semi mechanized method of mining shall be adopted before starting mining operation.

Minutes of 177th Meeting of SEIAA, Odisha held on 28.10.2024 & 29.10.2024

			Further the PP has intimated that mining will not be undertaken within the safety zone and blasting won't be carried out. Annexure-V is a note on operational safety measures.
4.	Revised calculation of the Replenishment study report along with the benchmark details. Geo coordinates of the sections to be provided.	The Benchmark details and the geo coordinates of the sections is attached as Annexure – III .	Annexure – III is attached and complied.
5.	Clarify if the mining will be carried out manually/excavators.	The Mining will be carried out in a semi-mechanized way where loading will be done by excavators and mining will be done manually. The mining plan will be modified for semi-mechanized method of mining after getting the EC & before execution of the lease based on the resolution made by Government of Odisha Steel & Mines Department on Guidelines for regulating the sand quarrying in the state vide letter no. 12793/S & M, Bhubaneswar, dated 21.2.2023. Also, and undertaking by the lessee is attached as Annexure – IV .	Annexure – IV (Copy attached) is attached and it is undertaking by the PP that mining plan will be modified for semi mechanized method of mining and shall be adopted before starting mining operation. Further, the PP has intimated that mining will not be undertaken within the safety zone and blasting won't be carried out.

1. Any deficiencies/omission have been noticed in the above documents- Nil
2. **Whether SEAC recommended the proposal** –Yes, the proposal was placed in the SEAC meeting held on 20.09.2024 and the 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 for grant of Environmental Clearance** for the proposal valid upto lease period with stipulated conditions as per **Annexure – F** in addition to the 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 – G**.
 - ii) The mine shall carryout manual method of mining at present and on modification of Mining plan for **Semi mechanized mining**, the case can be reconsidered for semi mechanized mining, if applied for.

Minutes of 177th Meeting of SEIAA, Odisha held on 28.10.2024 & 29.10.2024

- iii) 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.
- iv) Provision of Bio-toilet shall be made at the site.
- v) 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.
- vi) Stone pitching with plantation in between along the stretch of the bank associated with sand mining and necessary ramp construction shall be made.

Decision of Authority: Approved subject to submission of information

After detailed deliberations, the Authority approved the **grant of Environmental Clearance** with usual stipulated conditions as applicable for sand quarry along with the following additional conditions: -

- Maximum quantity of extraction shall be limited to **10800 cum/annum** valid upto the lease period subject to the quantity prescribed in the revised DSR or modified Mining Plan (approved by the competent authority) whichever is less.
- The PP shall carryout the ARRS study in subsequent year through a NABET or ORSAC empanelled agency and submit to SEIAA, Odisha by 31st December, 2025.
- The Project Proponent (PP) is required to submit receipt of payment of Rs.3,25,000/- deposited with concerned District Environmental Society for raising 650 plants (minimum @100 trees per Ha) near to the quarry area or any suitable location.
- The PP will implement the EMP with a budgetary allocation of Rs.6.635 Lakh (Capital cost) & Rs. 3.705 Lakhs / annum as recurring cost and CER cost of Rs. 3.2 Lakhs.

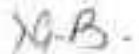
Signed by



Member Secretary, SEIAA



Member, SEIAA



Chairman, SEIAA

PARIVESH 1.0, AGENDA No. 177.11	
Proposal No.	SIA/OR/MIN/446608/2023
Date of application	02.10.2023
File No.	423514/908-MINB2/03-2023
Project Type	Proposal for EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for grant of EC for Mundabani-VI Stone Quarry Over an area of 5.00 Acres or 2.023 hectares in village Mundabani under Bangiriposi Tahasil of Mayurbhanj District of Odisha.
Name of the company/Organization	BMT Profile
Location of Project	village Mundabani under Bangiriposi Tahasil of Mayurbhanj District of Odisha
ToR Date	N/A
Name of the Consultant	N/A
Whether submitted scrutiny fee (Yes/No)	Yes, of Rs. 1000/- vide e-Challan Ref. No. 35BD0C3D0E dated 04.08.2023
Whether submitted payment of receipt towards tree plantation (Yes/No)	To be given

1. Proposal in brief:

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

- (i) This is a proposal for mining of Stone from Mundabani-VI Stone Quarry Over an area of 5.00 Acres or 2.023 hectares in village Mundabani under Bangiriposi Tahasil of Mayurbhanj District of Odisha.
- (ii) The mining area is a part of Survey of India Toposheet No. 73-J/12, bounded by Latitude: 22°06'46.67" N to 22°06'55.20" N and Longitude: 86°39'39.25" E to 86°39'47.21" E bearing Khata no.74, Plot no. 4067, Kissam-Patharbani
- (iii) The mining lease is an identified sairat source in the DSR. The Mundabani-VI Stone Quarry sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Bangiriposi to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- (iv) Documents submitted: -Form-1, PFR, DLC, EMP, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, Bangiriposi, topo map etc.
- (v) Distance from nearest sanctuary/ESZ- Similipal WLS- 12.2km
- (vi) Whether the lease area coming in DLC report-No as submitted certificate by Tahasildar, Bangiriposi vide letter no. Nil dated 09.06.2023.
- (vii) Whether submitted scrutiny-Yes, of Rs. 1000/- vide e-Challan Ref. No. 35BD0C3D0E dated 04.08.2023
- (viii) Whether submitted KML file-Yes
- (ix) Whether the lease area reflecting in DSR-Yes

- (x) Method of mining-Semi-mechanized both drill and blasting will be occurred.
- (xi) Distance from nearest road bridge-4.0 km, village -0.6 km.
- (xii) Whether it is part of cluster – Yes, the proposed quarry is coming under two quarries Mundabani-VI Stone Quarry & Mundabani-I Stone Quarry with total cluster area 4856 Ha are coming in a single cluster and cluster EMP submitted.
- (xiii) Whether EC obtained earlier-Yes, from DEIAA, Mayurbhanj vide letter no.62 dated 27.05.2016
- (xiv) Date of approval of Modified mining plan- Mining Officer, Baripada vide letter no. 624 dt. 08.03.2022.
- (xv) Production capacity per annum-33955 cum/annum (max.), total production in 5 years period-168775 cum, Geological reserve-310451 cum and Mineable reserve-212633 cum.
- (xvi) Budget provision for EMP- Rs. 0.50 Lakh/annum (Recurring Cost) for each quarry.
- (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 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)- No
- (xviii) Any deficiencies/omission have been noticed in the above documents- **Presently, The DSR of Mayurbhanj District is not approved by SEIAA/SEAC as per NGT order.**

Whether SEAC recommended the proposal – Yes, the proposal was placed in SEAC meeting held on 23rd, 24th & 25th JULY 2024 and the SEAC recommended to grant EC valid from the date of EC accorded up to the lease period with following additional conditions.

- i) 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.
- ii) In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured
- iii) Plantation programme to be completed within first two years and to be maintained in remaining years.
- iv) Depth of Mining as proposed should not be beyond 6m from the ground level.
- v) Mitigation measures for flying Rock for safety be put in place.
- vi) 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.
- vii) 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.
- viii) 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.
- ix) All the dumps shall be covered by retaining wall, garland drains and settling ponds.
- x) Maximum depth of quarry shall not exceed 6 meters from ground level as per guidelines.
- xi) No explosives shall be stored without approval of competent authority and all the precautions for blasting shall be put in place.
- xii) Worked out pit shall be fenced.
- xiii) No tree growth in the lease area if present shall be damaged.

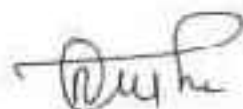
Minutes of 177th Meeting of SEIAA, Odisha held on 28.10.2024 & 29.10.2024

Decision of Authority: Approved subject to submission of information

After detailed deliberations, the Authority approved for EC as recommended by SEAC with the additional conditions:

- Maximum depth of mining shall be upto 6 meter from the surface and maximum quantity of production shall be limited to **33955 cum/annum** valid upto the lease period subject to the quantity prescribed in the revised DSR or modified Mining Plan (approved by the competent authority) whichever is less.
- The Project Proponent (PP) is required to submit receipt of payment of Rs.1,00,000/- deposited with concerned District Environmental Society for raising 200 plants (minimum @100 trees per Ha) near to the quarry area or any suitable location.
- The PP will implement the EMP with a budgetary allocation of Rs. 0.5 Lakhs / annum as recurring cost.

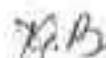
Signed by



Member Secretary, SEIAA



Member, SEIAA



Chairman, SEIAA

PARIVESH 1.0, AGENDA No.177.12	
Proposal No.	SIA/OR/MIN/446028/2023
Date of application	27.09.2023
File No.	446028/971-MINB2/09-2023
Project Type	Proposal for EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for grant of EC for Mundabani-I Stone Quarry over an area of 7.00 acres or 2.833 hectares in village Mundabani under Bangiriposi Tahasil in Mayurbhanj District, Odisha.
Name of the company/Organization	THE AGGREGATES
Location of Project	village Mundabani under Bangiriposi Tahasil of Mayurbhanj District of Odisha
ToR Date	N/A
Name of the Consultant	N/A
Whether submitted scrutiny fee (Yes/No)	Yes , of Rs. 1000/- vide e-Challan Ref. No. 35BD0C4760 dated 04.08.2023
Whether submitted payment of receipt towards tree plantation (Yes/No)	To be given

1. Proposal in brief:

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

- (i) This is a proposal for mining of Stone from Mundabani-I Stone Quarry over an area of 7.00 acres or 2.833 hectares in village Mundabani under Bangiriposi Tahasil in Mayurbhanj District, Odisha.
- (ii) The mining area is a part of Survey of India Toposheet No. 75-J/12, bounded by Latitude: 22°06'59.00" N to 22°07'08.40" N and Longitude: 86°39'39.00" E to 86°39'46.90" E bearing Khata no.74, Plot no. 406/1, Kissam-Patharbani.
- (iii) The mining lease is an identified sairat source in the DSR. The Mundabani-I Stone Quarry sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Bangiriposi to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- (iv) Documents submitted: -Form-I, PFR, DLC, EMP, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, Bangiriposi, topo map etc.
- (v) Distance from nearest sanctuary/ESZ- Similipal WLS-12.2km
- (vi) Whether the lease area coming in DLC report-No as submitted certificate by Tahasildar, Bangiriposi vide letter no. Nil dated 09.06.2023.
- (vii) Whether submitted scrutiny-Yes, of Rs. 1000/- vide e-Challan Ref. No. 35BD0C4760 dated 04.08.2023
- (viii) Whether submitted KML file-Yes
- (ix) Whether the lease area reflecting in DSR-Yes
- (x) Method of mining-Semi-mechanized both drill and blasting will be occurred.
- (xi) Distance from nearest road bridge-4.0 km, village -0.6 km.

- (xii) Whether it is part of cluster – Yes, the proposed quarry is coming under two quarries Mundabani-VI Stone Quarry & Mundabani-I Stone Quarry with total cluster area 4.856 Ha are coming in a single cluster and cluster EMP submitted.
- (xiii) Whether EC obtained earlier-Yes, from DEIAA, Mayurbhanj vide letter no.89 dated 12.06.2017
- (xiv) Date of approval of Modified mining plan- Mining Officer, Banipada vide letter no. 620 dt. 08.03.2022.
- (xv) Production capacity per annum-53024 cum/annum (max.), total production in 5 years period-1,65,120 cum, Geological reserve-535272 cum and Mineable reserve-294014 cum.
- (xvi) Budget provision for EMP- Rs. 0.50 Lakh/annum (Recurring Cost) for each quarry.
- (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 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)- No
- (xviii) Any deficiencies/omission have been noticed in the above documents- **Presently, The DSR of Mayurbhanj District is not approved by SEIAA/SEAC as per NGT order.**

2. Whether SEAC recommended the proposal – Yes, the proposal was placed in SEAC meeting held on 23RD, 24TH & 25TH JULY 2024 and the SEAC recommended to grant EC valid from the date of EC accorded up to the lease period with following additional conditions.

- i) 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.
- ii) In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured
- iii) Plantation programme to be completed within first two years and to be maintained in remaining years.
- iv) Depth of Mining as proposed should not be beyond 6m from the ground level.
- v) Mitigation measures for flying Rock for safety be put in place.
- vi) 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.
- vii) 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.
- viii) 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.
- ix) All the dumps shall be covered by retaining wall, gar and drains and settling ponds.
- x) Maximum depth of quarry shall not exceed 6 meters from ground level as per guidelines.
- xi) No explosives shall be stored without approval of competent authority and all the precautions for blasting shall be put in place.
- xii) Worked out pit shall be fenced.
- xiii) No tree growth in the lease area if present shall be damaged.

Decision of Authority: Approved subject to submission of information

After detailed deliberations, the Authority approved for EC as recommended by SEAC with the additional conditions: -

- Maximum depth of mining shall be upto 6 meter from the surface and maximum quantity of production shall be limited to **33024 cum/annum** valid upto the lease period subject to the quantity prescribed in the revised DSR or modified Mining Plan (approved by the competent authority) whichever is less.
- The Project Proponent (PP) is required to submit receipt of payment of Rs.1,50,000/- deposited with concerned District Environmental Society for raising 300 plants (minimum @100 trees per Ha) near to the quarry area or any suitable location.
- The PP will implement the EMP with a budgetary allocation of Rs. 0.5 Lakhs / annum as recurring cost.

Signed by



Member Secretary, SEIAA



Member, SEIAA



Chairman, SEIAA

PARIVESH 1.0, AGENDA No. 177.13	
Proposal No.	SIA/OR/MIN/440696/2023
Date of application	17.08.2023
File No.	440696/9/4-MINB2/10-2023
Project Type	Proposal for EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for grant of EC for Sapsil Stone Quarry over an area of 4.00 acres or 1.619 hectares bearing Khata no. 76, Plot no. 304 in Sapsil village under Koraput Tahasil, District: Koraput, State Odisha.
Name of the company/Organization	Sri Prodyut Ranjan Das
Location of Project	Sapsil village under Koraput Tahasil, District: Koraput, State Odisha
ToR Date	N/A
Name of the Consultant	N/A
Whether submitted scrutiny fee (Yes/No)	Yes, of Rs. 1000/- vide e-Challan Ref. No. 35BDCD5D34 dated 17.08.2023
Whether submitted payment of receipt towards tree plantation (Yes/No)	To be given

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.

- This is a proposal for mining of Stone from Sapsil Stone Quarry over an area of 4.00 acres or 1.619 hectares bearing Khata no. 76, Plot no. 304 in Sapsil village under Koraput Tahasil, District Koraput, State Odisha.
- The mining area is a part of Survey of India Toposheet No. 65/13 (E44K13), bounded by Latitude: 18°48'14.16" N to 18°48'19.46" N and Longitude: 82°48'29.86" E to 82°47'15.38" E bearing Khata no.76, Plot no. 304, Kissam-Pahada
- The mining lease is an identified sapat source in the DSR. The Sapsil Stone Quarry sapat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Koraput to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- Documents submitted: -Form-1, PFR, DLC, EMP, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, Koraput, topo map etc.
- Distance from nearest sanctuary/ESZ- Ambapani WLS-96.0km
- Whether the lease area coming in DLC report-No as submitted certificate by Tahasildar, Koraput vide letter no. Nil dated Nil.
- Whether submitted scrutiny-Yes, of Rs. 1000/- vide e-Challan Ref. No. 35BDCD5D34 dated 17.08.2023
- Whether submitted KML file-Yes
- Whether the lease area reflecting in DSR-Yes
- Method of mining-Semi-mechanized both drill and blasting will be occurred.
- Distance from nearest road bridge-3.70 km, **village -0.09km**
- Whether it is part of cluster – No.

<p>(xiii) Whether EC obtained earlier-No, but in the KMI file it appears that quarry operated earlier.</p> <p>(xiv) Date of approval of mining plan- Joint Director Geology, Koraput vide letter no. 2309 dt. 27.08.2020.</p> <p>(xv) Production capacity per annum-10125 cum/annum (max.), total production in 5 years period-50625 cum, Geological reserve-282996 cum and Mineable reserve-168572 cum.</p> <p>(xvi) Budget provision for EMP- Rs. 1.30 Lakh/annum</p> <p>(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 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)- No</p> <p>(xviii) Any deficiencies/omission have been noticed in the above documents- Village Road is located 90 meter from the proposed quarry and blasting will be occur in this case.</p>	<p>2. Whether SEAC recommended the proposal – Yes, the proposal was placed in SEAC meeting held on 23RD, 24TH & 25TH JULY 2024 and the SEAC recommended to grant EC valid from the date of EC accorded up to the lease period with following additional conditions.</p> <p>i) 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.</p> <p>ii) In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured</p> <p>iii) Plantation programme to be completed within first two years and to be maintained in remaining years.</p> <p>iv) Depth of Mining as proposed should not be beyond 6m from the ground level.</p> <p>v) Mitigation measures for flying Rock for safety be put in place.</p> <p>vi) 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.</p> <p>vii) 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.</p> <p>viii) Construction of garland drains retaining wall and settling tank should be ensured to prevent erosion during rainfall and to collect silt v) Mitigation measures for flying Rock for safety be put in place.</p> <p>ix) 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.</p> <p>x) 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.</p> <p>xi) 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.</p> <p>xii) All the dumps shall be covered by retaining wall, garland drains and settling ponds.</p> <p>xiii) Maximum depth of quarry shall not exceed 6 meters from ground level as per guidelines.</p> <p>xiv) No explosives shall be stored without approval of competent authority and all the precautions for blasting shall be put in place.</p> <p>xv) Worked out pit shall be fenced.</p> <p>xvi) No tree growth in the lease area if present shall be damaged.</p>
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Minutes of 177th Meeting of SEIAA, Odisha held on 28.10.2024 & 29.10.2024

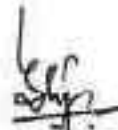
Decision of Authority: Referred back to SEAC

After detailed deliberation, the authority decided to refer back the proposal to SEAC for re-examination of the case in view of the distance criteria for permitting stone quarry issued by CPCB with blasting. the prescribed minimum distance shall be 200 meters from the public road. In the instant case the said distance is less than the prescribed limit.

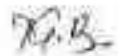
Signed by



Member Secretary, SEIAA



Member, SEIAA



Chairman, SEIAA

PARIVESH 1.0, AGENDA No. 177.20	
Proposal No.	SIA/OR/MIN/424762/2023
Date of application	21.07.2023
File No.	424776/828-MINB1/C8-2023
Project Type	Proposal for EC
Category	B1
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for grant of EC for Tainsar Sand Quarry over an area of 48.42 acres or 19.595 Ha bearing Khata No. 72, Plot No. 741 & 747(P) in village Tainsar, Tahasil Athmallik, District Angul, State Odisha.
Name of the company/Organization	Sri Apollo Kumar Garnayak
Location of Project	village Tainsar, Tahasil Athmallik, District Angul, State Odisha.
ToR Date	27.12.2021
Name of the Consultant	M/s. P and M Solution, Noida
Whether submitted scrutiny fee (Yes/No)	Yes, Rs. 2000/- vide e Challan Reference Id. No. 35A4FD4A19 dated 01.04.2023
Whether submitted payment of receipt towards tree plantation (Yes/No)	To be given

Proposal in brief:

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

1. This proposal is for Environmental Clearance for Tainsar Sand Quarry over an area of 48.42 acres or 19.595 Ha. bearing khata No. 72, Plot No. 741 & 747(P) in village Tainsar, Tahasil Athmallik, District Angul of Sri Apollo Kumar Garnayak.
2. **Category:** As Per EIA Notification, 2006 and subsequent amendments the project falls under Category B1 under Schedule of item of 1(a) - Mining of Minerals.
3. The Mining Lease has been granted vide letter no 764 dated 01.03.2021. The Successful Bidder is Sri Apollo Kumar Garnayak, At - Arakhakud, Thakurgarh, PS - Thakurgarh, District - Angul, Odisha.
4. The Mining Plan of Tainsar Sand Quarry has been approved by Deputy Director of Geology, O/o The Joint Director of Geology, Zonal Survey, Dhenkanal, Odisha vide letter no 1251 dated 20.11.2020.
5. This is a new mine and mining lease is an identified sarnat source in the DSR Report Page no. 22 SL No. 40.
6. The Terms of Reference (TOR) letter was issued by SEIAA, Odisha vide letter No. 3667/SEIAA Dated 27.12.2021.
7. **Location and connectivity:** The mine lease area is located in Village – Tainsar, Tahasil – Athmallik, District – Angul, and is on Khata No. 72, Plot No. 741 & 747 of Maharadi River. The project covered in the Survey of India Topo Sheet No – F45S/5 & F45S/6 and the geo coordinates are : Latitudes - 20°44'45.0" N to 20°45'03.5" N and Longitudes – 84°24'40.5" E to 84°25'01.2" E. The Kism of land is Nadi. The Nearest National Highway is NH-57 which is at a distance of approx. 6.00 km in SW direction. The Nearest State Highway is SH-62 which is at a distance of approx. 4.20 km in NE direction. The Nearest distance of approach road is 1.5 Km. The Nearest Airport is Biju Patnaik International Airport which is at a distance of approx. 156.00 km towards East direction. The Nearest Reserve Forest is Nuagan RF which is at a distance of 8.5 Km in NNE direction. The Nearest Road Bridge is near Singarimunda Road Bridge over Manjore River at a distance of 7.80 KM in NW. The

Nearest Electric Transmission Line Pole is at a distance of 1.50 Km in NE direction from the Lease Area.

8. **Public Hearing** was conducted on 20.09.2022 at Tainsar village, under Athamallik Tahasil of Angul District, Odisha. Issues raised during public hearing are dust suppression and water pollution control provision for maintenance and repair of village roads and speed restriction during school timing and strict adherence of sand mining guideline. Budget allocated for Corporate Environmental Responsibility (CER) of Proposed Tainsar Sand Quarry is Rs.4,00,000 and Budget for Environmental Protection is Rs.767000 as capital cost and Rs. 333000 as recurring cost.
9. **Total Reserves and Proposed Production:** The total geological reserves is 195950cum and Mineable Reserves is 182066 cum and the Proposed Production for the Project is 15,000 cum/year.

Year	Vol. of Sand in (m ³)
1 st	15,000
2 nd	15,000
3 rd	15,000
4 th	15,000
5 th	15,000
TOTAL	75,000

10. **Method of mining:** The Method of Mining will be opencast Manual Method. Extraction and loading into truck & Tractor will be done by manual means. The transportation from Sand Quarry site to destination shall be achieved by dumper/tractor. The Proposed depth of mining is 0.50 Meters as per approved mining plan.
11. **Replenishment study details:** The Replenishment study was done during Pre- and Post-Monsoon Period (June 2022 & January 2023) by Physical Method Survey which was conducted with the help of Total Station Survey Instrument and two numbers of GPS (GARMIN eTrex 10) handheld GPS. After the Replenishment study it was found that **15,255 cum** of sand have been proposed to be replenished annually.
12. **Water requirement:** Total Water Requirement is 13.00 KLD for proposed project.

Activity	Calculation	Round off Figure in KLD
Drinking	@ 10 lpcd per labor $10 \times 16 / 1000 = 0.16$ KLD	0.16
Dust Suppression	Total approach road to be water sprinkled = 1500 m $1500 \text{ m} \times 6 \text{ m} \times 0.5 \times 2 \text{ times} / 1000 = 9.0$ KLD	9.0
Plantation	1960 plant (during plan period) @ 2 L/per plant= $1960 \times 2 \text{ lts} = 3920 / 1000 = 3.92$ KLD	3.92
Total		13.08

13. **Baseline Study** conducted during March, 2022 to May, 2022.

a) AIR ENVIRONMENT

Ambient Air Quality Monitoring reveals that the minimum & maximum concentrations of PM₁₀ for all the 7AQ monitoring stations were found to be 48.96 µg/m³ at AQ₇ and 78.98 µg/m³ at AQ₃, respectively. The minimum & maximum concentrations of PM_{2.5} were found to be 25.91 µg/m³ at AQ₇ and 46.78 µg/m³ at AQ₃, respectively.

As far as the gaseous pollutants SO₂ and NO_x are concerned, the prescribed CPCB limit of 80 µg/m³ for residential and rural areas has never surpassed at any station. The minimum & maximum concentrations of SO₂ were found to be 6.39 µg/m³ at AQ₇ & 11.21 µg/m³ at AQ₃, respectively. The minimum & maximum concentrations of NO_x were found to be 10.17 µg/m³ at AQ₇ & 16.98 µg/m³ at AQ₃, respectively.

b) WATER ENVIRONMENT

Ground water: Analysis results of ground water reveal the following: -

- pH varies from 7.29 at GW3 to 7.56 at GW5 during study period.
- Total hardness varies from 276 mg/l at GW1 to 324 mg/l at GW2 during study period.
- Total dissolved solids vary from 293 mg/l at GW3 to 378 mg/l at GW1 during study period.

Surface water

- The analysis results indicate that the pH ranges between 7.42 and 7.86.
- Dissolved Oxygen (DO) was observed in the range of 5.7 to 5.9 mg/l against the minimum requirement of 4 mg/l.
- BOD values were observed to be in the range of 3.6 – 3.9 mg/l.
- The chlorides and Sulphates were found to be in the range.
- Based on the results it is evident that most of the parameters of the samples comply with 'Category 'B' standards of CPCB indicating their suitability for Drinking water source after conventional treatment and disinfection.

c) NOISE ENVIRONMENT

Noise monitoring reveals that the maximum & minimum noise levels at day time were recorded as 58.6 Leq. dB (A) at NQ1 & 48.1 dB (A) at NQ2, respectively. The maximum & minimum noise levels at night time were found to be 42.4 dB (A) at NQ6 & 35.2 dB (A) at NQ2. There are several other sources in the 10 km radius of study area, which contributes to the local noise level of the area. Traffic activities as well as activities in nearby villages and agricultural fields add to the ambient noise level of the area.

d) SOIL ENVIRONMENT

Samples collected from identified locations indicate the soil is sandy type and the pH value ranging from 6.89 to 7.57, which shows that the soil is alkaline in nature. Potassium is found to be from 72.36 mg/kg to 84.69 mg/kg. The water holding capacity is found in between 28.72 % to 36.23 %.

14. Greenbelt development: Total 1960 plants has been proposed for the Proposed Project.

Year	No of plants along both side of approach road	No. of plants in buffer zone consulting local authorities	Location	Species
1 st	1500	460	Approach road – 1500 nos – along both sides 1.5 km of approach road at spacing of 2 m. Village area – 460 nos. In village area like school premises, Aangawadi, Panchayat bhavan	Guava, mango, Jamun, jhaun, neem etc.
2 nd	Maintenance	Maintenance		
3 rd				
4 th				
5 th				
Total	1500	460		
Total	1960			

15. Manpower: 16 nos. of persons will be required as manpower for the proposed project.

16. Project cost: Estimated cost of the proposed Project is 2.0 Crores. EMP Cost includes a Capital cost of Rs. 7.67 Lakhs and Recurring cost of Rs.3.33 Lakhs.

Sl. No.	Measures	Capital Cost (In Rs.)	Recurring Cost (In Rs.)
i)	Pollution Control Dust Suppression /Water Sprinkling	--	50,000

ii)	Pollution Monitoring		
	i) Air pollution		50,000
	ii) Water pollution		40,000
	iii) Soil Pollution		20,000
	iv) Noise Pollution		10,000
iii)	Green belt development	3,92,000	1,00,000
iv)	Maintenance of haul road	3,75,000	53,000
Total		7,67,000	3,33,000

17. Environment Consultant: The Environment consultant M/s. P and M Solution, Noida along with the proponent made a presentation on the proposal before the Committee.

18. Any deficiencies / omission has been noticed in the above documents- Nil


2. **Whether SEAC recommended the proposal** – Yes, the proposal was placed in SEAC meeting held on 03.07.2024 and the SEAC recommended for grant of EC for the proposal valid upto lease period with stipulated conditions.

i) Sand extraction shall be limited 15225 cum as per replenished volume and 0.45m depth only for 1st year of mining.

Decision of Authority: Approved subject to submission of information

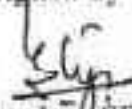
After detailed deliberation in the matter, the authority accepted the recommendation of SEAC and approved for issue of EC with the extraction of sand limited to 15225 cum upto a depth of 0.45 meter as per the ARRS report subject to the quantity prescribed in the revised DSR or modified Mining Plan (approved by the competent authority) whichever is less. Further, the authority approved the EC for 15225 cum / annum with specific and standard conditions as applicable for sand quarry along with the additional condition as follows:-

➤ The Project Proponent (PP) is required to submit receipt of payment of Rs. 10,00,000/- deposited with concerned District Environmental Society for raising 2,000 plants (minimum @100 trees per Ha with Rs. 500/- per plant)) near to the quarry area or any suitable location.



Member Secretary, SEIAA

Signed by



Member, SEIAA



Chairman, SEIAA

PARIVESH 1.0, AGENDA No. 177.22	
Proposal No.	SIA/OR/INFRA2/439555/2023
Date of application	09.08.2023
File No.	439555/513-INFRA2/08-2023
Project Type	Proposal for EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for grant of EC of M/s. Bivab Developers Private Limited for construction of B1+B2+G+11 storied residential and B1+B2+G+8 storied commercial building over a built-up area 66662.8 sq.mt. located at: Sipasurubili, Dist - Puri of Sri Binay Krishna Das.
Name of the company/Organization	M/s. Bivab Developers Private Limited Sri Binay Krishna Das.
Location of Project	Sapsil village under Koraput Tahasil, District Koraput, State Odisha
ToR Date	N/A
Name of the Consultant	N/A
Whether submitted scrutiny fee (Yes/No)	Yes, of Rs. 5.0 Lakh vide e-Challan Ref. No. 35B8CB793B dated 21/07/2023
Whether submitted payment of receipt towards tree plantation (Yes/No)	Not required

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.

1. This proposal is for Environmental Clearance of M/s. Bivab Developers Private Limited for construction of B1+B2+G+11 storied residential and B1+B2+G+8 storied commercial building over a built-up area 66662.8 sq.mt. located at: Sipasurubili, Dist - Puri of Sri Binay Krishna Das.
2. **Category:** This project falls under Category "B", Project or Activity 8(a) - Building and Construction projects as per EIA Notification dated 14th Sept, 2006 as its amendments.
3. **Location and connectivity:** The project site is located at Plot no. 605, 606, 607, 608 & 609, Mouza- Sipasurubili, Dist- Puri, Odisha. The geo coordinates of the project are: Latitude and Longitude of 4 corners of the site (19° 47' 28.1" N, 85° 46' 57.7" E), (19° 47' 26.7" N, 85° 46' 53.9" E), (19° 47' 31.5" N, 85° 46' 52.4" E) and (19° 47' 32.4" N, 85° 46' 55.3" E) at four corners respectively. The project site lies adjacent to NH-316, 6 km from Sri Jagannath Temple of Puri, 1km from Sea Beach of Puri, 177m from Dhaudia River (NuaNai), 1.18 km from Dhaudia River Confluence with Sea and 1.07 km from Bay of Bengal. The site is well connected with Bus Stand of Puri at 8.3 km, 7.3 km from Railway Station of Puri, 34.5 km from Sun Temple of Konark and 63 km from Biju Patnaik International Airport of Bhubaneswar. The project site is covered under Survey of India Toposheet no. 74E/13 and Kism of the land is designated as Gharbari.
4. The project site is not located within the Eco-Sensitive Zone (ESZ) or Eco-Sensitive Area (ESA) notified by the MoEF&CC and CRZ area.
5. Total Plot area measures 15909.93m² (3.93 acre) and the proposed built-up area is 66662.28 m². The project comprises of: Residential Area and Commercial Block.
6. **Composition of Composition of Residential Area**
 - 3 Blocks : with 12 Floors (G+11).

- 1 Block: with 11 Floors (G+10).
- Total no. of Dwelling Units: 332
- Studio Apartment: 44 nos.
- 1 BHK: 180 nos.
- 2 BHK: 108 nos.

7. Broad Facilities for Commercial Block

- 1 Block with 9 floors (G+8).
- 44 Shops
- 3 Banquet Halls
- Hotel with 68 Guest Rooms
- Restaurant and Food Court
- Spa and Gym

8. Area Statement:

S. No.	PARTICULARS	AREA (sq.m.)
i)	Ground Coverage	4702.88
ii)	Open Parking	291.37
iii)	Green Belt	3200
iv)	Set Back	1307.29
v)	Road & Misc.	6208.39
	Total plot Area	15909.93

9. Water requirement: The total water requirement during construction phase is 48 KLD which will be met from Ground water source. Bore well (5 nos.) have been proposed to fulfil the water requirement for which permission has been accorded by CGWA. During operational phase the water requirement is 270 KLD. The source of water during operation phase will be ground water. Out of total requirement of 270 KLD; 50 KLD will be met through fresh water (from ground water) and 220 KLD from recycled treated waste water from STP.

10. Wastewater details: The project will generate approx. 232 KLD of wastewater. The wastewater will be treated in STP of 250 KLD capacity which will be used for both commercial and residential units. The treated effluent (approx. 220KLD) will be reused for flushing, floor washing, chiller and gardening. Hence, there will 100% utilisation of treated waste water. During monsoon season, 30 KLD treated water will be discharged to the NH drain passing adjacent to the plot.

11. Rainwater harvesting details: Rain water @ 18360m³ per year will be harvested considering 1500 mm of annual rain fall over Ground Coverage (4700 m², Run Off Coefficient 0.9), Open Parking (291 m², Run Off Coefficient 0.8), Road (8922 m², Run Off Coefficient 0.8), Green Belt (3200 m², Run Off Coefficient 0.2). There will be 12 nos. of recharge pits each having dimension of 4.5 m length X 1.5 m width X 6 m depth. The excess storm water will be diverted through storm water drain to the external drainage system. The entire site shall be sub divided for recharging structures. It has been proposed to provide recharge pits for the desired purpose. Through the internal drainage network rain water will be diverted into percolation chamber to the recharge well.

12. Parking details: Total parking area provided will be 17552.77 Sq. Mt. The parking area will be provided in the basement and open parking area. Details of parking break up and ECS is as follows:

Parking Area Break Up

Particulars	Basement - 1	Basement - 2	Open/ Surface Parking	Total	Remarks	ECS (In nos. (NBC))
Commercial Parking (in m ²)	2095.58	5675.71		7771.29		243
Residential Parking (in m ²)	4559.47	4930.64		9490.11	Residential Parking: 9053.12 Sq. M.	297

Minutes of 177th Meeting of SEIAA, Odisha held on 28.10.2024 & 29.10.2024

					Residential Parking (EWS): 436.99 Sq. M.	
Open Parking/ Surface Parking (in m ²)			291.37	291.37		13
				17552.77		553

13. **Power Requirement:** There will be 2 separate transformer units for the residential and commercial block respectively. The electricity requirement for the project will be supplied from the TPCODL, Puri, Odisha. The total electrical load for the operation is expected to be 2000 KW or 2.5 MVA. For backup power, 2 nos. x 550 KVA DG will be installed within the premises. The solar panels will also contribute to 5% of the total electricity requirement of the project.
14. **Fire fighting Installations:** A peripheral road of 7.5m width having a load bearing capacity of 45 tons has been proposed for any fire emergency. Another 7.5m wide road will be running internally connecting the buildings which will also have a load bearing capacity of 45 tons and the fire tender path will be kept clear of any type of big plantations. 11th floor of every building will have a refuge area towards the external wall of the building where the people wait for the fire fighters in case of any emergency. The width of the staircase has been kept 1.5 m to 2m for easy movement during the time of any emergency. An external fire staircase with fire resistant doors to with stand fire up to 2-3 hours have been proposed for fighting such eventualities. Provision for wet risers and dry risers have all been provided for having sufficient measures to fight fire emergencies.
15. **Solid waste generation:** The waste generated would be approximately 574 Kg per day, including both the residential and commercial units. Out of which 230 Kg (574 x 40%) will be organic waste and 344 Kg. (574 x 60%) will be inorganic waste. Inorganic waste will be disposed through Puri Municipality. Individual waste bins will be installed at approach points for collection of inorganic waste by the Municipal workers and for organic waste a composting yard will be provided at ground floor with a Bio-Mechanical Waste Composter machine. Disposal of solid waste through segregation, collection and treatment and disposal in an environmentally sound manner to minimize the adverse impact on the environment. Segregation of waste in to three streams, Wet (Biodegradable), Dry (Plastic, Paper, metal, wood, etc.) and domestic hazardous wastes (diapers, napkins, empty containers of cleaning agents, mosquito repellents, etc.) and handover segregated wastes to authorized rag-pickers or waste collectors or local bodies.
16. **Greenbelt:** Green belt will be developed over an area of 3200 sq. mt. which is 20% of the total plot area. Total 800 nos. of plants to be planted and the spacing will be 2 m. for trees, 1 m. for shrubs. The plantation mainly will be carried out along the boundary and the open space. It will be 3 tier plantations.
17. **Traffic study** - As per the traffic monitoring carried out on Junction Point of NH-316 & SH-59 the traffic density on the junction will be 69 vehicles per hour equivalent to 72.3 PCU per hour. The Level of service is V/C = 0.06; LOS- A (Excellent). Existing road is found adequate for the present traffic scenario including the additional traffic due to the proposed project. From the study it can be observed that the level of service on the road will remain unchanged due to the proposed the construction project.
18. **Project cost:** Total estimated cost of the proposed project is Rs.112.46 Cr. the capital cost for EMP is Rs.45 Lakh and the recurring cost for EMP is Rs.12 Lakh per annum.

Proposed Budgets for Environmental Protection Measures (Capital Cost)

Sl. No.	Particulars	Amount (Rs. in Lakhs)
1	Installation of STP within the project site	20

2	Construction of Rain Water Harvesting structure and recharge pits	8
3	Plantation along the project boundary and transplantation of existing trees in the green belt area	5
4	Construction of Surface Water Drains	4.5
5	Construction of stack for DG sets	3.80
5	Solid waste Management	3.8
Total		45.1

Proposed Budgets for Environmental Protection Measures (Recurring Cost)

Sl. No.	Activities	Allocated Budget (in Rs.)/ Annum
1.	Maintenance of STP	4,00,000/-
2.	Plantation and maintenance of the green belt and avenue plantation	3,00,000/-
3.	Regular maintenance of DG set and monitoring of DG stack	3,00,000/-
4.	Environmental Monitoring	2,00,000/-
Total		12,00,000/-

19. **Environment Consultant:** The Environment consultant M/s. Kalyani Laboratories Pvt. Ltd., Bhubaneswar along with the proponent made a presentation on the proposal before the Committee on 20.11.2023.

20. The SEAC in its meeting held on dated **20-11-2023** recommended the following:-

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

- Clarification from District Collector or WATCO indicating that the project location is not coming under sweet water zone.
- The water balance needs to be revised from an expert to justify the amount of water to be re-utilized in the chiller.
- The bottom RL of Rainwater Harvest recharge pits, bottom RL of STP and Ground water table RL during the summer and rainy season. Ensure that the difference between both RLs should be atleast 1m gap to prevent seepage.
- Traffic study report vetted by institute of repute.
- Mitigation plan for management of sand deposition in drains due to wind action.
- Since, the exit gate is common for both residential and commercial purpose, it needs to be widened to 7.5m.
- NOC from CGWA and permission from the WR Department, Govt. of Odisha for usage of ground water for commercial purposes.
- Location of the project superimposed in CRZ map. Clarification from the CRZ authority that the project is not coming under the CRZ area.
- Structural Stability Certificate from a reputed institute.
- Copy of approval of the project by PuriKonark Development Authority (PKDA).
- Permission from NH authorities need to be obtained for utilization of their drain for discharge of excess rainwater.

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

- Environmental settings of the project site.
- Verify if the site is a flood prone area.
- Construction activity if any started at the site.
- Road connectivity to the project site.
- Drainage network at the site.

Minutes of 177th Meeting of SEIAA, Odisha held on 28.10.2024 & 29.10.2024

- vi) Discharge point for discharge of treated water and distance of the discharge point from the project site.
- vii) 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
1.	Clarification from District Collector or WATCO indicating that the project location is not coming under sweet water zone.	We have already approached District Collector, Puri seeking clarification that the project location is not coming under sweet water zone. Copy of the same is enclosed as Annexure -1 .	Application has been submitted.
2.	The water balance needs to be revised from an expert to justify the amount of water to be re-utilized in the chiller.	Water Balance Diagram has been vetted by an expert and the same is enclosed as Annexure-2 .	Revised water Balance submitted by PP suggest ZLD Revised in Non-Monsoon period. There is no clarity regarding the quantity of excess treated water discharge to nearest drain. Also there is no water balance given for Monsoon period.
3.	The bottom RL of Rainwater Harvest recharge pits, bottom RL of STP and Ground water table RL during the summer and rainy season. Ensure that the difference between both RLs should be at least 1m gap to prevent seepage.	We do undertake to ensure that the difference between the RL of the STP will be at least 1 meter above the ground water table RL during summer and rainy season.	-
4.	Traffic study report vetted by institute of repute.	The traffic study report has been prepared by School of Mechanical Engineering, KIIT University, Bhubaneswar and the same is enclosed as Annexure-3 .	LOS comes to be A – Excellent and there will be no change in LOS after inclusion of project.
5.	Mitigation plan for management of sand deposition in drains due to wind action.	The drains will be covered and it will be cleaned periodically.	-
6.	Since, the exit gate is common for both residential and commercial purpose, it needs to be widened to 7.5m.	The exit gate is 7.79 meter width as mentioned in the drawing attached as Annexure-4 .	-
7.	NOC from CGWA and permission from the WR Department, Govt. of Odisha for usage of ground water for commercial purposes.	NOC from CGWA is enclosed as Annexure -5 and letter from office of the Executive Engineer, P.H. Division, Puri is attached as Annexure-6 .	NOC from CGWA is attached. Letter from Executive Engineer, P.H. Division, Puri mentioning they will

Minutes of 177th Meeting of SEIAA, Odisha held on 28.10.2024 & 29.10.2024

			provide PHED water after inclusion of this area in Puri Municipality zone.
8.	Location of the project superimposed in CRZ map. Clarification from the CRZ authority that the project is not coming under the CRZ area.	We have already approached to the Director, Forest Environment and Member Secretary, Odisha for Coastal Zone Management Authority and is attached as Annexure-7 .	Application by PP has been submitted for NOC from the CRZ authority.
9.	Structural Stability Certificate from a reputed institute.	Structural Stability Certificate from a reputed institute is attached as Annexure-8 .	Copy submitted
10.	Copy of approval of the project by Puri Konark Development Authority (PKDA).	Copy of approval of the project by Puri Konark Development Authority (PKDA) is attached as Annexure-9 .	Copy submitted
11.	Permission from NH authorities need to be obtained for utilization of their drain for discharge of excess rainwater.	The drainage drawing as approved by NHAI is enclosed as Annexure-10 . Moreover, we also approached NHAI to obtaining the permission for utilization of their drainage for discharge of excess rain water vide our letter dated 23.03.2024 and the same is enclosed as Annexure-11 .	<ul style="list-style-type: none"> •Provisional NOC has been given by NHAI for road accessibility to the project site after payment of requisite fee to the central Govt. account. •Application by PP to discharge excess treated water to nearest drain has been submitted to Director NHAI, Bhubaneswar.
<p>22. The proposed site was visited by the sub-committee of SEAC on 09.03.2024. Following are the observations of the sub-committee:</p> <ol style="list-style-type: none"> a) The PP explained the layout. The project is for both residential with commercial activities. b) It is side of the Puri bypass road. They have separate entry for residential and commercial with wider exit gate. No construction made. c) The PP is raising the ground level about a meter above the road. He was asked to submit the RL as basement parking is planned. Site does not appear to be flood prone. d) All statutory permission including the new proposed airport at Puri to be taken from appropriate authority. e) Permission from Highway authority for construction of drain and discharge of storm water and excess treated water to be taken from appropriate authority including internal drain approval. f) Parking (residential, commercial) and green belt to be furnished in percentage. Also, area for visitors parking in residential area to be submitted. g) All other points asked during presentation to be complied. <p>After detailed discussion, the SEAC decided to take the decision on the proposal after receipt of the following from the proponent.</p> <ol style="list-style-type: none"> a) Clarification from District Collector or WATCO indicating that the project location is not coming under sweet water zone. Only application has been submitted by PP. 			

- t) Revised water Balance submitted by PP suggest ZLD in Non Monsoon period. There is no clarity regarding the quantity of excess treated water discharge to nearest drain. Also there is no water balance given for Monsoon period.
 - c) Permission from the WR Department, Govt. of Odisha for usage of ground water for commercial purposes to be submitted.
 - d) The PP has submitted application to CRZ authority. NOC from the CRZ authority that the project is not coming under the CRZ area.
 - e) The PP has submitted application for NHAI for discharge of excess rain water to nearest land. Permission from NH authorities need to be obtained for utilization of their drain for discharge of excess rainwater.
 - f) Submit the RL as basement parking is planned.
 - g) Permission from Highway authority for construction of drain and discharge of storm water and excess treated water to be taken from appropriate authority including internal drain approval.
 - h) Parking (residential, commercial) to be furnished in percentage form. Also, area for visitors parking in residential area to be submitted.
23. Any deficiencies/omission have been noticed in the above documents- In the KML file it appears that just one year back some construction work was done there and tree species were present in the plot area are cutdown/ or relocated and some excavators are used to plane the plot area.
2. **Whether SEAC recommended the proposal** – Yes, the proposal was placed in SEAC meeting held on 25.07.2024 and the SEAC recommended to grant EC valid for 10 years with stipulated conditions.
 - i) The PP has submitted letter no.73/OCZMA, dated 16.08.2017 issued by Odisha Coastal Zone Management Authority, Forest & Environment Dept., Govt. of Odisha. In point no. 04, it is clearly mentioned that, the Sweet Water Zone consist of Chakratirtha area (about 448 acres) and baliapanda area of Puri Town (207.52 acres). Our project (which is in Siparabali Mouza) is not coming under Sweet Water Zone. The PP has applied to the District Collector to clarify that the project location is not coming under sweet water zone was asked by SEAC. But no clarification has been received. The PP shall obtain permission from the District Collector or WATCO indicating that the project location is not coming under sweet water zone before commencement of the project work.
 - ii) The Costal Zone Management Authority, Odisha vide letter no. 103/OCZMA, dated 20.04.2024 intimated that the proposal does not require CRZ clearance/recommendation from Odisha Coastal Zone management Authority. However, the following corditions should be strictly followed as the site is near the CRZ boundary area : stipulated in the letter.
 - a. It must be ensured that the untreated effluent and solid wastes should not be discharged into the sea water and river water, beach area and CRZ area.
 - b. Ecologically sensitive areas around the project shite shall not be used for any purpose.
 - c. Any activities, if proposed inside the CRZ area to the above plot areas as mentioned in require prior permission from the Authority.
 - d. This NOC is only applicable to the above plot area as mentioned in the permission letter.
 - iii) The PP before implementation of the project shall convert the land to Gharabari and shall take ownership of the land if not already taken.
 - iv) Greenbelt shall be developed in minimum 20% (excluding landscaping)
 - v) The PP shall adopt Zero Liquid Discharge (ZLD) concepts as proposed.
 - vi) The PP shall use solar energy at least to the tune of 5% of the total power requirement as proposed.
 - vii) The PP shall obtain permission from concerned Fire Safety Authority.

Minutes of 177th Meeting of SEIAA, Odisha held on 28.10.2024 & 29.10.2024

- viii) Trees located within the project area shall be transplanted to alongside the boundary green development area.
- ix) The PP shall implement the Pollution Control measure and Safeguards as proposed in the EMP of project report.
- x) The PP shall maximise utilization of treated water in flushing, plantation and ground washings etc. with zero discharge to drain as there will be ZLD in the project as mentioned by PP. This is to be verified in future compliance report.
- xi) Before starting the construction physical properties as well as engineering properties of the soil along with its bearing capacity should be undertaken and the report should be submitted.
- xii) All compliances submitted/committed by PP(s) shall be strictly adhered to them in addition to all the conditions/specific conditions of EC.

Decision of Authority: Approved

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

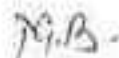


Member Secretary, SEIAA

Signed by



Member, SEIAA



Chairman, SEIAA

PARIVESH 1.0, AGENDA No. 177.24	
Proposal No.	SIA/OR/MIN/408324/2023
Date of application	07.12.2022
File No.	408324/849-MINB2/12-2022
Project Type	Proposal for EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for grant of EC for Motigam Stone Quarry - II over an area of 1.00 acres or 0.404 hectares bearing Khata no. 654, Plot no. 5262, in Village Motigam, Tahasil Kodinga, District Nabarangpur State Odisha.
Name of the company/Organization	Tahasildar, Kodinga
Location of Project	Village Motigam, Tahasil Kodinga, District Nabarangpur State Odisha.
ToR Date	N/A
Name of the Consultant	N/A
Whether submitted scrutiny fee (Yes/No)	Not required as Tahasildar is the applicant.
Whether submitted payment of receipt towards tree plantation (Yes/No)	To be given
1. Proposal in brief: The highlights of the proposal as ascertained from the application and as revealed from proceedings/discussion held during the meeting of SEAC/SEIAA, are given as under.	
(i) This is a proposal for mining of Stone from Motigam Stone Quarry - II over an area of 1.00 acres or 0.404 hectares bearing Khata no. 654, Plot no. 5262, in Village Motigam, Tahasil Kodinga, District Nabarangpur State Odisha.	
(ii) The mining area is a part of Survey of India Toposheet No. 65I/3 (E44K3), bounded by Latitude: 19°22'49.04" N to 19°22'52.15" N and Longitude: 82°13'13.45" E to 82°13'16.91" E bearing Khata no.654, Plot no. 5262, KISSAM-Patharjani	
(iii) The mining lease is an identified sairat source in the DSR. The Motigam Stone Quarry - II sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Kodinga to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.	
(iv) Documents submitted: -Form-1, PFR, DLC, EMP, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, Kodinga, topo map etc.	
(v) Distance from nearest sanctuary/ESZ- Sunabeda WLS-124.0km	
(vi) Whether the lease area coming in DLC report-No as submitted certificate by Tahasildar, Kodinga vide letter no. Nil dated Nil.	
(vii) Whether submitted scrutiny-No, as Tahasildar is the applicant.	
(viii) Whether submitted KML file-Yes	
(ix) Whether the lease area reflecting in DSR-Yes	
(x) Method of mining-Semi-mechanized both drill and blasting will be occurred.	
(xi) Distance from nearest road bridge-7.30 km, village -0.01km	
(xii) Whether it is part of cluster - No	
(xiii) Whether EC obtained earlier-Yes, from DEIAA, Nabarangpur vide letter no. 718 dated 10.04.2017.	
(xiv) Date of approval of mining plan- Joint Director Geology, Zonal Survey, Koraput vide letter no. 730 dt. 30.09.2022.	

Minutes of 177th Meeting of SEIAA, Odisha held on 28.10.2024 & 29.10.2024

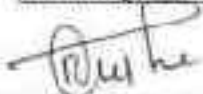
- (xv) Production capacity per annum-2881 cum/annum (max.), total production in 5 years period- 4405 cum, Geological reserve-52949 cum and Mineable reserve-22780 cum.
- (xvi) Budget provision for EMP- Rs. 1.30 Lakh/annum
- (xvii) Whether the DSR has been prepared as per the MoEF& CC, Govt. of India Notification S.O. 3611(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020 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 Vs. Pawan Kumar and Others)- No
- (xviii) Any deficiencies/omission have been noticed in the above documents- **Village Road is located 10 meter from the proposed quarry and blasting will be occur in this case.**

3. Whether SEAC recommended the proposal – Yes, the proposal was placed in SEAC meeting held on 29th, 30th 31st August 2024 and the SEAC recommended to grant EC valid from the date of EC accorded up to the lease period with following additional conditions.

- i) 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.
- ii) In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured.
- iii) Plantation programme to be completed within first two years and to be maintained in remaining years.
- iv) Depth of Mining as proposed should not be beyond 6m from the ground level.
- v) Mitigation measures for flying Rock for safety be put in place.
- vi) 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.
- vii) 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.
- viii) 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.
- ix) All the dumps shall be covered by retaining wall, garland drains and settling ponds.
- x) Maximum depth of quarry shall not exceed 6 meters from ground level as per guidelines.
- xi) No explosives shall be stored without approval of competent authority and all the precautions for blasting shall be put in place.
- xii) Worked out pit shall be fenced.
- xiii) No tree growth in the lease area if present shall be damaged.

Decision of Authority: Referred back to SEAC

After detailed deliberation in the matter, the authority referred back the proposal to SEAC for re-examining the case as per the distance criteria prescribed by CPCB with respect to stone quarry (with blasting) with respect to village road.


Member Secretary, SEIAA

Signed by

Member, SEIAA


Chairman, SEIAA

Minutes of 177th Meeting of SEIAA, Odisha held on 28.10.2024 & 29.10.2024

PARIVESH I.O, AGENDA No.177.25	
Proposal No.	SIA/OR/IND1/437344/2023
Date of application	19.07.2023
File no.	437344/45-IND1/07-2023
Project Type	Proposal for ToR
Category	B1
Project/Activity including Schedule No.	3(a) Metallurgical Industries (ferrous and nonferrous) Secondary metallurgical process involving only heating of non-toxic metals with pickling using Solid/ Liquid Fuel in the furnace
Name of the Project	ToR Proposal for Regularization of Re-Rolling Mill Plant of 60000 TPA (Roads, Angels, Flats, Bars & Patti) and Galvanization Unit of 30000 TPA capacity, in compliance to the MoEF&CC Notification dated 20th July 2022 at Village Ratakhandi, PO: Bisra, Dist: Sundergarh, Odisha by M/s Maa Bhagwati Re-Rolling Mills Pvt. Ltd.
Name of the company/Organization	Sri Rajesh Kumar Rajuka M/s Maa Bhagwati Re-Rolling Mills Pvt. Ltd.
Location of Project	Village Ratakhandi, PO: Bisra, Dist: Sundergarh, Odisha
ToR date	Yet to issued
Name of Consultant	M/s. Parivesh Environmental Engineering Services, Lucknow
Whether submitted scrutiny fee (Yes/No)	Yes , Rs.2.0 Lakh vide e Challan Reference Id. No. 35B7E8D153 dated 18.07.2023
Whether submitted payment of receipt towards tree plantation (Yes/No)	Not required

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 Maa Bhagwati Re-Rolling Mills Pvt. Ltd for Regularization of Re-Rolling Mill Plant of 60000 TPA (Roads, Angels, Flats, Bars & Patti) and Galvanization Unit of 30000 TPA capacity, in compliance to the MoEF&CC Notification dated 20th July 2022 over an area 2.2 acres (0.89 Hect.) at Village Ratakhandi, PO: Bisra, Dist: Sundergarh of Sri Rajesh Kumar Rajuka.
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

Minutes of 177th Meeting of SEIAA, Odisha held on 28.10.2024 & 29.10.2024

Cold Rolled Stainless Steel Manufacturing Industries require prior environment clearance as per EIA notification 2006.

4. Consent to Operate from SPCB, Odisha has been obtained for the above plant vide Consent Order No. 0560/SPCB/RKL (APC & WPC) dated 31.03.2017 for Re-Rolling Plant and Consent Order No. 0599/SPCB/RKL (APC & WPC) dated 22.06.2017 both are valid till 31.03.2027.
5. **Location and connectivity:** M/s Maa Bhagawati is located at Khata No. 38/94 (Plot No. 357/559, 358/560, 359/361) & 38/95 (Plot No. 359/561, 357/562, 359/364) in Village Ratakhandi, PO: Bisra, Dist. Sundergarh, Odisha. The geocoordinates of the project are: Latitude 22°15'0.43"N and Longitude 84°59'9.60"E. The nearest Railway Station is Bisra Railway Station which is located at about 1.1 km in ESE direction and Rourkela Airport is at a distance of approx. 17.5 km in WNW direction from the project site.
6. **Manufacturing process:**
 - a) Process involved in Re-rolling Mills are: When the rolling temperature of billet /ingot reaches 1200 degree centigrade it removes from the discharge gate by the ejector and drop down in roughing mills conveyor. Re heating furnace discharge billet/ ingot at 1100-1200-degree centigrade temperature which is rolled using passes 6 Passes. 2 passes and 1 pass in stand 1, 2 & 3rd of roughing mill respectively with the help of Y- table and turning wall. Billet/ Ingot's cross-sectional area decrease as its length is increase. Material after rolling in roughing mill reach first stand to 7th stand of intermediate mill with the help of two nos pinch roll and two nos of rotary shear after cutting of front-end rear end of the pes. Air Cooling at cooling bed till black colour, Standard length cutting by shearing machine (Heat/lot wise and Straightening (if required) by straightening machine
 - b) Process involved in galvanizing of steel are Pickling/cleaning of Rolling Products to remove surface oxides and impurities, Mechanical Scraping of the surface, Pre-treatment, cleaning and degreasing by special solvent like sodium hydroxide solution and followed by pickling, galvanizing of rolled products by immersing of Rerolled product in the molten bath of Zinc followed by water quenching, Inspection of Galvanized and Dispatch to market.
7. **Raw materials required:**

Table: Raw Material for Rolling Mill (M.S Pipe)

S.No.	Raw Material	Quantity (TPA)	Source	Mode of transport
1	Billets/Ingots	63,000	Open Market	Road

Table: Raw Material required in the Galvanizing Unit for steel Products (Cold Plating)

S.No.	Raw Material	Quantity (TPA)	Source	Mode of transport
1	Rolled Products (Roads, Angels, Flats, Bars & Patti)	30500	Captive Plant	--
2.	Zinc	685	Open Market	Road
3.	Acid	595	Open Market	Road
4.	Lime Treatment	435	Open Market	Road
Total		32215		

8. **Water Requirement:** Total one-time water demand is 37 KLD out of which fresh water 21 KLD will be sourced from Ground Water. NOC will be obtained from CGWA. Details are as given below:

Item	Fresh (KLD)	Recycled (KLD)	Total Water Demand (KLD)
Industrial Use (Rolling)	5	12	17
Domestic Use	2	-	2
Plantation and Dust Suppression	4	-	4

Minutes of 177th Meeting of SEIAA, Odisha held on 28.10.2024 & 29.10.2024

Galvanizing	10	4	14
Total	21	16	37

9. **Power Requirement:** The total power requirement for the existing plant is 1.5 MW. The power will be sourced from State Grid. There is 1 DG set of 200 kVA for emergency.

10. Waste generation:

- a) The treated effluent from Re-Rolling Mill is being utilized for dust suppression and ash conditioning. No effluent is being let out of the plant premises. Hence Zero effluent discharge concept is being implemented. All the domestic sewage is being transferred to septic tank and is being used for the green belt development. Same practise will be followed in future.
- b) A very common and simple treatment applied to galvanic wastewaters is chemical precipitation with lime. In order to reduce the volume and water content of the precipitate formed at the last stage of sedimentation, inorganic coagulants (for example, iron chloride) or polyelectrolytes are added to the wastewater. Zinc can be recovered in insoluble forms as hydroxides by using several alkaline reagents, like CaO or Ca(OH)_2 , Mg(OH)_2 , NaOH , and NH_4OH . Coagulation and flocculation followed by sedimentation and filtration also employed to remove heavy metal from wastewaters. Coagulation is the destabilization of colloids by neutralizing the forces that keep them apart. Many coagulants are widely used in the conventional wastewater treatment processes such as aluminium, ferrous sulphate and ferric chloride, resulting in the effective removal of wastewater particulates and impurities by charge neutralization of particles and by enmeshment of the impurities on the formed amorphous metal hydroxide precipitates.

11. Solid waste generation and management

S. No	Waste	Quantity	Management
a)	Mill Scale	1600 TPA	Sold to Nearby by Steels industry
b)	End Cutting	1400 TPA	Sold to Nearby by Steels industry
c)	Used Oil from DG Set	0.1 KL/annum	Reused in industry for machine cleaning
d)	Acid neutralization lime sludge generated	1217 TPA	Sold to registered recyclers
e)	MS Scrap	855 TPA	Sold to Nearby by Steels industry
f)	Mill Scale (Pickling)	330 TPA	Sold to Nearby by Steels industry
g)	ETP Sludge	0.5 TPA	TSDF

12. **Greenbelt development plan:** Approx. 0.293Ha. of total land availability is reserved for greenbelt development plan. About 750 Nos. (0.293Ha x 2500 plant/ha) Plants will be maintained. Approx. 200 Nos. of plants has been already planted at site. 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. The tree species to be selected for the plantation are pollutant tolerant, fast growing, and wind firm, deep rooted. A three-tier plantation is proposed comprising of an outer most belt of taller trees which will act as barrier, middle core acting as air cleaner and the innermost core which may be termed as absorptive layer consisting of trees which are known to be particularly tolerant to pollutants.

13. **Manpower Requirement:** The employment is around 300 Persons and contractual labour-50 Nos. In indirect employment, there would be development of externalities viz. local logistics, warehousing etc. as supporting services.

14. **Total Project cost:** The existing project cost is estimated to be 8.95 Crores. Proposed EMP Cost is INR 40.00 Lakhs as Capital Cost & INR 15.00 Lakhs as Recurring Cost

Minutes of 177th Meeting of SEIAA, Odisha held on 28.10.2024 & 29.10.2024

S. No	Particulars	Amount (In lakhs)	
		Capital Cost	Recurring Cost/ Annum
a)	Air Pollution /Noise pollution Control System	25	5.00
b)	Green Belt Development	08	2.00
c)	Environment Monitoring and Management	-	5.00
d)	Water Pollution Control System	03	1.00
e)	Occupational Health& Safety	04	2.00
	Total	40	15.00

15. **Environment Consultant:** The Environment consultant M/s AMPL Environ Private Limited, Hyderabad along with the proponent made a presentation on the proposal before the Committee on 28.08.2023.

16. 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 EC application:

- Copy of all consent certificates (CTE, CTO etc.)
- Copy of authorization for Hazardous waste disposal to RAMKY.
- As reported, the run off rain water from the plant is disposed to the back fields i.e. to non-industrial areas. The proponent shall have a provision for storm water drainage system and management to collect run-off water from the whole plant.
- Land documents along with kisan of land.
- Details of HCl storage and mitigation measures adopted for acid leakage.
- Note on how ETP treated water is to be reused in rolling mill.
- Details of fly/bottom ash generation and its management.
- Details of spent refractions in terms of generation and permission for its disposal/selling to authorized vendors as they are hazardous.
- Details of Wastewater Treatment Facility of galvanizing unit as well as other plant facilities
- During the presentation, it was come to know that there is no plantation in the existing plant and also no vacant space is available for plantation. The industry has to clarify how to develop greenbelt of 33% inside the plant premises.

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.
- Detailed Wastewater Treatment facility available for galvanizing unit as well as other plant facilities.
- Vacant land available.
- Any other issues including local issues.

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

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent		
1.	Copy of all consent certificates (CTE, CTO etc.)	All consent certificates (CTE, CTO etc.) are enclosed as Annexure 1. Chronology of CTE/CTO		
		S.No.	CTE/CTO details	Issue Date
		1.	CTE for Production of 4500 MT/Year of Re-Rolling Products vide letter No. 1502	21/05/2010

			2.	CTO for Production of 4500 MT/Year of Re-Rolling Products vide letter No. 241/ Consent order No. 0159/SPCB/RKL/APC&WPC, valid till 31.03.2012	15/02/2011	
			3.	Amendment in existing CTE letter No. 1502 dated 21/05/2010 vide memo No. 2506	09/11/2011	
			4.	Renewal of CTO for Production of 4500 MT/Year of Re-Rolling Products vide letter No. 1559/ Consent order No. 0159/SPCB/RKL/APC&WPC, valid till 31.03.2016	11/07/2012	
			5.	Amendment in existing CTE for expansion from 4500 MTPA to 24000 MTPA of Re-Rolling Products vide letter No. 1051	19/03/2016	
			6.	CTO for Production of 24000 MT/Year of Re-Rolling Products vide letter No. 1515/ Consent order No. 0467/SPCB/RKL/APC&WPC, valid till 31.03.2021	30/04/2016	
			7.	Amendment in existing CTE for expansion from 2000 TPM to 5000 TPM of Re-Rolling Products vide letter No. 253	10/02/2017	
			8.	CTO for Production of 5000 TPM (60,000 MT/Year) of Re-Rolling Products vide letter No. 716/ Consent order No. 0560/SPCB/RKL/APC&WPC, valid till 31.03.2027	31/03/2017	
			9.	Amendment in existing CTE for following expansion: (i) Re-rolling products of quantity 60,000 TPA to 1,20,000 TPA (One additional Re-Heating Furnace- 1 x 12 T/Batch) (ii) MS Ingot and Billets (IF-2 x 6 T/Heat)-29,000 TPA (iii) Billet Caster (CCM)-	10/05/2017 (only galvanized unit of 30000 TPA has been installed and no other	

			29,000 TPA (iv) Galvanized Steel- 30,000TPA & (v) Slag Crusher for metal recovery from IF Slag- 1x10 TPH vide letter no. 1055	expansion part installed and constructed yet]																																											
		10.	CTO for Production of 30,000 MT/Year of Galvanized Steel vide letter No. 1410/ Consent order No. 0599/SPCB/RKL/APC&WPC, valid till 31.03.2027	22/06/2017																																											
2.	Copy of authorization for Hazardous waste disposal to RAMKY.	HWA from PCB and MoU with Ramky for Hazardous disposal is enclosed as Annexure 2 .																																													
3.	As reported, the run off rain water from the plant is disposed to the back fields i.e. to non-industrial areas. The proponent shall have a provision for storm water drainage system and management to collect run-off water from the whole plant.	Detail of storm water drainage system and management to collect run-off water is enclosed as Annexure 3 . Revised Layout of showing drainage system in plant is enclosed as Annexure 4 .																																													
4.	Land documents along with kisam of land.	After detailed investigation of land documents of plant, we found the total project area is 2.77 Acres (1.1209 Ha.) instead of 2.20 Acres (0.89 Ha.). So, we requested you to kindly consider the corrected project area is 2.77 Acres (1.1209 Ha.) instead of 2.20 Acres (0.89 Ha.). The Land Details is given below: <table><tr><th colspan="5">LAND DETAILS</th></tr><tr><th>Khata No.</th><th>Rev Plot No</th><th>Kisam</th><th>Area (in Acres)</th><th>Plant Area (in Acre)</th></tr><tr><td rowspan="3">38/94</td><td>357/559</td><td>Karakhara</td><td>0.175</td><td rowspan="3">1.00</td></tr><tr><td>358/560</td><td>---do---</td><td>0.055</td></tr><tr><td>359/561</td><td>---do---</td><td>0.770</td></tr><tr><td rowspan="3">38/184</td><td>357/562</td><td>Karakhara</td><td>0.150</td><td rowspan="3">1.20</td></tr><tr><td>359/563</td><td>---do---</td><td>0.850</td></tr><tr><td>359/564</td><td>---do---</td><td>0.200</td></tr><tr><td>38/165</td><td>359/643</td><td>Karakhara</td><td>0.570</td><td>0.57</td></tr><tr><td colspan="3">Total</td><td colspan="2">2.77</td></tr></table>				LAND DETAILS					Khata No.	Rev Plot No	Kisam	Area (in Acres)	Plant Area (in Acre)	38/94	357/559	Karakhara	0.175	1.00	358/560	---do---	0.055	359/561	---do---	0.770	38/184	357/562	Karakhara	0.150	1.20	359/563	---do---	0.850	359/564	---do---	0.200	38/165	359/643	Karakhara	0.570	0.57	Total			2.77	
LAND DETAILS																																															
Khata No.	Rev Plot No	Kisam	Area (in Acres)	Plant Area (in Acre)																																											
38/94	357/559	Karakhara	0.175	1.00																																											
	358/560	---do---	0.055																																												
	359/561	---do---	0.770																																												
38/184	357/562	Karakhara	0.150	1.20																																											
	359/563	---do---	0.850																																												
	359/564	---do---	0.200																																												
38/165	359/643	Karakhara	0.570	0.57																																											
Total			2.77																																												

Minutes of 177th Meeting of SEIAA, Odisha held on 28.10.2024 & 29.10.2024

		Land Documents along with kisam of land is enclosed as Annexure 5.
5.	Details of HCl storage and mitigation measures adopted for acid leakage.	Detail of HCL Storage and mitigation measures adopted for acid leakage is enclosed as Annexure 6.
6.	Note on how ETP treated water is to be reused in rolling mill.	ETP Process detail and detail of reused in rolling mill is enclosed as Annexure 7.
7.	Details of fly/bottom ash generation and its management.	Fly Ash/Bottom Ash- Nil generated at site
8.	Details of spent refractories in terms of generation and permission for its disposal/selling to authorized vendors as they are hazardous.	Not applicable
9.	Details of Wastewater Treatment Facility of galvanizing unit as well as other plant facilities	Detail of Wastewater Treatment Facility is enclosed as Annexure 7.
10.	During the presentation, it was come to know that there is no plantation in the existing plant and also no vacant space is available for plantation. The industry has to clarify how to develop greenbelt of 33% inside the plant premises.	<ul style="list-style-type: none"> The plant is located over an extent of 2.77 acres (1.1209 Ha). out of this 33.45 % of the area i.e. 0.375Ha. has been developed with greenbelt. 400 nos. plants were planted, and 310 nos are survived (77-80% survival rate) and present in the existing premises. No additional land is required for proposed expansion Now, It is proposed to complete the 33% greenbelt area i.e. 0.375 Ha., which is completely available in project area. It is proposed to plant total 950 nos of plants to Complete 33% green area (310 existing plant + 640 additional plant). 640 Nos. of samplings will be planted as part of gap filling within the existing premises. Revised Layout of showing Greenbelt area in plant is enclosed as Annexure 4.

18. The proposed site was visited by the sub-committee of SEAC on **01.06.2024**. Following are the observations of the sub-committee:

- a) The team was accompanied by Sri Rajesh Kumar Rajuka and Sri Shivam Rajuka, Directors of the company.

- b) The plant is located very close to NH 320D, the road that connects Rourkela to Manoharpur.
 - c) The galvanizing plant was under operation, whereas the rest of the units were under maintenance at the time of the visit. It was learnt from the project proponent that only the galvanizing unit is operated during the day time, whereas the rest of the units are operated during night time (7.00 PM to 7.00 AM) to protect the operators from heat.
 - d) It was noticed that the galvanizing unit is being operated with proper precautionary measures. The acids are being stored in large containers and is being recycled. The waste water treatment facility is being used in a close circuit and the treated water is being used in the rolling mill as well as in the Zinc bath. A part of the waste water is also being used for dust suppression and plantation in the plant premises.
 - e) While drainage network exists for the plant operations, there is no drainage network to handle the storm water. The runoff water is being released to the nearby fields without treatment. Moreover, in case of rain, muddy and slippery conditions are created, which could result in slip and trip hazards. The PP was advised to adopt measures to avoid muddy and slippery conditions within the plant premises.
 - f) The storm water is discharged to the fields nearby in the north direction without any treatment. The project proponent is required to develop a drainage network followed by settling tanks to handle the runoff particularly during monsoon. The stored water may be used for plant operations as well as for dust suppressing and plantation activities. The treated water may also be used for ground water recharge through recharge pits. The detailed layout and design of drainage network and water and settling tanks are required to be presented for getting Environmental Clearance.
 - g) Imported coal is being used in the furnace which is resulting in a small quantity of fly/bottom ash. The ash so generated is being used for brick construction by a brick factory belonging to a sister concern adjacent to the plant. The gaseous and particulate matter control is being achieved through scrubbers. The efficiency of the scrubbers is required to be monitored at regular intervals.
 - h) Some plantation exists within the plant premises. A few saplings that has been planted earlier had dried up due to improper maintenance. Vacant space is available within the plant premises and it is possible to maintain a greenbelt with proper planning. The PP is required to plant trees of the native species with thick foliage in the proposed greenbelt, while plants such as Gulmohar may only be planted near the boundary close to the road. The PP is required to submit the descanted locations and details of species to be planted to maintain a greenbelt in 33% area.
 - i) It was observed that a few of the workers were not wearing the safety helmets. The PP was advised to enforce strict compliance of safety precautions within 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:

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

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.

Minutes of 177th Meeting of SEIAA, Odisha held on 28.10.2024 & 29.10.2024

2. Gas fuel or electricity	>0.12 MTPA to < 0.18 MTPA	≥0.18 MTPA	
----------------------------	---------------------------	------------	--

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 20.09.2024 and the 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 as per **Annexure – D** for conducting detailed EIA study with following specific ToRs without conducting public hearing:

- i) 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.
- 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.
- x) The project proponent to furnish details of disposal of coal ash generated from the producer gas plant proposed under the expansion.
- xi) The PP shall submit the designated locations for the greenbelt superimposed on Google Earth imagery and also the number and type of saplings to be planted within the plant premises to maintain a minimum cover of 33% area. The details are required to be shown at the time of presentation for Environmental Clearance.

Decision of Authority: Approved

After detailed deliberation, the authority decided to grant TOR without public hearing subject to specific and standard conditions as recommended by SEAC for conducting detailed EIA study for the project.


Member Secretary, SEIAA

Signed by

Member, SEIAA


Chairman, SEIAA

PARIVESH 1.0, AGENDA No.177.26	
Proposal No.	SIA/OR/INFRA2/432623/2023
Date of application	11.07.2023
File no.	-
Project Type	New EC proposal
Category	B
Project/Activity including Schedule No.	8(a) Building & Construction
Name of the Project	Proposal for EC of M/s. Devavrat Homes Private Limited for proposed Residential Project [B+S+9] multi storied Residential apartment with 2 nos. of Block. MIG group Housing block over Revenue Plot No.: 1002/5921, 1004, 1005, 1009, 909/6301, 910, 911 Khata No.725/3514, 725/5380, 725/543, 725/1689, 725/5027, 725/5019, 725/4983. The Total built up area of 34992.83 sqm & Total plot area - 8794.59 Sqm / 2.180 Ac /0.872 Ha at Kalarahanga, Bhubaneswar, District – Khorda, Odisha of Smt. Sunita Choudhary
Name of the company/Organization	M/s. Devavrat Homes Private Limited Smt. Sunita Choudhary
Location of Project	at Kalarahanga, Bhubaneswar, District – Khorda, Odisha
ToR Date	N/A
Name of the Consultant	M/s Visiontek Consultancy Services Pvt. Ltd. Bhubaneswar
Whether submitted scrutiny fee (Yes/No)	Yes, Rs. 3.0 Lakh vide. e Challan Reference Id. No. 359A4E2444 dated 22.02.2023
Whether submitted payment of receipt towards tree plantation (Yes/No)	Not required

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 proposal is for Environmental Clearance of M/s. Devavrat Homes Private Limited for proposed Residential Project [B+S+9] multi storied Residential apartment with 2 nos. of Block. MIG group Housing block over Revenue Plot No.: - 1002/5921, 1004, 1005, 1009, 909/6301, 910, 911 Khata No.725/3514, 725/5380, 725/543, 725/1689, 725/5027, 725/5019, 725/4983. The Total built up area of 34992.83 sqm & Total plot area - 8794.59 Sqm / 2.180 Ac /0.872 Ha at Kalarahanga, Bhubaneswar, District – Khorda, Odisha of Smt. Sunita Choudhary.
- Category:** As per EIA Notification, 2006 and its subsequent amendments, the proposed project falls under Item of Schedule to the EIA Notification, 2006 – category “B” or activity 8 (a): Building and Construction Projects.
- Location and Connectivity:** The proposed project is located at Plot No.: - 1002/5921,1004,1005,1009,909/6301,910,911, Khata No.: 725/3514, 725/5380, 725/543, 725/1689, 725/5027, 725/5019, 725/4983 at Mouza-Kalarahanga, Dist-Khorda, Odisha bearing Toposheet no: F45T15 and kissam of land is Gharabari. Geo-coordinates of project site is 20°21'56.84"N 85°50'23.75"E to 20°21'56.55"N 85°50'23.76"E. Site is flat land with average elevation of 70-75 m AMSL. Project site is well connected with New Bhubaneswar Road which connects to Nandankanan Road at the distance of

Minutes of 177th Meeting of SE/AA, Odisha held on 28.10.2024 & 29.10.2024

1.6 km East direction. Proposed project site also connects to NH-16 (7.96-SE) to the project site. Site connects to Bhubaneswar puri Highway-316 at a distance of 7.76 km in South East direction. Bhubaneswar New railway station is 1.6 km away in North. Bhubaneswar railway station is 10.87 km away in South. Biju Patnaik International Airport 12.74 km in South West. Chandaka RF is 9.94 km (W) And Nandankanan Zoo is 3.32 km (NNW)

8. The site is coming under Bhubaneswar Development Authority

9. The total plot area is 8794.59 Sqm / 2.180 Ac / 0.872 Ha, with total built-up area 34992.83 sqm.

10. The Building Area Details of the Project in tabulated form:

Total Built Up Area	34992.83 m²
Total FAR Area	26910.68 m²
F.A.R	3.059

LULC OF PROJECT SITE	AREA IN SQM	%
Ground floor coverage area	3083.09	35.06
Area for Internal Roads	2963	33.69
Others area	873.3	9.93
Greenbelt Area	1875.2	21.32
TOTAL	8794.593	100

FLOOR WISE AREA DETAILS

Floor	MIG	Parking	Others	Total Building Area
Basement	197.42	3897.61	66.9	4161.93
Stilt	68.67	2899.83	114.59	3083.09
1st Floor	2960.51		122.58	3083.09
2nd Floor	2960.51		122.58	3083.09
3rd Floor	2960.51		122.58	3083.09
4th Floor	2960.51		122.58	3083.09
5th Floor	2960.51		122.58	3083.09
6th Floor	2960.51		122.58	3083.09
7th Floor	2960.51		122.58	3083.09
8th Floor	2960.51		122.58	3083.09
9th Floor	2960.51		122.58	3083.09
	26910.68	6797.44	1284.71	34992.83

Total FAR Area	26910.68 m ²
F.A.R	3.059
Maximum height of building	Block-1 (for MIG)-29.20 m (B+S+9)
Total no. of Dwelling Units	267 MIG Units
No. of Floors	(Basement+Stilt+9)
Total no. of Dwelling Units	267 MIG Units

Minutes of 177th Meeting of SEIAA, Odisha held on 28.10.2024 & 29.10.2024

- 11. Water requirement:** Total water requirement for the project is 187 KLD which will be sourced from Municipality Supply/ CGWA. Total Fresh Water requirement is 123 m³/day. Total Flushing Water requirement is 64 m³/day. Total Water requirement is 187 m³/day (fresh water + flushing water).

Sl. No.	Name of Building	No. of Blocks	Total No. of Units	Type of unit with capacity	Occupancy	Total Water in Lpc d	Fresh water @90 LP CD	Flushing water @45 LPC D	Waste Water Generate in Ltr.			Total
									From Domestic Use	From Flushing	Total Waste Water Generated	Treated water Recovered
1	Block-A	1	267	2BH K-45 @5	225	30375	20250	10125	16200	9112.5	25312.5	20250
				3BH K-222 @5	110	149850	99900	49950	79920	44955	124875	99900
2	Floating Population				134	6030	2680	3350	2144	3015	5159	4127.2
	Total	1	267		2629	186255	122830	63425	98264	57082.5	155347	124277
						187 KLD	123 KLD	64 KLD	99 KLD	57 KLD	156 KLD	124 KLD

- 12. Waste water generation and management:** Waste water generation from the proposed project is 156 m³/day. Treated water recovered is 124 m³/day. Reuses of treated water 124 m³/day in dry seasons. 50 KLD of water will be discharge to nearest drain only during rainy season. Waste water will be treated in a STP having capacity 200 KLD.
- 13.** Presently there is no municipal (PHED) water supply system located near our project site. Hence the daily fresh water requirement will be met through ground water during the operation phase. When public supply water system is available around the project site, then supplied water will be used to meet the daily fresh water requirement. NOC from Public Health Division regarding water supply and Sewerage Connection to the proposed project VIDE LETTER NO. 18298 On dated 21.12.2022.
- 14. Power requirement:** Total power requirement for the proposed project is 1500 KW /1 no of 200KVA DG sets. Source will be from TPCODL (TP CENTRAL ODISHA DISTRIBUTION LIMITED). There is provision of Power backup for the residential project will be through DG sets of total capacity 1 No. 200 KVA silent DG Set. Height of the DG Set Stack will be 32.3 m.

Power Requirement	1500 KW
--------------------------	----------------

Power backup	200 KVA
Renewable energy	75 KW

15. **Solar generation details:** The Solar Power Demand For Campus area Light , Main Gate Light will be 75 KW (5% of total demand)

16. **Rain Water Harvesting:**

Rain Intensity		120	MM/Hr	
Retention Time		15	Min	
Sl No	Location	Area	Run off Co-efficient	Run Off Per Hr
1	Roof Top	3,083	0.9	333
2	Road (Paver Block)	2,963	0.7	249
Sl. No.	Location	Area	Run off Co-efficient	Run off per Hr.
3	Others	873	0.3	31
4	GREEN BELT	1,875	0.3	68
	TOTAL	8794.59		613
	Run Off For 15 Min			153
	Volume			24.7
	No. of Recharge pit REQUIRED			9.22
	No. of Recharge pit Proposed			16

17. **Parking Requirement:** FAR Area is 26910.68 sqm. Parking required is 25% of total FAR Area i.e., 6727.66 sqm. Parking area provided=8075 sqm (more than 30 % of total FAR Area) Total ECS provided -328 nos. For 4 wheelers-273 nos. & 2 wheelers-270 nos.

FLOOR AREA	F.A.R AREA	Parking (As approved in BMC PLAN) SQM	PARKING PROVIDED AREA
BASEMENT FLOOR	197.42 SQM	3897.61 SQM	4042.00 SQM
STILT FLOOR	68.97 SQM	2899.83 SQM	4051.00 SQM
	TOTAL	6797.44 SQM	5.0 QM

18. **Green Belt Development:** Greer belt will be developed over an area of 1875.32 sqm which is 21.32% of the total plot area. Total no. of plants to be planted - 160 numbers, spacing between plants. – Approx. 2.3m & 2 tier plantation.

19. **Solid Waste Management:** Total solid waste generation will be 1.183 Ton/day. The solid waste generated from project will be mainly domestic in nature and the quantity of the waste will be 0.808 Ton/day. Solid wastes generated will be segregated into biodegradable 294 T/Day. The biodegradable organic wastes will be treated inside the premises by OWC (Organic Waste Converter), having capacity of 300 kg/day. Recyclable and non-recyclable wastes will be disposed through Govt. approved agency.

20. **Project cost:** The estimated project cost is 60 crores and cost for EMP is capital cost is 94 Lakhs Annually and recurring cost 5.55 Lakhs

Source	Capital Cost (In Lacs)	Recurring Cost (In lacs)
Landscaping	10	1
Rain Water Harvesting	11	0.3
Solid Waste Management	10	0.5
STP	50	2.5
Acoustic Enclosure & DG Set Stack	10	0.5
Environmental Monitoring	3	0.75
Total	94	5.55

21. **Environment Consultant:** The Environment consultant M/s Visiointek Consultancy Services Pvt. Ltd. Bhubaneswar along with the proponent made a presentation on the proposal before the Committee on 31.07.2023.

22. The SEAC in its meeting held on dated 31-07-2023 recommended the following:

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

- Details of road connectivity to the project site with layout.
- Possibility of segregation of grey water and black water and its usage for plantation and car washings thereby reduce the discharge amount of treated water to drain.
- Revised water balance with revised calculation of waste water and STP details. Quantity of sludge generation to be calculated.
- Traffic Study Report to be submitted duly vetted by institute of repute.
- Detailed drainage plan, internal drainage details, drainage permission with supporting documents applied for NOC for drainage from concerned authority.
- Copy of all statutory clearances applied/obtained.
- Detailed calculation of greenbelt with breakup and dimensions.
- Layout plan and width of road for movement of Fire Tender.
- Copy of fire recommendations.
- Detailed break-up of solar power to be generated, consumed, including capacity of PV cell capacity, connected devices and the percentage of solar energy added total power demand.
- Ensure that the differences between the reduced level of the bottom of rainwater harvesting pits, STP bottom and the reduced level of ground water during rainy season and summer season are adequate for effective recharge of collected rainwater, to avoid contamination of waste water with recharge rain water. Submit details of water table level, basement reduced level, and reduced level of STP bottom. Layout plan to be submitted.
- Parking in terms of space and ECS for 4 wheelers, 2 wheelers to be calculated separately for dwellers & visitors (floating population) indicating the norm as well and showing it in the layout map & be submitted.

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

- Environmental settings of the project site.
- Construction activity, if any started at the site.
- Road connectivity to the project site.
- Drainage network at the site.
- Discharge point for discharge of treated water and distance of the discharge point from the project site.
- Any other issues including local issues.

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

Minutes of 177th Meeting of SE/AA, Odisha held on 28.10.2024 & 29.10.2024

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of SEAC
1.	Details of road connectivity to the project site with layout.	Details submitted in compliance report.	-
2.	Possibility of segregation of grey water and black water and its usage for plantation and car washings thereby reduce the discharge amount of treated water to drain.	Details submitted in compliance report.	-
3.	Revised water balance with revised calculation of waste water and STF details. Quantity of sludge generation to be calculated.	Total Fresh Water requirement is 123 m ³ /day. The detailed water requirement is in compliance report.	50KLD Treated water will be discharged into drain in Monsoon season only. In Non monsoon period it is ZLD.
4.	Traffic Study Report to be submitted duly vetted by institute of repute.	Traffic report has been submitted duly vetted from OTR, Bhubaneswar (Formerly CET Bhubaneswar)	Based on the traffic study conducted at the three locations, it was found that the LOS is 'A' during peak hours for Entry Gate of Project Site; LOS is "B" during peak hours at Patia Station Square and LOS is "A" during peak hours at intersection of approach road to Project Site & Injana-Singada Road LOS during peak hours for horizon year 2027 for road near Entry Gate of Project Site is "A", for road at Patia Station Square is "B" and for intersection of approach road to Project Site & Injana-Singada Road is "A".
5.	Detailed drainage plan, internal drainage details, drainage permission	Small maps of drainage plan, internal drainage details alongwith copy of	-

Minutes of 177th Meeting of SEIAA, Odisha held on 28.10.2024 & 29.10.2024

	with supporting documents applied for NOC for drainage from concerned authority.	Permission/NOC from Superintending Engineer, Public Health Division, BBSR for water supply and sewerage connection has been submitted.	
5.	Copy of all statutory clearances applied/obtained.	FIRE NOC, BMC Approval and Permission for electricity, water supply and drainage has been submitted.	-
7.	Detailed calculation of greenbelt with breakup and dimensions.	The greenbelt area is 1875.32 sqm. (21.32% of the plot area) for plantation (160nos) Breakup and dimensions not provided as the whole area is kept for greenbelt as seen in layout.	-
8.	Layout plan and width of road for movement of Fire Tender.	Width of the road 6meters. Master layout plan for project area and parking layout plan shows the movement of Fire Tender.	-
9.	Copy of fire recommendations.	Copy of Fire recommendations is submitted.	-
10.	Detailed break-up of solar power to be generated, consumed, including capacity of PV cell capacity, connected devices and the percentage of solar energy added total power demand.	The Solar Power Demand For Campus area Light, Main Gate Light will be 50 KW (2% of total demand).	-
11.	Ensure that the differences between the reduced level of the bottom of rainwater harvesting pits, STP bottom and the reduced level of ground water during rainy season and summer season are adequate for effective recharge of collected rainwater, to avoid contamination of waste water with recharge rain water. Submit details of water table level, basement reduced level, and reduced level of STP bottom. Layout plan to be submitted.	Road Level Inside Project Roads – 103.57 Basement Floor Level- 103.67 Road Level in Front of our Project- 102.30 STP Top level – 103.57 STP Floor – 99.32 Bottom Level Rain Water Harvest Pit- 98.57 Ground Water Level in Dry Season- 89.07 Ground Water Level in Monsoon Season - 95.00	-
12.	Parking in terms of space and ECS for 4 wheelers, 2 wheelers to be calculated separately for dwellers & visitors (floating population) indicating the norm as well and showing it in the layout map & be submitted.	Total ECS is 328/8075 sqm 4 wheelers- 273, 2 wheelers – 270. Details is in compliance report.	-
24. The proposed site was visited by the Sub-Committee of SEAC on 21.08.2023. Following are the observations of the Sub-Committee of SEAC: a) PP and consultant team were present and explained the layout.			

- b) There are no construction activities undertaken at project site except a part of compound wall foundation to protect the approach road to site.
- c) The site is connected with a public concrete road.
- d) PP stated that they have applied to BMC for provision of road side drain which is to be constructed in future otherwise they will construct drain by the side of the road till connecting the natural nullah which is at about 700m distance from site.
- e) PP has to submit either the NOC from concerned road authority for construction of road side drain by PP connecting the natural nullah or the document from appropriate authority in support of their planning for construction of such road side drain as well as NOC for allowing excess rain water/ treated water from this project site to this road side drain.
- f) The PP has to submit the layout showing the drainage network starting from building site to natural nullah. The drain design needs to be prepared and approved by appropriate authority considering the data of RLs of bottom of drain at strategic locations and invert level of natural nullah, the run off calculations during highest rain fall, so that the area is not flooded with rain water during heavy rainfall. The maximum ground water level vs proposed ground level, the parking area, RWH etc (after construction) needs to be considered taking into account the maximum rainfall of the area for adequate structural stability.
- g) PP need to submit the documents in support of building approval application, Fire NOC / recommendations, firefighting provisions and fire corridor.

Considering the information furnished and the presentation made by the consultant, **M/s Vislontek Consultancy Services Pvt. Ltd. Bhubaneswar** along with the project proponent,

2. Whether SEAC recommended the proposal –Yes, the proposal was placed in the SEAC meeting held on 30.01.2024 and the SEAC recommended for grant of Environmental Clearance valid for 10 years with stipulated conditions as per **Annexure – B** in addition to the following specific conditions. However, SEIAA, Odisha may consider to issue EC after the project submit an undertaking in from of legal affidavit that they make necessary arrangement to adopt zero Liquid discharge and / or construct drain for discharge of treated water after acquiring land (Govt. or Private land) obtaining permission and possession as the case may be before going for construction of the project as there is no existing drain nearby as observed during site visit and also same has been informed by the concerned authority to the Project proponent.
- i) The Proponent before implementation of the project shall convert the land to Gharabari and shall take the ownership of the land if not already taken.
 - ii) The Proponent shall obtain permission/NOC from Executive Engg. (PHD) and / or from the appropriate authority for disposal of excess STP treated water to the nearest drain without which the Proponent will not start construction work. Also, in case of the connecting drain passing through others land (Govt. or Private land), the Proponent shall obtain the permission and possession as the case may be.
 - iii) The proponent shall use solar energy at least to the tune of 5% of total power requirement as proposed.
 - iv) The proponent shall obtain permission from concerned Fire Safety Authority.
 - v) Trees located within the project area shall be transplanted to alongside the boundary green development area.
 - vi) The proponent shall implement the Pollution Control Measures and safeguards as proposed in the Environment Management Plan (EMP) of project report.
 - vii) The project proponent shall maximise utilisation of treated water in flushing, plantations and ground washings etc. as per need to reduce water discharge to drain. This shall be verified in future compliance report.
 - viii) All compliances submitted/ committed by PP(s) shall be strictly adhered to them in addition to all the conditions/ specific conditions of EC.

Minutes of 177th Meeting of SEIAA, Odisha held on 28.10.2024 & 29.10.2024

- ix) The proponent shall obtain permission from Water Resources department, Odisha for use of ground water.
- x) The PP shall ensure permissions for discharge of treated / excess rain water in drains constructed by them / or BMC before starting the construction work.
- xi) The project proponent has to obtain necessary permission from the CGWA / CGWB / water resource department along with other conditions related to portability of the ground water for use of ground water during the operational phase of the project till WATCO supply of water is made available at the project site
3. The proposal was placed in 163rd SEIAA meeting held on 18.04.2024 & 19.04.2024. The authority observed that the site is in low lying and waterlogged area and there is no drainage system in the area. Further, there is no road network plan in the locality except the canal bund road. After detailed deliberation in the matter, the authority decided to seek clarification / documents as follows:
- i) The PP is required to submit the drainage plan of the project as well as the adjoining site along with permission from BMC for discharge of treated waste water outside the project area.
- ii) The road network plan providing access to the project site being proposed by BMC/BDA needs to be furnished.
- iii) An undertaking as proposed by SEAC to be submitted by the PP.
- Accordingly, ADS was raised by SEIAA dated 26.04.2024 to the PP for clarification.
4. Now, the PP has submitted their reply on 30.08.2024 with mentioned that EIDP committee meeting dated 24.06.2024 of BMC wherein this project was considered at item no. 20 but there is no detailed about this project discussed in this meeting. The PP has mentioned that kindly grant EC I will not to start construction work before approval of drainage plant by BMC submitted an affidavit.

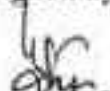
Decision of Authority: Approved

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

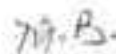


Member Secretary, SEIAA

Signed by



Member, SEIAA



Chairman, SEIAA

Minutes of 177th Meeting of SEIAA, Odisha held on 28.10.2024 & 29.10.2024

PARIVESH 1.0, AGENDA No.177.27	
Proposal No.	SIA/OR/INFRA2/453171/2023
Date of application	04.01.2024
File no.	453171/130-INFRA2/01-2024
Project Type	New EC proposal
Category	B2
Project/Activity including Schedule No.	8(a) Building & Construction
Name of the Project	Proposal for EC for Proposed (B1+B2+G+15) Storied building for IT Park Cum Food Court located at IDCO Plot No. F/104, F/103/1, F/103/2, F/103/3, Corresponding to Revenue Plot No. 7(P) & 44 (P), Chandaka Industrial Estate, Mouza-Chandrasekharapur, Bhubaneswar, Dist-Khurda, Odisha of M/s Royale Hotels Pvt. Ltd.
Name of the company/Organization	M/s. Royale Hotels Pvt. Ltd Mr. Dalbir Singh Arora, Director
Location of Project	Chandaka Industrial Estate, Mouza-Chandrasekharapur, Bhubaneswar, Dist-Khurda, Odisha
ToR Date	N/A
Name of the Consultant	M/s. Centre for Envotech and Management Consultancy Private Limited
Whether submitted scrutiny fee (Yes/No)	Yes, Rs. 3.0 Lakh vide e Challan Reference Id, No. 35D4BC42D2 dated 02.12.2023
Whether submitted payment of receipt towards tree plantation (Yes/No)	Not required

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 proposal is for Environmental Clearance of proposed (B1+B2+G+15) Storied building for IT Park Cum Food Court of M/s Royale Hotels Pvt. Ltd. at Chandaka Industrial Estate, Mouza- Chandrasekharapur, Bhubaneswar, Dist- Khurda, Odisha.
- Category:** The project falls under category "B" or activity 8 (a) – Building and construction projects, as per the EIA Notification 2006 and amendments thereafter.
- Location and Connectivity:** The proposed site is located at IDCO Plot No. – F/104, F/103/1, F/103/2, F/103/3, Corresponding to Revenue Plot No. 7(P) & 44 (P) Chandaka Industrial Estate, Mouza – Chandrasekharapur, Bhubaneswar, Dist- Khurda, Odisha. The Geographical co-ordinate of the project site is: Latitude – 20° 20' 33.31" N & Longitude – 85° 48' 32.74" E and Khasam of Land: Gharabari. The site is situated near Infocity which is adjoining to Venketeswar English Medium School, Chandrasekharapur, Bhubaneswar. The nearest railway station is Bhubaneswar Railway station at a distance of approx. 9.2 Km in South-East direction. The nearest airport is Biju Patnaik Airport at a distance of approx. 9.6 Km in South direction from project site. The site is easily accessible from Nandan Kanan to Infocity Road.
- The site is coming under Bhubaneswar Development Authority, Bhubaneswar.
- The total plot area is 8092.0 sq.mt./2.0 Ac./0.809 Ha, with total built-up area 40830.71 sq.mt.
- The Building Area Details of the Project in tabulated form:

Particular	Proposed	Permissible
Project Name	Proposed (B1+B2+G+15) Storied building for IT Park Cum Food Court	
Total Plot Area	8092.00 sqm	--
Road Affected Area	364.74 sqm	--
Net Plot Area	7727.26 sqm	--
Ground Coverage	3013.63 sqm (39%)	--
FAR Area	28679.75 sqm	--
FAR	3.71	--
Total Built up Area	40830.71 sqm	--
Maximum Height	78.3 m	--
Road Area	8,065.10 sqm	--
Basement Parking Area	11656.72 sqm	11471.9 sqm
Total Parking Area	11656.72 sqm	
Green Belt Area	1661.36 sqm (21.5 %)	1545.45 sqm (20 %)
Maximum No. of Floor	B1+B2+G+15	--
Power Requirement	2108.11 KW	--
Solar	116.01 KW	--
No. of DG sets	2x1010 KVA & 1x500 KVA	--
Fresh Water requirement	142.3 KLD	--
Sewage Treatment Plant	STP Capacity - 200 KLD	--
Solid Waste Generation	679.4 kg/day	--
Estimated Population- Residential, Commercial, Floating/visitors	Commercial- 2321 Nos. Visitor- 2992 Nos.	--

8. **Water Requirement:** Fresh make up of 142.3 m³/day will be required for the project which will be sourced from IDCO Supply Water.
9. **Wastewater generated:** Total waste water generated from the commercial building is 196.3 KLD which is treated in STP of Capacity 200 KLD. After treatment, treated water will be used in Dust Suppression (6.2KLD in summer only), Landscaping (6.6KLD in summer only), HVAC (75.0KLD) and drain (16.2KLD in Non monsoon and 29.0KLD in Monsoon).
10. **Rain Water Harvesting:** Rain Water harvested through 16 nos. of Rain Water recharging pits.
11. **Power requirement:** - Total Power requirement of the proposed building is 2108.11 KW, Source is TPCODL, 2 x 1010 KVA & 1x500 KVA DG Sets is provided. For the proposed project height of the stack shall be 85 m. Total 116.01 KW Solar Power Generation which is 5.5% of total power required in project consisting of 30 Nos. of Solar Street Light poles of 2.16 KW capacities is directly connected with Solar Panel and 113.85 KW Solar energy generated from 55 nos. of PV Panels is distributed to Grid with proper agreement.
12. **Rainwater harvesting:** - Total 191.2 cum Rain Water is harvested through 16 nos. of recharge pits.
13. **Parking requirement:** - Total parking area provided is 11656.72 Sq.mt. and total 364 nos. of ECS and location of parking area is Basement.
14. **Green Belt Development:** - Greenbelt is developed over an area of 1661.36 sqm which is 21.5% of the total plot area. Total 109 nos. of plants to be planted and 3 tier plantations.
15. **Solid Waste Generation:** -

S. No.	Category	Counts (heads)	Waste generated (kg/day)
1.	Commercial	2321 @ 0.15 kg/day	348.2
2.	Floating	2992 @ 0.10 kg/day	299.2
3.	STP sludge		32.0

TOTAL SOLID WASTE GENERATED

679.4 kg/day

16. **Project Cost:** The estimated project cost is 85.0 Crores and cost for EMP is 1.85 Crores.

17. **Environment Consultant:** The Environment consultant **M/s Centre for Envotech & Management Consultancy Pvt. Ltd, Bhubaneswar** along with the proponent made a presentation on the proposal before the Committee on 03.02.2024.

18. The SEAC in its meeting dated **03-02-2024** recommended the following:

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

- i) IDCO allotment letter for the proposed land allotted as previously for hotel and now change to IT park cum Food Court.
- ii) Drainage plan & water permission approved by IDCO.
- iii) The effluent generated from the HVAC should be treated prior to discharge or reuse. Details of the treatment system.
- iv) Adequate measures should be taken to control noise pollution & vibrational activities during construction phase.
- v) PP should ensure provision for additional 5% parking space along with the existing allotted 40% parking space as it is a commercial unit. Revised Layout for parking to be submitted.
- vi) Detailed traffic study report duly vetted by an institute of repute.
- vii) Dust control during construction period and also during transportation to outside by roads should be managed.

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

- i) Environmental settings of the project site.
- ii) Verify if the site is a flood prone area.
- iii) Construction activity if any started at the site and extent of construction activity.
- iv) Road connectivity to the project site.
- v) Drainage network at the site.
- vi) Discharge point for discharge of treated water and distance of the discharge point from the project site.
- vii) Verification for additional parking space provision.
- viii) Any other issues including local issues.

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

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of SEAC
1.	IDCO allotment letter for the proposed land allotted as previously for hotel and now change to IT park cum Food Court.	Allotment letter from IDCO for the change of activity from Four Star Hotel to IT Park vide letter to. HO/MSME/A-5451/01-06/23 25832, dated 17.08.2023. IDCO allotment letter is attached in Annexure-1 .	Submitted.
2.	Drainage plan & water permission approved by IDCO	Water permission has been obtained from IDCO vide letter to. IDCO/W/S&EC-1/D2-113/20-21 218, dated 13.02.2024. Water permission letter is attached in Annexure-2 . All infrastructure facilities like Road, Drain, Discharge of Water & Street Lightings has been provided by IDCO. The letter from IDCO regarding providing infrastructure facilities is attached in Annexure-3 .	Submitted.

Minutes of 177th Meeting of SEIAA, Odisha held on 28.10.2024 & 29.10.2024

3.	The effluent generated from the HVAC should be treated prior to discharge or reuse. Details of the treatment system.	The effluent generated from HVAC system will be treated in Sewage Treatment Plant (STP) & treated water will be reused in system.	PP have not submitted the details of the treatment system for effluent generated from HVAC system.
4.	Adequate measures should be taken to control noise pollution & vibrational activities during construction phase.	Noise control measures during construction phase is attached in Annexure-4 .	Submitted.
5.	PP should ensure provision for additional 5% parking space along with the existing allotted 40% parking space as it is a commercial unit. Revised Layout for parking to be submitted.	Total Parking area provided for the proposed building is 11,656.72 sqm which is 40% of the FAR area and additional 5% parking will be provided to visitor. Details parking plan is attached in Annexure-5 .	Submitted.
6.	Detailed traffic study report duly vetted by an institute of repute.	Traffic Study Report has been vetted by Indian Institute of Technology (IIT) Bhubaneswar & the vetted traffic study report is attached in Annexure-6 .	Expected V/C in the year 2033-2034 (with the project) is 0.526, i.e., LOS is C.
7.	Dust control during construction period and also during transportation to outside by roads should be managed.	Dust control measures during construction phase is attached in Annexure-7 .	Submitted.

20. The proposed site was visited by the sub-committee of SEAC on **02.03.2024**. Following are the observations of the sub-committee:

- The land belongs to IDCO. There is road side drain.
- The PP needs to submit the drain plan showing the fallout.
- Permission to discharge excess treated water along with plan to treat organic waste.
- Green belt (excluding lane scape) to be minimum 20% and PP to plan for possible parking of plus 40% inside the premises.
- All other points asked during presentation to be complied.

21. The SEAC in its meeting held on dated **03-07-2024** decided to take decision on the proposal after receipt of the following from the proponent: as raised during site visit: The proponent has furnished the compliance and the SEAC verified the same as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of SEAC
1.	The PP needs to submit the drain plan showing the fallout.	STP treated water & Storm Water will be discharge to nearest municipal drain i.e. Master Drain No. 1. Drain layout showing the fallout to nearest municipal drain is attached in Annexure-1 .	Layout is attached showing the same.
2.	Permission to discharge excess treated water along with plan to treat organic waste.	All infrastructure facilities like Road, Drain, Discharge of Water & Street Lightings has been provided by IDCO. The letter from IDCO regarding providing infrastructure facilities is attached in Annexure-2 .	Annexure 2 & 3 is not mentioned. However, a letter dt'd 13.02.2024 from Divisional Head, MSME

Minutes of 177th Meeting of SEIAA, Odisha held on 28.10.2024 & 29.10.2024

		Organic waste will be treated in Organic Waste Converter. Details design of Organic Waste Converter is attached in Annexure-3 .	regarding providing infrastructure facilities and flow chart is attached showing Organic Waste Converter.
3.	PP have not submitted the details of the treatment system for effluent generated from HVAC system. Details of the treatment system.	There is no treatment system considered as soft water shall be used in cooling towers and environment friendly CFC/HCFC free refrigerant shall be used in chillers. Details attached in Annexure-4 .	-
4.	PP to submit revise layout confirming minimum 20% green belt (excluding land scape).	Total greenbelt area provided for the proposed building is 1661.36 sqm, which is 21.5% of the total plot area (7727.26 sqm). We propose to develop three tier hierarchal greenbelt along the periphery of the building. Greenbelt drawing is attached in Annexure-5 .	A greenbelt layout is attached but exactly how much increased, calculation not shown.

22. Any deficiencies/omission have been noticed in the above documents- **Not submitted details building plan from BMC/BDA. PP has not submitted approved drainage plan for this project.**

2. **Whether SEAC recommended the proposal** –Yes, the proposal was placed in the SEAC meeting held on 20.09.2024 and the Considering the information furnished and the presentation made by the consultant, M/s Centre for Envotech & Management Consultancy Pvt. Ltd, Bhubaneswar along with the project proponent, the SEAC recommended for grant of Environmental Clearance valid for 10 years with stipulated conditions as per **Annexure – C** in addition to the following specific conditions.
- The Proponent before implementation of the project shall convert the land to Gharabari and shall take the ownership of the land if not already taken.
 - The Proponent shall obtain permission/NOC from Executive Engg. (PHD) and / or from the appropriate authority for disposal of excess STP treated water to the nearest drain without which the Proponent will not start construction work. Also, in case of the connecting drain passing through others land (Govt. or Private land), the Proponent shall obtain the permission and possession as the case may be.
 - The proponent shall use solar energy at least to the tune of 5% of total power requirement as proposed.
 - The proponent shall obtain permission from concerned Fire Safety Authority.
 - Trees located within the project area shall be transplanted to alongside the boundary green development area.
 - The proponent shall implement the Pollution Control Measures and safeguards as proposed in the Environment Management Plan (EMP) of project report.
 - The project proponent shall maximise utilisation of treated water in flushing, plantations and ground washings etc. as per need to reduce water discharge to drain. This shall be verified in future compliance report.
 - The PP will not commence construction unless the drain lay out is finalized and permission given for the same by the authority to discharge excess treated water & storm water.
 - Before starting the construction project physical properties as well as engineering properties of the soil along with its bearing capacity should be undertaken and the report should be submitted.

- x) The PP shall obtain the required permission from concerned authority for discharge of storm water along with excess treated sewage water along with completion of all necessary formalities for obtaining unhindered ground access to connect the drainage point of the project site to the nearest public drain.
- xi) The HVAC system uses soft water for cooling and the same shall be recycled into the system through cooling tower after proper treatment.
- xii) All compliances submitted/ committed by PP(s) shall be strictly adhered to them in addition to all the conditions/ specific conditions of EC.

Decision of Authority: Approved

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

Signed by



Member Secretary, SEIAA



Member, SEIAA



Chairman, SEIAA