

Minutes of 208th Meeting of SEIAA, Odisha held on 13.06.2025

PARIVESH 1.0, AGENDA No. 208.01	
Proposal No.	SIA/OR/MIS/267251/2022
Date of application	28.06.2022
State file no.	149248/24-MIS/03-2020
Project Type	Amendment of EC (Increasing build-up area)
Category	B
Project/Activity including Schedule No.	8(a) Building & Construction
Name of the Project	Proposal for Modification of Environmental Clearance of M/s. Utkal Builders Ltd. for Development of Private Housing Project 2.191 Acres of land at Plot No.: 336/2120, 336/3046, 336/3035, 336/2764, 336, 336/3221, 334/2272 Khata No- 703/362, 703/1499, 703/1496, 703/1222, 703/2256, 703/1720, 703/559, over a built-up area – 47957.9 SQ.M Near NH-16 Road, at-Patrapada, Bhubaneswar, Dist – Khordha of Sri Rakesh Bhura
Name of the company/Organization	M/s. Utkal Builders Ltd. Sri Rakesh Bhura
Location of Project	At-Patrapada, Bhubaneswar, Dist – Khordha
Whether submitted scrutiny fee (Yes/No)	No, not submitted
ToR issue date	NA
Name of Consultant	M/s. Centre for Envotech & Management Consultancy Pvt. Ltd., Bhubaneswar

Proposal in brief:

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

1. The proposal is for Modification of Environmental Clearance of M/s. Utkal Builders Ltd. for Development of Private Housing Project 2.191 Acres of land at Plot No.: 336/2120, 336/3046, 336/3035, 336/2764, 336, 336/3221, 334/2272 Khata No- 703/362, 703/1499, 703/1496, 703/1222, 703/2256, 703/1720, 703/559, over a built-up area – 47957.9 SQ.M Near NH-16 Road, at-Patrapada, Bhubaneswar, Dist – Khordha of Sri Rakesh Bhura.
2. Environmental Clearance from SEIAA vide letter no. 1739/SEIAA, dated 16.07.2021 of total built up area is 33,621.35 sqm and total nos. of floor is 17 nos. in Residential Block & 4 Nos. in Commercial Block, but due to height restriction from Airport Authority of India we have reduce the 5 nos. of floor in Residential Block & increased the 8 Nos. of Floor in Commercial Block (Convenient Store) & revised the built-up area i.e. 47,957.94 sqm.
3. **Location and Connectivity** - The proposed site is located at Patrapada, Bhubaneswar, Odisha. The Geographical co-ordinate of the project site is: Latitude -20° 14' 44.81" N & Longitude - 85° 46' 32.78" E. The project site is well connected with National Highway-16 (Jharpokharia-Chennai Road). The nearest railway station is Bhubaneswar Railway station at a distance of approx 10.6 Km in South West direction. The nearest airport is Biju Pattnaik Airport Bhubaneswar at a distance of approx. 13.4 Km in South-West direction from project site. The site is located adjacent to the local landmarks, Haridaspur Mosque, Jagannath Temple, Pahala Etc. There is no structure or encroachments on the site. The site is easily accessible from NH-05 Road.
4. **Meteorology:** The maximum temperature is about 36.0° C and the minimum temperature is 16.0° C felt in the area. The average annual rainfall in the area is 1326.16 mm.
5. **Building Details of The Project:**

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Total Plot Area	:	8,866.66 sqm
Kisam of Land	:	Gharabari
Residential Builtup Area	:	33,350.98 sqm
Commercial Builtup Area	:	14,606.96 sqm
Total Builtup Area:		47,957.94 sqm
Total FAR Area	:	36,535.71 sqm
Ground Coverage	:	3,015.00 sqm
Road & Paved Area:		2,483.00 sqm
Green Belt Area	:	1,793.52 sqm
Total Parking Area	:	11,922.22 sqm
Height of the Building	:	42.00 m

6. **Water requirement:** Fresh make up of **104.0 m³/day** will be required for the project which will be sourced from Ground water. Waste water of 132.1 KLD will be treated in a STP of 150 KLD capacity, which includes primary, secondary and tertiary treatment. After treatment the treated water will be discharge to the Near Drain.
7. **Power requirement:** The daily power requirement for the proposed building is preliminarily assessed as 1376 KW. In order to meet emergency power requirements during the grid failure, there is provision of 2 nos. of DG set having 320 KVA capacities for power back up in the proposed Building Project. For energy conservation, there will be 33 nos. of Solar Lighting poles (@72 Watt) has been proposed for Street & common area solar lighting, so
 Energy conservation by using Solar Street Lighting = $33 \times 72 = 2376 \text{ watt} = 2.4 \text{ KW}$
 Energy conservation by using Solar lighting for common area = 151.8 KW
 Total Energy Conservation = $(151.8 + 2.4) \text{ KW} = 154.2 \text{ KW}$
 Total Energy saving = $154.2 / 1376 = 0.1120 \times 100 = 11.2 \%$
8. **Rain Water Harvesting:** Rain Water will be harvested through 6 nos. of recharging pits.
9. **Firefighting Installations:** Firefighting system will be installed as per recommendation of the Firefighting Officer, Odisha and as per the guideline of NBC (part-4).
10. **Green Belt Development:** Green belt will be developed over an area of 1,793.52 sqm which is 20.23 % of the plot area; by using the local species like Neem, Karang, Golden Champa, Bakul, Bela, Bottle Palm, Cheekoo, Guava etc.
11. **Solid Waste Management:** From the residential complex solid waste in form of food waste from kitchen and miscellaneous waste will be generated @ 0.45 kg/person/day, which will be about 476.1 kg/day. The generated solid waste from the residential complex will be segregated as biodegradable and non-biodegradable. This will be collected in separate coloured beans. Proper waste management practices will be adopted during the collection, storing and disposal of the generated solid waste. Waste generated from Commercial people will be @ 0.15 kg/capita/day, which will be about 45.0 kg/day
 Solid waste from sweeping and Dry Garbage containing non-biodegradable wastes like polythene bags, metal, ceramic Waste, glass etc. shall be stored in separate garbage bin and send to approved recyclers. Around 66.0 kg/day of STP sludge will be generated.
 Solid Waste from Residential Population - 476.1 kg/day
 Solid Waste from Commercial Population - 45.0 kg/day
 STP Sludge - 66.0 kg/day
Total Solid Waste Generation - 587.1 kg/day
12. The Estimated Project cost is ` 40 Crores and Environment Management Cost is ` 220 Lakhs
13. The project proponent along with the consultant **M/s Centre for Envotech & Management Consultancy Pvt. Ltd., Bhubaneswar** made a detailed presentation on the proposal on 03.08.2022.
14. The SEAC in its meeting held on 03.08.2022 decided to take decision on the proposal after receipt of the following information / documents from the proponent followed by site visit of Sub-Committee of SEAC.

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- i) Structural Stability certificate from appropriate authority as per BDA guidelines be submitted and also for revise plan also with corresponding studies made for both approved original plan and revised approved plan.
 - ii) Certificate from chartered civil engineer how much construction has been made for both approved original plan and revised approved plan.
 - iii) Comparative statement in terms of physical features in original plan and present plan.
 - iv) Compliance Report to Previous EC conditions duly certified by Regional Officer of MoEF & CC.
 - v) Permission from Water Resources deptt. For usage of ground water in commercial complex.
 - vi) Approval from Fire Safety Dept. for 6m fire tender corridor for high rise building of 40m height.
 - vii) As per BDA norms, is ground coverage for the project is 35% of total area?
 - viii) Justification as to why this will not be treated as a violation case.
 - ix) Impact and effect of change in ground coverage with reference to the original approved plan and the revised plan.
15. The project proponent was requested vide letter no. 765(10)/ SEAC – (Misc) - 28, dated 06.09.2022 to submit the information / documents as sought by the SEAC at para 14 above.
16. The proposed site was visited by the sub-committee of SEAC on 14.11.2022. Following are the observations of the sub-committee and proponent needs to submit relevant documents as below:
- i) PP and Consultant were present. It was observed that part construction has been initiated towards the back side of the plot and the permission is for commercial and residents use. The PP explained that the construction was based on earlier EC, but now the commercial part has been reduced to cater only the residents and accordingly the plan was modified. No construction was initiated at the front side where modification was sought. However, an undertaking that the Commercial area identified shall be used only for the people who would be residing in the complex may be submitted or the same can be put as a condition of EC.
 - ii) Copy of drainage plan approved by BMC with any layout/drawing vetted and NOC needs to be taken before construction including from NHAI if connecting to their drain be a condition of EC.
 - iii) Justification as to why the case cannot be considered as a violation case with reference to BDA norm.
 - iv) All documents or information as asked by Committee during presentation
 - v) The Sub-committee recommend for EC subject to above conditions and submission of documents /compliances as asked by the committee during presentation.
17. The SEAC in its meeting held on dated 13-01-2023 decided to take decision on the proposal after receipt of information / documents as requested vide letter no. 765(10)/ SEAC – (Misc) - 28, dated 06.09.2022 and as sought by the Sub-Committee of SEAC at para 16 above.
18. 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.	Structural Stability certificate from appropriate authority as per BDA guidelines be submitted and also for revise plan also with corresponding studies made for both approved original plan and revised approved plan.	Structural Stability of the building is vetted by Adroit Consultants, Kolkata. Structural Stability Certificate is attached in Annexure-1 .
2.	Certificate from chartered civil engineer how much construction has been made for both approved original plan and revised approved plan.	We have reduced the commercial part of the building. The construction work is started only residential block which EC was granted earlier. So we have start the construction only residential block.

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3.	Comparative statement in terms of physical features in original plan and present plan.	A comparative statement showing physical features in original plan and present plan is attached in Annexure-2 .
4.	Compliance Report to Previous EC conditions duly certified by Regional Officer of MoEF & CC.	We have already applied the letter to IRO MoEF&CC for issue certified EC Compliance report of existing EC. We will submit the certified compliance report before issue of Environment Clearance.
5.	Permission from Water Resources deptt. For usage of ground water in commercial complex.	The ground water clearance has been Obtained from CGWA vide noc no. CGWA/NOC/INF/ORIG/2021/12997, dated 21.09.2021. CGWA NoC is attached in Annexure-3 .
6.	Approval from Fire Safety Dept. for 6m fire tender corridor for high rise building of 40m height.	Fire Safety recommendation has been obtained from Odisha Fire Services vide letter no. RECOMM1204130012021000174, dated 15.07.2021. Fire NoC is attached in Annexure-4 .
7.	As per BDA norms, is ground coverage for the project is 35% of total area?	As per BDA Norms, the ground coverage of the building is 40% for more than 40 m height of the building. BDA notification is attached in Annexure-5 .
8.	Justification as to why this will not be treated as a violation case.	The construction work is started only residential block which EC was granted earlier. We have reduced the commercial part of the building for which EC application is applied. So we have constructed only residential block which is not changed.
9.	Impact and effect of change in ground coverage with reference to the original approved plan and the revised plan.	- As the ground coverage is increasing according to the Population, We are also increasing the services like the capacity of STP, DG, UGT etc. - Also increasing the parking according to the population As per BDA norms.
1.	PP and Consultant were present. It was observed that part construction has been initiated towards the back side of the plot and the permission is for commercial and residents use. The PP explained that the construction was based on earlier EC, but now the commercial part has been reduced to cater only the residents and accordingly the plan was modified. No construction was initiated at the front	An undertaking is attached in Annexure-6 .

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	side where modification was sought. However, an undertaking that the Commercial area identified shall be used only for the people who would be residing in the complex may be submitted or the same can be put as a condition of EC.	
2.	Copy of drainage plan approved by BMC with any layout/drawing vetted and NOC needs to be taken before construction including from NHAI if connecting to their drain be a condition of EC.	The drainage plan has been approved by Bhubaneswar Development Authority vide letter no. 4584, dated 12.02.2020. Drainage letter is attached in Annexure- 7 and drainage layout is attached in Annexure-8 .
3.	Justification as to why the case cannot be considered as a violation case with reference to BDA norm.	The construction work is started only residential block which EC was granted earlier. We have reduced the commercial part of the building for which EC application is applied. So we have constructed only residential block which is not changed.
4.	All documents or information as asked by Committee during presentation	Attached

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

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of SEAC
	Environmental Clearance dated 16.07.2021 for total built up area is 33,621.35 sqm and total nos. of floor 17 nos. in Residential Block & 4 Nos. in Commercial Block, Now, 5 nos. of floor reduced in Residential Block (so, 12 floors) & increased 8 Nos. of Floor in Commercial Block to 12 floors. Revised the built up area i.e. 47,957.94 sqm. This appears to be a complete violation case as the PP has progressed construction without obtaining the AA clearance (if the cause stated is true)	As there is no change in the Ground Coverage from previous EC and current EC, the construction progress is considered as no deviation. The change in FAR and reduction of commercial units, increase in residential apartments as per modified plan to be implemented once final EC is granted. As such there has been no deviation and structures initiated are also certified by Structural Engineer with supporting documents. Airport Authority Clearance has been obtained. AA clearance is attached in Annexure-1 .	AA clearance is submitted.
2.	All the required statutory clearances obtained were on 2020/2021. Since the building is undergoing MAJOR CHANGES, they need to obtain fresh clearances.	All the fresh clearance has been obtained.	-----

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3.	There are mismatches in the comparative table presented and in the ADS. PP needs to clarify which is correct.	A comparative statement showing physical features in original plan and present plan is attached in Annexure-2	Comparative statement submitted.
4.	The residential floors are reduced but the residential population increased by 40%	As there is no change in the Ground Coverage from previous EC and current EC, the construction progress is considered as no deviation. The change in FAR and reduction of commercial units, increase in residential apartments as per modified plan to be implemented once final EC is granted.	-----
5.	The STP capacity is revised from 140 to 150 with 40% increase in residents (830 to 1176) is faulty and to be reworked and submitted.	Total Fresh water requirement of the project is 104 KLD, Flushing water requirement is 51.5 KLD. Total waste water generated from the project is 132.1 KLD. So, the Sewage Treatment Plant (STP) capacity is 150.0 KLD which is higher than the waste water generated.	-----
6.	The structural certificate has no date hence cannot be considered. They need to submit a fresh certificate from a government approved structural engineer or BDA mentioning the floor changes.	Structural Stability of the building is vetted by Adroit Consultants, Kolkata on 08.02.2023. Structural Stability Certificate is attached in Annexure-3 .	Structural Stability Certificate submitted.
7.	Permission from highway authority or appropriate authority before construction to discharge the excess treated water is not complied and violated . This needs to be submitted with present changes.	Drainage permission has been obtained from BMC. Permission letter is attached in Annexure-4 . Permission has been obtained from Highway Authority for construction of drain. NHAI letter is attached in Annexure-5 .	Drainage permission has been obtained from BMC. Permission letter is for only storm water and not for discharge the excess treated water.
8.	Extent of construction by Chartered Civil Engineer is not submitted. Let the PP submit the certificate with regard to the extent of construction from an authorized Architect or Structural Engineer of BDA.	Chartered Civil Engineer certificate is attached in Annexure-6 .	----
9.	As there is a drastic increase in commercial units, the PP needs to submit an Affidavit that it will not be used for outside public (if such statement issued is true).	An affidavit is attached in Annexure-7 .	Affidavit submitted.

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1. Any deficiencies/omission have been noticed in the above documents-**Not submitted certified EC compliance and BDA approval letter for existing built-up area and proposed/modified built-up area.**
2. **Deliberation in SEAC Meeting-** The proposal was placed in its meeting held on 19.10.2024 and 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 – A** in addition to the following specific conditions.
 - i) The PP shall ensure to combat water logging and temporary flooding in the project premises.
 - ii) The Proponent before implementation of the project shall convert the land to Gharabari and shall take the ownership of the land if not already taken.
 - iii) The Proponent shall obtain permission/NOC from Executive Engg. (PHD) and / or from the appropriate authority for disposal of excess STP treated water to the nearest drain without which the Proponent will not start construction work. Also, in case of the connecting drain passing through others land (Govt. or Private land), the Proponent shall obtain the permission and possession as the case may be.
 - iv) The proponent shall use solar energy at least to the tune of 5% of total power requirement as proposed.
 - v) The proponent shall obtain permission from concerned Fire Safety Authority.
 - vi) The commercial block to be used only for the residents of that apartment as mentioned by PP.
 - vii) Trees located within the project area shall be transplanted to alongside the boundary green development area.
 - viii) The proponent shall implement the Pollution Control Measures and safeguards as proposed in the Environment Management Plan (EMP) of project report.
 - ix) 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.
 - x) 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.
 - xi) 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.
 - xii) All compliances submitted/ committed by PP(s) shall be strictly adhered to them in addition to all the conditions/ specific conditions of EC.
3. The proposal was placed in 183rd SEIAA, Odisha meeting held on 23.12.2024. After detailed deliberation, the authority decided to seek information / clarification from PP on the following:
 - i) Certified Compliance Report (CCR) from IRO on previous EC conditions.
 - ii) In-principle approval / conditional approval of BDA for total built up area of 47957.94 sqmtr.
 - iii) Accordingly, the ADS letter was issued vide letter no. 6245/SEIAA dated 20.01.2025.
4. The PP has submitted the in-principle approval / conditional approval of BDA for total built up area of 47957.94 sqmtr. Also submitted the Certified Compliance Report (CCR) from IRO it is mentioned that seven(07) conditions are non-complied and 15 conditions area partially complied the details are follows:

The following Partially compliance to the environmental clearance conditions were observed:

1. PP submitted that during the last six months, the company has taken steps to vaccinate workers, Covid testing to workers, donation to temple, donation to school, etc. Details of expenditure has not been furnished. (Condition no. 7)
2. PP submitted that copy of the Environment Clearance letter has been sent to concern Panchayat Office, Municipal Corporation & Local Body i.e. BMC. EC letter yet to be uploaded in company website. (Condition no. 15)
3. Half yearly Environmental Clearance Compliance Report due on June 24 submitted to the Regional Office, MoEF&CC. Six monthly compliance yet to be uploaded on company website. (Condition no. 16)
4. Service Plan showing STP, Internal Drain, Storm Water drain, sewer water line furnished along with the submitted six monthly compliance NOC accorded by BMC Executive Engineer Drainage Division, regarding No objection certificate for drainage plan has been furnished. Certificate for discharge of treated effluent to BMC has not been furnished. (Condition no. 21)
5. PP furnished a copy of approval accorded by CGWA. Approval from water resource department has not been furnished. (Condition no. 38)
6. During visit the project was in construction stage. PP furnished a copy of NOC from executive engineer drainage division. Certificate of the competent authority for discharging treated effluent in to public sewer has not been furnished. (Condition no. 48)
7. During visit the project was in construction stage. PP furnished a copy of NOC from executive engineer drainage division. Permission from concerned authority to discharge liquid waste has not been furnished. (Condition no. 53)
8. Boundary wall in part has been observed. Wind braking wall of 3M height not observed instead a boundary wall observed in part not all along. Sand was found to be kept in open. PP submitted that transportation of raw materials with cover sheet, water sprinkling on unpaved surface implemented. (Condition no. 60)
9. A copy of Environmental management plan has been furnished. Approach road is paved. Sand was found to be kept in open without cover, wind braking wall of 1/3 rd height or 10M has not been observed. Road side storage of construction material not observed. (Condition no. 62)
10. During visit the project was in construction stage. DG set provided is with acoustic encloser, gaseous emission monitoring data of DG set has not been furnished. PP submitted that diesel Generator (DG) sets will be placed away from the nearest building. (Condition no. 63)
11. Ambient air quality monitoring report of one location has been furnished. Data reported was within the daily limit of NAAQS. Noise level monitoring data of one location has been furnished. Data reported was within norms. (Condition no. 65)
12. Boundary wall has been observed in part not all along. (Condition no. 73)
13. PP submitted that Environment Management Plan has been submitted to SEIAA Odisha at the time of Environment Clearance. A copy of EMP has been furnished to Regional Office. Details of Environmental Monitoring cell has not been furnished. Details of implementation of EMP yet to be furnished to Regional Office. (Condition no. 80)
14. PP submitted that Year wise progress will be submitted to SEIAA, Odisha and MoEF&CC, Regional Office. Details of year wise expenditure yet to be furnished to Regional Office. (Condition no. 81)
15. Six-Monthly compliance due on June 24 has been furnished to Regional Office. Six-monthly compliance yet to be uploaded on the website of the company. (Condition no. 82)

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As per the SEIAA EC file No: 149248/24-MIS/03-2022 dated 16.07.2021

The following non-compliance to the environmental clearance conditions was observed:

1. Details of CER activities under taken as per the condition has not been furnished. (Condition no. 8)
 2. EC has been accorded for (B+S+17) Storied Residential Building and (LB+UB+G+3) Club Building. During visit it was observed that the project was on construction stage. During visit four under construction block/tower was observed. Lower basement constructed on all the four block although EC accorded for B+S+17 for residential building. Up to 12th Floor constructed in three block and construction activity was under progress at 8th floor in another block. The area constructed reported to be 36543.53. PP furnished a copy of approval from Bhubaneswar Development Authority for construction of 2B+G+12 multi-Storage residential apartment with auxiliary commercial building vide letter dated 17.09.2021. Consent to Establish has been obtained for construction of 2B+G+12 multistoried residential apartment with auxiliary commercial building vide letter dated 07.04.2022. SEIAA Odisha may like to take a view in the matter. (Condition no. 11)
 3. Details of advertisement has not been furnished. (Condition no. 14)
 4. PP submitted that the municipal solid waste will be collected by BMC approved vendors. The tie up process is under progress. Certificate from Municipal Authority yet to be provided. (Condition no. 45)
 5. During visit the project was in construction stage. PP furnished a copy of NOC from executive engineer drainage division. Affidavit in this regard yet to be furnished. (Condition no. 47)
 6. Traffic management plan has not been furnished. PP submitted that Traffic Management Plan is being prepared. (69)
 7. PP submitted that Traffic Management Plan is being prepared. Copy of traffic management plan duly validated as per the condition has not been furnished. (Condition no. 79)
5. Further, the proposal was placed in 189th SEIAA, Odisha meeting held on 07.02.2025 and the authority observed that in the CCR, the RO, Bhubaneswar in Point No.2(non-compliance to EC Condition) have pointed out that the area constructed is 36543.53Sqmt. as against the permitted builtup area of 33,621.35 Sqmt in EC letter. This is a deviation from EC granted by SEIAA. Show Cause Notice may be issued to PP to clarify why this case shall not be treated as a violation case as EC dated 16.07.2021 was granted to the residential building for a builtup area of 33,621.35 SQMT only and according, the ADS raised to PP.

Decision of Authority: Defer for ADS

After detailed deliberation, the authority decided to seek information / clarification on the following: -

1. Land agreement with the land owner or developer for development of housing project.
2. Show Cause Notice to be issued to PP based on the observation of Regional Officer, Bhubaneswar in its CCR report (Point No. 2). The PP shall submit his reply on the show cause within two weeks and application of EC to be disposed as per merit.

Signed by


Member Secretary, SEIAA


Member, SEIAA


Chairman, SEIAA

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PARIVESH 1.0, AGENDA No. 208.02	
Proposal No.	SIA/OR/MIS/267261/2022
Date of application	16.07.2022.2022
State file no.	137014/20-MIS/01-2022
Project Type	Amendment of EC (Increasing build-up area from 30990.21sqm to 52257.17 sqm)
Category	B
Project/Activity including Schedule No.	8(a) Building & Construction
Name of the Project	Proposal for Modification of Environmental clearance for proposed construction of private housing project over Plot No: 292, 293, 294, 295, 296, 298, 295/687, Khata No. 352/237, 352/236, 352/322, 352/238 over a revised built-up area 52257.17 sqm at Pahal, Bhubaneswar, Dist-Khurda of Sri Prakash Chand Bhura
Name of the company/Organization	M/s. Utkal Realtors Pvt. Ltd. Sri Prakash Chand Bhura
Location of Project	At- Pahal, Bhubaneswar, Dist- Khurda
Whether submitted scrutiny fee (Yes/No)	Yes, of Rs. 3.0 Lakh vide e-Challan Reference Id no. 2E98838BCF dated 27.01.2020
ToR issue date	NA
Name of Consultant	M/s. Centre for Envotech & Management Consultancy Pvt. Ltd., Bhubaneswar

Proposal in brief:

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

1. The proposal is for Modification of Environmental Clearance for Proposed Construction of Private Housing Project over Plot No.: 292,293,294,295,296,298,295/687, Khata No - 352/237, 352/236, 352/322, 352/238 over a revised built-up area 52257.17 sqm at Pahal, Bhubaneswar, Dist- Khurda of Sri Prakash Chand Bhura.
2. Earlier, The PP has obtained EC from SEIAA, odisha vide EC Identification No. - EC21B038OR178840 dated 21.12.2021 for construction of Proposed Housing Project (Residential Use Type) of Utkal Realtors Pvt. Ltd. having total built-up area 30,990.21 sqm and applied for Modification of EC for Increasing build-up area from 30990.21sqm to 52257.17 sqm).
3. The PP has mentioned that we have got the Environmental Clearance from SEIAA vide file no. 137014/20-MIS/01-2020, dated 21.12.2021 of total built up area is 30,990.21 sqm & total no. of floor is 16 nos. and we are increased the building floor i.e. upto 21 nos. of floor & revised the built-up area i.e. 52,257.17 sqm. So we have revised the built-up area & amended the proposal as per revised built-up area. The construction work is also not started at site but the Sub-committee of SEAC have visited the site on 05.07.2024 and observed that the Tower A is constructed up to 2 floors and Tower B up to 3 floors and Tower C not yet started. PP explained the comparative plan and said that the current built up area is within the previous EC conditions.
4. M/s Utkal Realtors Pvt. Ltd. has awarded for Development of Private Housing Project 2.08 Acres of land at Plot No.: 292,293,294,295,296,298,295/687 Khata No- 352/237, 352/236, 352/322, 352/238, Near NH-16 Road, Pahala, Bhubaneswar, Odisha-751021.

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5. The proposed site is located at Pahal, Bhubaneswar, Odisha. The Geographical co-ordinate of the project site is: Latitude - 20° 20' 26.60" N & Longitude - 85° 53' 04.07" E. The project site is well connected with National Highway-16 (Jharpokharia-Chennai Road). The nearest railway station is Bhubaneswar Railway station at a distance of approx 10.6 Km in South West direction. The nearest airport is Biju Pattnaik International Airport Bhubaneswar at a distance of approx. 13.4 Km in South-West direction from project site. The site is located adjacent to the local landmarks, Haridaspur Mosque, Jagannath Temple, Pahala Etc. There is no structure or encroachments on the site. The site is easily accessible from NH-16 Road.

6. Building Details of The Project:

Particular	Area as per EC	Revised	Permissible
Project Name	Proposed Housing Project (Residential Use Type)		
Plot Area	8457.86 sqm	8457.86 sqm	--
Ground Coverage	2875 sqm (34 %)	3313.35 sqm (39.2 %)	--
Total Built up Area	30990.21 sqm	58737.31 sqm	--
FAR	23257.91 sqm (2.74)	39846.96 sqm (4.711)	23259.11 sqm (2.75)
Maximum Height	59.45 mtr (Residential) 16.80 mtr (Commercial)	83.5 mtr (Tower-A) 83.5 mtr (Tower-B&C)	--
Road & Paved Area	2368.15 sqm	2368.15 sqm	--
Parking Area	7709.50 sqm (30 % of Residential FAR Area + 50 % of commercial FAR Area)	13384.48 sqm	(30 % of Residential FAR Area)
Green Belt Area	1691.50 sqm (20% of Plot area)	1701 Sqm (20.11% of total plot area).	1691.50 sqm (20% of Plot area)
Power/Electricity Requirement & Sources	1056 KW	1682.17 KW Source: TPCODL	--
No. of DG sets	2 x 500 KVA	1 x 750 KVA	--
Fresh Water requirement & Sources	75 KLD Source-Ground Water	133 KLD Source-Ground Water	--
Sewage Treatment & Disposal	STP Capacity 110 KLD	STP Capacity 180 KLD	--
Estimated Population	700 nos.	1428 nos.	--

7. REQUIREMENT FOR THE PROJECT:

- **Area requirement:** For this project- 8457.86 sqm (2.08 Acres) of land is required, which has already been acquired.
- **Power requirement:** The daily power requirement for the proposed Private Developer Project is preliminarily assessed as **1682.17 KW** source from TPCODL of Odisha State Electricity Board. In order to meet emergency power requirements during the grid failure, there is provision of 1 no. of DG set having 750 KVA (1 No.) capacities for power back up in the Private Housing Project.
- **Water requirement:** Fresh make up of 133m³/day will be required for the project which will be sourced from Ground Water Source.

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8. Solid waste Generation:

S. No.	Category	Counts (heads)	Waste generated
1.	Residents	1428 @ 0.45 kg/day	642.6 kg/day
3.	Floating population in residents	140 @ 0.15 kg/day	21 kg/day
5.	STP sludge (S in Kg=Q*0.01*0.05 Where, Q= Quantity of waste water generated in Ltr)		85 kg/day
Total Solid Waste Generated			748.6 kg/day Say 749 kg/day

9. The project proponent along with the consultant **M/s Centre for Envotech & Management Consultancy Pvt. Ltd., Bhubaneswar** made a detailed presentation on the proposal.

10. The project proponent has intimated during presentation that they have not yet started any construction activity for the project including proposal for modification of EC.

11. The SEAC in its meeting held on dated **30-08-2022** decided to take decision on the proposal after receipt of the following information / documents from the proponent. The proponent has furnished the compliance and the SEAC verified the same as follows:

S. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of SEAC
1.	Structural Stability certificate from appropriate authority as per BDA guidelines be submitted and also for revise plan also with corresponding studies made for both approved original plan and revised approved plan.	Structural Stability Certificate of the proposed building is attached in Annexure-1 .	Complied
2.	Certificate from chartered civil engineer about construction made for both approved original plan and revised approved plan.	Chartered Certificate regarding construction made for both original plan and revised approved plan is attached in Annexure-2 .	Complied
3.	Comparative statement in terms of physical features in original plan and present plan.	Comparative Statement regarding physical features in original plan and present plan is attached in Annexure-3 .	Complied
4.	Compliance Report to Previous EC conditions duly certified by Regional Officer of MoEF & CC.	The present proposal is for Amendment of Environment Clearance. No construction work is started at site, once the Amendment EC is received from SEIAA we will submit the Six-Monthly EC Compliance report to Regional Office of MoEF&CC and SEIAA.	-
5.	Permission from Water Resources deptt. For usage of ground water in commercial complex.	We have received the Ground Water NoC from CGWA vide NoC no. CGWA/NOC/INF/ORIG/2021/12756. Copy of Ground Water NoC is attached in Annexure-4 .	Complied
6.	Approval from Fire Safety Dept. for 6m fire tender corridor for high rise building of 40m height.	Recommendation letter from Fire Safety Department is attached in Annexure-5 .	Complied

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7.	As per BDA norms, is ground coverage for the project is 35% of total area?	As per BDA Norms, if building height is more than 40 meters then Ground Coverage of the building is 40%. BDA Norms is attached in Annexure-5 .	Complied
8.	Ground coverage of both original approved plan and revised plan approved of the total plot area vis- a - vis the guidelines/ norms	Ground Coverage of the approved plan is 34% and the ground coverage of the revised plan is 39.2%. As per BDA Norms the Ground Coverage of the building is 40%. BDA Norms is attached in Annexure-5 .	Complied
9.	Impact and effect of change in ground coverage with reference to the original approved plan and the revised plan.	• As the ground coverage is increasing according to the Population, We are also increasing the services like the capacity of STP, DG, UGT etc. • Also increasing the parking according to the population As per BDA norms. • In previous plan we have provided 12.0m driveway as per previous BDA norms but as per new BDA norm it's reduced to 7.50m.	-
10.	In view of significant changes in approved plan and increase in population from 700 to 1428, the requirements be recast with reference to water, power, parking in terms of space and ECS, waste water discharge, STP and its capacity, rain water harvesting and recharging with back up calculation be revisited and resubmitted including number and capacity of DG sets& basis of it etc.	Comparison sheet of approved plan & revised plan is attached.	complied
11.	Tower wise break up of built-up area of approved original plan and revised plan approved as well.	Tower wise break up of built up area of approved original plan & revised plan is attached.	complied
12.	Distance between the towers as per the original plan approved and revised plan approved against the guidelines/ norms for the same.	The width of open space between the building on a plot shall be the setback specified in rule 32 and 33 for the tallest building subject to a minimum of three meters and the minimum width of internal road shall be 6 meters.	
13.	Fresh traffic study through a reputed Institute or study to be vetted by a reputed Institute in view of significant changes in population and the vehicles thereof at intersecting points with public road/ NH/ SH.	The Traffic Study has been vetted by IIT Bhubaneswar. We have calculated the Traffic volume at higher. Traffic Study Report is attached in Annexure-7 .	complied

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14.	Letter from Appropriate authority to take additional load of treated waste water discharge	Bhubaneswar Municipal Corporation (BMC) has vetted the drainage plan. Drainage Vetted letter is attached in Annexure-4 .	BMC has vetted the drainage plan. Drainage Vetted letter submitted nowhere the permission for additional load of treated waste water to be discharge is mention.
12. The SEAC in its meeting held on dated 02-12-2023 decided to take decision on the proposal after receipt of the following from the proponent followed by site visit of the Sub-Committee of SEAC.			
13. 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
a)	The built-up area, population etc. are increased almost 2 times, but STP capacity, water requirements are increased by about 60%. Thus, basis with detailed calculations is to be submitted.	Detail comparison statement of earlier proposal & revised proposal is attached in Annexure-1 .	Comparative table statement has been submitted. STP capacity, water requirements are increased by about 60% the basis with detailed calculations has not been submitted.
b)	The population with power load increased but, DG Set capacity reduced from 1000 KVA to 750 KVA needs to be explained.	Total power requirement of the project is 1682.17 KW & DG set capacity is 750 KVA. In the earlier proposal the proposed project was Commercial-cum-Residential type. Therefore, we have provided 1000 KVA DG Set. Meanwhile the revised proposal the building is residential type therefore; we have provided 750 KVA DG Set only for common use only.	----
c)	No permission from authority for discharge of excess treated water taken, which is a non-compliance and reported in the Proceeding.	Drainage permission has been obtained from BMC. Permission letter is attached in Annexure-2 . Permission has been obtained from Highway Authority for construction of	No permission from authority for discharge of excess treated

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		drain. NHAI letter is attached in Annexure-3.	water has been taken. Permission for disposal of storm water is mentioned in the letter.
d)	All statutory reports of Traffic, Ground water, AA etc. fresh to be taken as some of them are of 2020 and 2021 and there are major changes.	All the fresh clearance has been obtained.	-----

14. The proposed site was visited by the sub-committee of SEAC on **05.07.2024**. Following are the observations of the sub-committee:

- a) The PP and Consultant explained the Layout (both original and revised).
- b) The PP had taken EC for 3 towers earlier with 17 floors and now the revised plan is for same 3 towers (all residential) for 22 floors.
- c) The Tower A is constructed up to 2 floors and Tower B up to 3 floors and Tower C not yet started. PP explained the comparative plan and said that the current built up area is within the previous EC conditions.
- d) The PP was advised the following:
 - i) To submit a write up with details of comparative statements of construction (built up area), floors, environmental settings, STP capacity etc for project/each Tower and explain that the current construction started is not violated the EC conditions. Also, submit the date of Mod EC presentation, Date of submitting ADS, Date of starting of Construction for Tower A & B, Date of BDA interim approval for modified plan.
 - ii) The above statements at i) need to be certified by a BDA empanelled Architect.
 - iii) A structural stability certificate and safety of building with regard to foundations considered for revised built up area and height from an institute of repute.
 - iv) Revised statutory clearances if not taken, to be obtained.
 - v) Permission for discharge of excess treated water and storm water from appropriate authority for the revised plan with lay out plan of drain till fall out.
 - vi) All other information asked during presentation, if not complied.
- e) The stack height to be above the building height complying to CPCB norm.

15. The SEAC in its meeting dated **06-11-2024** decided to take the decision on the proposal after receipt of following from the proponent raised during site visit:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of SEAC
i)	A write up with details of comparative statements of construction (built up area), floors, environmental settings, STP capacity etc. for project/each Tower and explain that the current construction started is not violated the EC conditions. Also, submit the date of Mod EC presentation, Date of submitting ADS, Date of starting of Construction for Tower A & B, Date	Comparative Statement is attached as Annexure-1.	complied

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	of BDA interim approval for modified plan.		
ii)	The above statements at i) need to be certified by a BDA empanelled Architect.	The statement is certified by BDA empanelled architect.	complied
iii)	A structural stability certificate and safety of building with regard to foundations considered for revised built up area and height from an institute of repute.	Structural Stability certificate has been attached as Annexure-2 .	complied
iv)	Revised statutory clearances if not taken, to be obtained.	Revised statutory clearance shall be obtained.	--
v)	Permission for discharge of excess treated water and storm water from appropriate authority for the revised plan with lay out plan of drain till fall out.	Permission Executive Engineer drainage division for discharge of excess treated water and storm water has been attached as Annexure-3 .	Permission from Executive Engineer drainage division for discharge of only storm water has been attached as Annexure-3 .

2. Any deficiencies/omission have been noticed in the above documents-There is no KML file of proposed project area neither submitted earlier nor submitted now.
2. **Deliberation in SEAC Meeting-** The proposal was placed in its meeting held on 04.03.2025 and 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 – I** in addition to the following specific conditions.
 - 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 before further construction and 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) NOC/Permission for discharge of treated water along with storm water to the nearest public drain to be obtained from the appropriate authority including passing the Govt. land. The PP shall try to explore ZLD.
 - iv) Internal drainage plan with RWH/Re-charge Pits to be taken up based on requirement and with approval of the authority.
 - v) Care to be taken in developing land scape to avoid flood situation.
 - vi) The proponent shall use solar energy at least to the tune of 5% of total power requirement as proposed.
 - vii) The proponent shall obtain permission from concerned Fire Safety Authority.
 - viii) Trees located within the project area shall be transplanted to alongside the boundary green development area.

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- ix) The proponent shall implement the Pollution Control Measures and safeguards as proposed in the Environment Management Plan (EMP) of project report.
- x) 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.
- xi) The PP will not commence construction unless the drain lay out is finalized and permission to be taken from the authority to discharge excess treated water & storm water.
- xii) 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.
- xiii) Revised Statutory Clearances to be obtained.
- xiv) All compliances submitted/ committed by PP(s) shall be strictly adhered to them in addition to all the conditions/ specific conditions of EC.

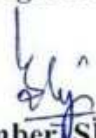
Decision of Authority: Rejected

After detailed deliberation, the authority decided to reject the proposal due to the following reasons: -

1. The PP shall submit the expansion proposal in Form-1 afresh as the expansion is more 50%.
2. Latest Certified compliance Report from Regional Office of MoEF&CC, Bhubaneswar on previous EC conditions.
3. Non submission of Scrutiny fees as applicable for the project.

Signed by


Member Secretary, SEIAA


Member, SEIAA


Chairman, SEIAA

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PARIVESH 1.0, AGENDA No.208.03	
Proposal No.	SIA/OR/MIN/439967/2023
Date of application	12.10.2023
File no.	439967/836-MINB1/10-2023
Project Type	Proposal for fresh EC
Category	B1
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal of EC of Girisola Stone Quarry with proposed excavation of 5600 CUM/year of stone of Tahasildar Chikiti having an area of 20.510 Ha. Located at Khata No: 897, Plot No: 1, 2, 3, 4, At- Girisola, Tahasil- Chikiti, District- Ganjam, Odisha..
Name of the company/Organization	Tahasildar, Chikiti
Location of Project	At- Girisola, Tahasil- Chikiti, District- Ganjam, Odisha.
Whether submitted scrutiny fee (Yes/No)	No, NA as Tahasildar is the Applicant
ToR issued date	27.12.2021.
Name of the Consultant	M/s. Green Circle, INC, Vadodara, Gujrat

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. The SEAC in its meeting held on 20-11-2023 observed that mining lease area is covered with forest growth as seen in KML file. The SEAC decided to consider this proposal for EC after joint verification from forest officials regarding the forest growth and mining activity in proposed lease area.
2. The project proponent has submitted joint verification report which states that:
 - (i) There is no forest growth in the proposed lease area.
 - (ii) There is no valuable tree growth in the proposed lease area.
 - (iii) There are no mining activities in the proposed lease area.
3. The SEAC in its meeting held on **29-01-2024** decided to call for a detailed presentation for the proposal. The PP gave detailed presentation on dated **18-05-2024**.
4. This proposal is for Environmental Clearance of Girisola Stone Quarry with proposed excavation of 5600 CUM/year of stone of Tahasildar Chikiti having an area of 20.510 Ha. Located at Khata No: 897, Plot No: 1, 2, 3, 4, At- Girisola, Tahasil - Chikiti, District- Ganjam of Tahasildar, Chikiti.
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 by Tahasildar, Chikiti & successful bidder is Tahasildar Chikiti, Ganjam.
7. Mining Plan was approved by Joint Directorate of Geology South Zone, Berhampur, letter No. 814/SZ, Dtd. 25.08.2021.
8. This is a new mine. Mining lease is an identified sairat source in the DSR page No.- 102, Para Serial No.- 234, Map location page No.- 156
9. **ToR details:** The ToR was issued by SEIAA, Odisha vide proposal letter No. 3673/SEIAA, Dtd. 27.12.2021.
10. **Public hearing details:** Public hearing was held on Dtd. 15.03.2023 over Govt. land having plot No.- 660 & 796 in Mouza Jagannathpur under Chikiti Tahasil, Ganjam District. Issues raised

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- during the public hearing are environmental protection, air pollution, control blasting, local employment, plantation and availability of raw materials at cheaper price. A total of Rs. 3,50,000 is allotted for the action plan of public hearing.
11. **Location and connectivity** The mine lease area is located in Khata No- 897, Plot No- 1,2, 3 & 4, At- Girisola, under Chikiti Tahasil of Ganjam District with geographical coordinates bearing Latitude: 19° 10' 30.7"N To 19° 10' 46.6"N Longitude: 84° 42' 26.0" E To 84° 42' 49.9" E with Toposheet No: 74A/12, 74/A/16, Kisam-Parabat, From the proposed site, nearest SH29 is 7.8 km, NH16 is 1.7 km, Airport Bhubaneswar is 187 km, Water Body is Ghodahad Dam- 48.8 km, RF- Mahulia Reserve Forest- 134 km, Biju Patanaik Setu, Jagapur Road - 3.1 km, River Embankment- 9.2 km, Electric Transmission Pole- 1 km, Nearest village Girisola - 1.0 km.
 12. The lease area doesn't come under DLC land and there are no other quarries within 500 metres of the site.
 13. **Total reserves:** The total Geological Reserve is 83,05,258 cum and Mineable Reserve is 78,83,996 cum.
 14. **Mining Method:** The proposed method is Opencast Semi Mechanised, Production capacity per annum is 5600 cum, Total production in 5 years is 28000 cum. Maximum mineable depth is 8.00 mRL as per the approved mining plan. Transportation will be through Dumper, Tipper & Tractor.
 15. **Baseline study conducted:** Baseline Study conducted during 1st Dec 2021 to 28th Feb 2022
 16. **Water requirement:** Total quantity of water requirement for the project is 20 KLD.
 17. **Greenbelt Development:** A total of 250 saplings over an area 0.11 Ha. are proposed to be planted for the Proposed Site.
 18. **Total Employment:** Total employment proposed is 13 nos. of manpower for the project.
 19. **Project Cost:** The estimated cost is ₹18 Lacs and Proposed EMP cost is 2 lakhs.
 20. **Environment Consultant:** The Environment consultant M/s Green Circle, INC, Vadodara, Gujrat. with the proponent made a presentation on the proposal before the Committee.
 21. The SEAC in its meeting **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.	Submit the satisfactory compliance report of the Specific ToR.	Specific ToR compliance report is enclosed herewith as Annexure – A .	Annexure – A is attached and complied.
2.	Detailed note on Magazine management, hiring agency, blasting frequency, and management of flying rocks.	Blasting will be carried out by third party explosive license holder on contractual basis but during the blasting the preventive measures taken for flying rocks enclosed herewith as Annexure – B .	Annexure – B is attached and complied.
3.	Layout of Garland drain, retaining wall, settling pit etc. and drainage map of that area.	There is no dump, so it is not applicable for the Garland drain, retaining wall, setting pit during the plan period. Drainage map of that area is given in Chapter-3, fig3-3 of EIA Report.	PP has not submitted and replied there is no dump in the lease area.
4.	Distance certificate of nearest habitation and water bodies/ Nallah.	Distance Certificate from Tahasildar is enclosed herewith as Annexure – C .	Annexure – C is attached and complied.

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5.	Traffic study report vetted by reputed institute.	The road is connected to state high (SH-29) way at distance of 7.8 Km which is directly connected to quarry only, hence no traffic on the quarry road.	Traffic study report is not attached.
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1. The SEAC in its meeting held on dated **19-10-2024** 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
1.	Traffic study report vetted by reputed institute.	Submitted
2.	Layout of Garland drain, retaining wall, settling pit etc. and drainage map of that area.	Submitted

(i)

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

2. **Deliberation in SEAC Meeting-** The proposal was placed in the SEAC meeting held on 04.03.2025 and Considering the information furnished and the presentation made by the consultant, M/s. Green Circle, INC, Vadodara, Gujrat along with the project proponent, the SEAC recommended for grant of Environmental Clearance upto lease period with stipulated conditions as per **Annexure – D and following additional conditions;**

- i) The lessee shall not use wagon drilling blasting.
- ii) No storage and usage of blasting materials/explosives inside the lease area shall be permitted.
- iii) The proponent shall obtain NOC from CGWA and permission from WR department, Govt. Of Odisha for use of ground water.
- iv) The project proponent shall maintain periodic health check-up records of their employees and ensure use of face mask by workers in crushing and handling sections of the stone quarry for ensuring that working personnel are not affected by silicosis.
- v) The project proponent shall undertake re-grassing of the area or any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for fodder, flora, fauna etc. after ceasing mining operation that is at the time of mine closure.
- vi) Haulage road shall be developed and maintained perennially and perpetually by the proponent in consultation with the concerned authority of the Govt.
- vii) Detail risk and hazard management procedure as per the **Annexure – E** shall be followed by the lessee.

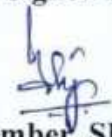
Decision of Authority: Defer for ADS

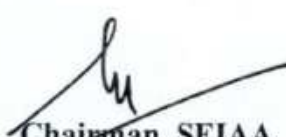
The proposed mining lease area comes within 200 meter from the nearest human habitation and is also located adjoining to the public road which violates the minimum distance criteria for permitting stone quarry. After detailed deliberation, the authority decided to seek clarification / document on the following:-

1. The PP is advised to modify the lease area complying the minimum distance criteria of 200 meters for permitting stone quarry which involves blasting.
2. DLC certificate from concerned DFO.

Signed by


Member Secretary, SEIAA


Member, SEIAA


Chairman, SEIAA

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PARIVESH 1.0, AGENDA No.208.04	
Proposal No.	SIA/OR/MIN/435494/2023
Date of application	12.08.2023
File no.	435494/831-MINB1/08-2023
Project Type	Proposal for fresh EC
Category	B1
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal of EC of Balalanga Stone Quarry - A, C, D submitted under Cluster approach for mining of stone over an area of 12.148 ha. located in village Balalanga, Tahasil - Maneswar in Sambalpur district of Odisha.
Name of the company/Organization	Sri Ajay Tiwary
Location of Project	village Balalanga, Tahasil - Maneswar in Sambalpur district of Odisha
Whether submitted scrutiny fee (Yes/No)	-
ToR issued date	11.11.2022
Name of the Consultant	M/s. P & M Solution, Noida

Proposal in brief:

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

1. This proposal is for Environmental Clearance for Balalanga Stone Quarry - A, C, D submitted under Cluster approach for mining of one over an area of 12.148ha. located in village Balalanga, Tahasil - Maneswar in Sambalpur district of Sri Ajay Tiwari.
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 for Balalanga Stone Quarry A, vide letter no. 19, on dated 04.01.2022, Balalanga Stone Quarry C, vide letter no. 1250, on dated 04.08.2022 & Balalanga Stone Quarry D, vide letter no. 1212, on dated 29.07.2022. The Successful Bidder for Balalanga Stone Quarry A is Sri Abanikanta Panigrahy R/o Ainthapalli, Sambalpur. The Successful Bidder for Balalanga Stone Quarry C is Sri Sunil Mohapatra, R/o Dhanupalli, Sambalpur & the Successful Bidder for Balalanga Stone Quarry D is Sri Subhom Mohapatra, R/o Govindtola, Sambalpur.
4. The Mining Plan of Balalanga Stone Quarry has been approved by Deputy Director of Geology, O/o The Joint Director of Geology, Zonal Survey, Sambalpur on dated 04.01.2022.

S. No.	Name of Quarry	Lease area (Ha.)	Land Schedule	Kissam
i)	Balalanga Stone Quarry- A	2.355	Khata No- 69 Plot No - 449,803,805, 450(P)	Dungri and Pathar Chattan
ii)	Balalanga Stone Quarry- C	4.977	Khata No- 69 Plot No 817,845(P), 808	Dungri and Pathar Chattan
iii)	Balalanga Stone Quarry- D	4.816	Khata No- 69 Plot No - 414(P)	Dungri and Pathar Chattan
Total		12.148		

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5. Mining lease is an identified sairat source in the Revised DSR of Tahasildar Letter No.- 2782 on dtd.- 6/8/2022, Sl. No.- 4 in Annexure-3 of Balalanga- D and in existing DSR Sl. No.- 38 of Page no- 7 of Balalanga-C and Sl. No- 43, Page No.- 8 of Balalanga- A.
6. The **Terms of Reference (TOR)** has been granted by SEIAA, Odisha on 11th November 2022 through File No SIA/OR/MIN/82451/2022.

S. No.	Name of Quarry	Proponent	Lease Area (Ha.)	TOR Details
i)	Balalanga Stone Quarry- A	Sri Abanikanta Panigrahy	2.355	SIA/OR/MIN/82451/2022 Dated 11.11.2022
ii)	Balalanga Stone Quarry- C	Shri Sunil Mohapatra	4.977	SIA/OR/MIN/82451/2022 Dated 11.11.2022
iii)	Balalanga Stone Quarry- D	Shri. Subom Mohapatra	4.816	SIA/OR/MIN/82451/2022 Dated 11.11.2022
Total			12.148	

7. **Location and connectivity:** This present proposal of Balalanga Stone Quarry A, C & D (under total cluster area 12.148 Ha. of 3 stone quarries) is a stone (road metal) mining project consisting of a stone quarry which is located in village - Balalanga, Tahasil – Maneswar, District - Sambalpur of Odisha. The project is on Khata No.- 69, Plot No.- 449, 803, 805, 450(P) (Balalanga A), Plot No.- 817, 845(P), 808 (Balalanga C) & Plot No.- 414(P) (Balalanga D) and covered in the Survey of India Topo Sheet No. – F45 M3. The geo coordinates are: Latitudes -21° 23' 52.37" N to 21° 23' 43.92" N, Longitudes – 84° 01' 45.68" E to 84° 01' 55.85" E. The Kisam of land is Dungri & Pathar Chatan. The Nearest distance of approach road is 2720m. The Nearest National Highway is NH-55 which is at a distance of approx. 2.11 km in NE direction. The Nearest State Highway is SH-15 which is at a distance of approx. 4.57 km in SW direction. The Nearest Airport is Biju Patnaik International Airport which is at a distance of approx. 224 km towards SE direction. River Mahanadi which is at a distance of approx. 4.61 km in West direction. The Nearest Reserve Forest is Kendarapat RF, which is at a distance of approx. 3.59 km in NE direction; Baduapali RF, approx. 0.70 km in South direction; Jaduloisingh RF, approx. 6.27 km in South direction. Nearest road bridge is at a distance of approx. 0.81 km from Balalanga Stone Quarry - A. Nearest road bridge is at a distance of approx. 0.70 km from Balalanga Stone Quarry – C & nearest road bridge is at a distance of approx. 0.85 km from Balalanga Stone Quarry - D. Nearest railway bridge is at a distance of 2.67 km from Balalanga Stone Quarry – A, Nearest railway bridge is at a distance of 2.67 km from Balalanga Stone Quarry – C & Nearest railway bridge is at a distance of 2.84 km from Balalanga Stone Quarry - D. The Nearest River Embankment is at a distance of 2.55 Km from Balalanga Stone Quarry – A, The Nearest River Embankment is at a distance of 2.25 Km from Balalanga Stone Quarry – C & The Nearest River Embankment is at a distance of 2.84 Km from Balalanga Stone Quarry - D. The Nearest Electric Transmission Line Pole is at a distance of 1 Km from Balalanga Stone Quarry – A, The Nearest Electric Transmission Line Pole is at a distance of 1 Km from Balalanga Stone Quarry – C & The Nearest Electric Transmission Line Pole is at a distance of 1 Km from Balalanga Stone Quarry - D. The Nearest Habitation is 0.83 Km in the South direction.
8. **Public hearing** was conducted on 11.04.2023 at 11.00 PM at Kudenisha School Building, Mouza- Balalanga, GP- Batemura, PS- Dhama of Sambalpur District. Provision of drinking water supply and construction of pond near Kudenisha village for bathing purpose were the issues raised during public hearing. Budget allocated for Corporate Environmental Responsibility (CER) of Proposed Tainsar Sand Quarry is Rs. 2,80,000 and Budget for Environmental Protection of whole cluster is Rs. 9,23,200 as capital cost and Rs. 11,30,000 as recurring cost.

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9. **Total Reserves and Proposed Production:** The total Geological Reserves for the cluster is 9,58,933cum, Mineable Reserves for the cluster is 5,67,548.40cum, and the Proposed Production for the cluster is 18,800cum/year.

S. No	Name of the Quarry	Geological Reserves (cum)	Mineable Reserves (cum)	Production (Cum/annum)
i)	Balalanga Stone Quarry - A	2,15,456	1,05,876	2,688
ii)	Balalanga Stone Quarry - C	3,35,189	1,16,946	8,056
iii)	Balalanga Stone Quarry - D	4,08,288	3,44,726.40	8,056
Total		9,58,933	5,67,548.40	18,800

10. **Mining Method:** Mining will be done by opencast semi-mechanized method with adoption of drilling & blasting. Mining will be done by deploying machines like jackhammer, drill compressor, rock breaker, excavator and tractors/trucks. The Proposed depth of mining is 3 Meters as per approved mining plan.

Year	Volume of stone		
	Balalanga Stone Quarry - A	Balalanga Stone Quarry - C	Balalanga Stone Quarry - D
1 st	2252	8056	8056
2 nd	2318	8056	8056
3 rd	2452	8052	8056
4 th	2520	8008	8056
5 th	2688	8008	8056
TOTAL	12230	40180	40280

11. **Waste generation:** Total waste generated for the cluster is 23,173 cum. Entire waste will be used in construction and maintenance of haulage road of the proposed quarry.

Year	Waste generation (cum)		
	Balalanga Stone Quarry - A	Balalanga Stone Quarry - C	Balalanga Stone Quarry - D
1 st	563	2014	2014
2 nd	580	2014	2014
3 rd	613	2013	2014
4 th	630	2002	2014
5 th	672	2002	2014
TOTAL	3058	10045	10070

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12. Water requirement: Total Water Requirement for the proposed cluster project is 19.252 ~ 19.30KLD.

S. No	Quarry	Round off Figure in KLD
i)	Balalanga Stone Quarry – A	7.30
ii)	Balalanga Stone Quarry – C	4.00
iii)	Balalanga Stone Quarry – D	8.00
Total		19.30

13. Greenbelt development: 1216 Plants are proposed to be planted for the Proposed Cluster.

Year	Green belt Nos.		
	Balalanga Stone Quarry - A	Balalanga Stone Quarry - C	Balalanga Stone Quarry - D
1 st year	Excavation for plantation		
2 nd year	236	498	482
3 rd year	Care & Maintenance		
4 th year			
5 th year			
Total	1216		

14. Baseline study: Baseline study has been conducted for Post Monsoon Season of 2022 i.e, Oct, 2022 to Dec 2022.

a) AIR ENVIRONMENT

Ambient Air Quality Monitoring reveals that the minimum & maximum concentrations of PM₁₀ for all the 7 AQ monitoring stations were found to be 40.24 to 63.79 µg/m³ with the 98th percentile ranging between 54.35 µg/m³ to 60.25 µg/m³.

Ambient Air Quality Monitoring reveals that the minimum & maximum concentrations of PM_{2.5} for all the 7 AQ monitoring stations were found to be 20.28 µg/m³ to 32.42 µg/m³ with the 98th percentile ranging between 26.02 µg/m³ to 32.41 µg/m³.

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 7.23 to 14.28 µg/m³ with the 98th percentile ranging between 11.55 µg/m³ to 13.24 µg/m³. The minimum & maximum concentrations of NO_x were found to be 9.68 µg/m³ to 19.19 µg/m³ with the 98th percentile ranging between 15.10 µg/m³ to 21.23 µg/m³.

b) WATER ENVIRONMENT

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

- pH varies from 7.24 at GW4 to 7.86 at GW1 during study period.
- Total hardness varies from 219 mg/l at GW3 to 265mg/l at GW4 during study period.
- Total dissolved solids vary from 322 mg/l at GW4 to 405 mg/l at GW6 during study period.

Surface water

- The analysis results indicate that the pH ranges between 7.24 and 7.56.
- Dissolved Oxygen (DO) was observed in the range of 6.8 to 7.1 mg/l against the minimum requirement of 4 mg/l.
- BOD values were observed to be in the range of 4.0 - 4.3 mg/l.
- The chlorides and Sulphates were found to be in the range.

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- Based on the results it is evident that most of the parameters of the samples comply with 'Category 'C' standards of CPCB indicating their suitability for Drinking water source after conventional treatment and disinfection.

c) **NOISE ENVIRONMENT**

Noise monitoring reveals that the minimum & maximum noise levels at day time were recorded as 48.7 Leq. dB (A) at NQ2 & 59.2 dB (A) at NQ1, respectively. The minimum & maximum noise levels at night time were found to be 37.6 dB (A) at NQ2 & 44.3 dB (A) at NQ1. 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**

Physical characteristics of soil were characterized through specific parameters viz bulk density, porosity, water holding capacity, pH, electrical conductivity and texture. Soil pH plays an important role in the availability of nutrients. Soil microbial activity as well as solubility of metal ions is also dependent on pH. In the study area, variations in the pH of the soil were found to be slightly alkaline (7.23 to 7.64). Electrical conductivity (EC) is a measure of the soluble salts and ionic activity in the soil. In the collected soil samples the conductivity ranged from 274- 320 μ mhos/cm.

15. **Manpower requirement:** 50 nos. of persons will be employed for the proposed Cluster.

16. **Project Cost & EMP cost:** The Project Cost is Rs. 20 Lakhs and EMP Cost (Capital cost) is Rs. 3.222 Lakhs and EMP (Recurring cost) is Rs. 4.50 Lakhs for Balalanga Stone Quarry – A. The Project Cost is Rs. 60 Lakhs and EMP Capital cost is Rs. 2.146 Lakhs and EMP Recurring cost is Rs. 4.50 Lakhs for Balalanga Stone Quarry-C. The Project Cost is Rs. 60 Lakhs and EMP Capital cost is Rs. 3.864 Lakhs and EMP Recurring cost is Rs. 4.50 Lakhs for Balalanga Stone Quarry – D.

Budget for Environmental Protection (Cluster)

S. No.	Measures	Capital Cost (In Rs.)	Recurring Cost (In Rs.)
i)	Pollution Control Dust Suppression /Water Sprinkling	--	6,00,000
ii)	Pollution Monitoring i) Air pollution ii) Water pollution iii) Soil Pollution iv) Noise Pollution	--	50,000 40,000 10,000 10,000
iii)	Green belt development	2,43,200	1,50,000
iv)	Maintenance of approach road	6,80,000	2,70,000
Total		9,23,200	11,30,000

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

18. The SEAC in its meeting held on dated **29-08-2023** 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
1.	Total cluster area is more than 5 ha. and DEIAA had granted Environmental Clearance earlier.	Sir, recently the proposals have handed over from revenue department to Mining department.	---

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	The proponent has to clarify how DEIAA has granted Environmental Clearance with copy of Environmental Clearance of each lease.	Prior that we have no record how & when the EC of Balalanga Stone Quarry had been granted by DEIAA, Sambalpur. No such Committee or the persons are available to clarify it. Request you to kindly consider it.	
2.	The proponent shall prepare for magazine management for the blasting procedure.	The Magazine management for blasting procedure has been attached for your reference as Annexure-I .	Complied
3.	Complete layout map showing the distance from catchment and periphery of the Hirakud reservoir.	The layout map showing the distance from catchment and periphery of the Hirakud reservoir has been attached for your reference as Annexure -II .	Toposheet map showing the same submitted.
4.	The proponent shall provide garland drain for the small lease area of the Quarry no. A.	The map of garland drains for the small lease area of the Quarry no. A has been attached for your reference as Annexure-III .	complied
5.	Rectify the discrepancy of surface level water table chart that's given as ground level water table.	The revised water table chart of surface and ground level water table has been attached for your reference as Annexure-IV .	complied
6.	There is an elephant movement area in that region. During public hearing, issue raised that elephants destroy the rice paddy in their agricultural fields. The project proponent shall prepare a revise action plan with consultation with concerned DFO, regarding precautionary measures which could be undertaken towards it.	The revised action plan regarding the elephant movement in agricultural filed has been prepared with the consultation of DFO, Sambalpur which has been submitted for your reference as Annexure-V .	Annexure V is certificate from DFO regarding exact distance of proposed quarries from Badrama WLS, Debrigarh WLS and Nearest elephant reserve alongwith map is submitted. All the distances certified by DFO is more than 10km from proposed cluster.
7.	Certificate from concerned DFO for exact distance of proposed cluster from the elephant corridor.	The distance letter from DFO, Sambalpur has been attached for your reference as Annexure-VI .	Certificate from concerned DFO for exact Distance of nearest elephant reserve is submitted which is more than 10km from proposed cluster.

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8.	The habitation is 230 metres away from the quarry. Thus, deep hole blasting is to be avoided and drilling and blasting is to be restricted to within 3m as per the approved mining plan. The project proponent is required to adopt adequate preventive measures against any hazards that might occur due to fly rocks and ground vibration. An undertaking to this effect is required to be submitted.	The undertaking letter from the Lessee for management of blasting has been attached for your reference as Annexure-VII .	Undertaking from the Lessee that they will not use wagon drilling blasting during mining is submitted.
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19. Any deficiencies/omission have been noticed in the above documents- Nil

2. **Deliberation in SEAC Meeting-** The proposal was placed in the SEAC meeting held on 10.03.2025 and 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, 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 **Balalanga Stone Quarry - A, C, D** submitted under Cluster approach - **03 nos.** quarry leases) in cluster with specific conditions as per **Annexure- F** after 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) DLC status of the lease area from concerned DFO as certified by the concerned Tahasildar.
- vi) An Undertaking by the lessee not to use wagon drilling blasting to be submitted. Accordingly, specific condition to be stipulated in EC of individual lease.
- vii) No storage and usage of blasting materials/explosives inside the lease area without license/permission/authorization from competent Authority as per Indian Explosives Rules, 1983 shall be ensured by the lessee. An undertaking to this effect shall be submitted by the lessee. Accordingly, specific condition to be stipulated in EC of individual lease.
- viii) An undertaking to obtain NOC from CGWA and permission from WR department, Govt. Of Odisha for use of ground water. Accordingly, specific condition to be stipulated in EC of individual lease.

b) **Following specific conditions shall be stipulated in Environmental Clearance for individual lease:**

- i) The lessee shall not use wagon drilling blasting.
- ii) No storage and usage of blasting materials/explosives inside the lease area shall be permitted.
- iii) The proponent shall obtain NOC from CGWA and permission from WR department, Govt. Of Odisha for use of ground water.
- iv) The project proponent shall maintain periodic health check-up records of their employees and ensure use of face mask by workers in crushing and handling sections of the stone quarry for ensuring that working personnel are not affected by silicosis.
- v) The project proponent shall undertake re-grassing of the area or any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for fodder, flora, fauna etc. after ceasing mining operation that is at the time of mine closure.

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- vi) Haulage road shall be developed and maintained perennially and perpetually by the proponent in consultation with the concerned authority of the Govt.
- vii) Detail risk and hazard management procedure as per the **Annexure – G** shall be followed by the lessee.

Decision of Authority: Defer for ADS

After detailed deliberation, the authority approved the cluster EIA & EMP as recommended by SEAC. The PP is required to submit individual EC application in cluster with the following documents.

- i) Filled in form-I of individual lease
- ii) Prefeasibility report of individual lease
- iii) EMP of individual lease with budgetary provision for CER activities for compliance of public hearing issues.
- iv) Approved Mining Plan of individual lease
- v) DLC Certificate from concerned DFO / Tahasildar.
- vi) An Undertaking by the lessee not to use wagon drilling blasting to be submitted.
- vii) No storage and usage of blasting materials/explosives inside the lease area without license/permission/authorization from competent Authority as per Indian Explosives Rules, 1983 shall be ensured by the lessee. An undertaking to this effect shall be submitted by the lessee.
- viii) An undertaking to obtain NOC from CGWA and permission from WR department, Govt. Of Odisha for use of ground water.
- ix) Since, the nearest human habitation is only 110 meters, the PP shall demarcate a no mining zone of 200 meter from nearest human habitation.
- x) Certificate from DFO, Sambalpur regarding the presence of schedule-1 species especially in the buffer zone of the proposed lease area around 10 KM radius.

Signed by


Member Secretary, SEIAA


Member, SEIAA


Chairman, SEIAA

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PARIVESH 1.0, AGENDA No.208.05	
Proposal No.	SIA/OR/MIN/405154/2022
Date of application	07.11.2022
File no.	405154/306-MINB1/11-2022
Project Type	Proposal for fresh EC
Category	B1
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal of EC of Alipingal-Adhanga Devi Nadi Sand Quarry over an area of 22.06 acres or 8.93 hectare at Village- Alipingal-Adhanga, Tahasil- Jagatsinghpur, District- Jagatsinghpur.
Name of the company/Organization	Sri Subash Rout
Location of Project	Village- Alipingal- Adhanga, Tahasil- Jagatsinghpur, District- Jagatsinghpur
Whether submitted scrutiny fee (Yes/No)	-
ToR issued date	31.08.2021
Name of the Consultant	M/s Kalyani Laboratories Private Limited, Bhubaneswar

Proposal in brief:

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

1. This proposal is for environmental clearance for Alipingal-Adhanga Devi Nadi Sand Quarry over an area of 22.06 acres or 8.93 hectare at Village- Alipingal- Adhanga, Tahasil- Jagatsinghpur, District- Jagatsinghpur of Sri Subash Rout.
2. **Category:** This proposal falls under Category "B1", 1(a) - Mining of Minerals as the Mining lease area is more than 5.0 Ha. as per the EIA notification 2006 and its subsequent amendments.
3. The proposed mining project is sand mining project for Alipingal & Adhanga Devi Nadi sand Quarry at village Alipingal & Adhanga under Jagatsinghpur Tahasil of Jagatsinghpur district, Odisha, over an area of 22.06 acres or 8.93 ha. The successful bidder for the project is Sri Subash Chandra Rout.
4. The present mines is new mines granted by the Tahasildar Jagatsinghpur through Form F vide Letter No. 60 dated 08-01-2021 to intimate Sri Subash Chandra Rout, as the successful bidder.
5. The period of lease is 5 years, as mentioned in approved mining plan. Mining lease is an identified sairat source in the DSR of Annexure II & sl.no. 6 which shows it is a working mine. The lease area has no other mines within 500 meters.
6. **TOR details:** The EIA/EMP study for Alipingal-Adhanga river sand bed Mines is being prepared in accordance with the TOR approved by SEIAA, Odisha vide letter no. 2321/SEIAA dated 31.08.2021.
7. The mining plan has been approved by the Govt of Odisha Directorate of Geology Bhu-Bigyan Bhawan, Bhubaneswar, Odisha vide memo no. **GXCII (g) - 913/ 19-8285 on dated 21.12.2020.**
8. **Public hearing details:** The Public Hearing in respect of Environment Clearance for Alipingal-Adhanga Devi Nadi Sand Quarry on River Devi over an area of 8.93Ha. under the Tahasildar of Jagatsinghpur of Jagatsinghpur district, Odisha was conducted on 22.06.2022 at 10.30 A.M. at Ground near Market Complex of Alipingal village in Jagatsinghpur, Odisha. Air pollution control, employment, livelihood, maintenance of Mahira village road, provision towards Repair and Maintenance of village Tube wells in Alipingal Village, provision of Assistance to Alipingal Primary School and plantation were the main issues raised during public hearing. Budget allocated for public hearing issues is Rs. 6.5lakhs.

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9. **Location & Connectivity:** The Lease area is located at village Alipingala-Adhanga under Jagatsinghpur tahasil of Jagatsinghpur district, which comes under Survey of India Topo Sheet No.- 73-L/4 and the area is bounded by Latitude: 20° 13' 02.00" to 20° 13' 20.40" North & Longitude: 86° 08' 24.00" to 86° 08' 52.70" East. The Alipingal-Adhanga Devi Nadi Sand Quarry is well connected to Jagatsinghpur town by pucca road. The nearest railway station is at Gopalpur which is situated at 15.5 Km from the lease area. There is an existing river bridge at Galupada (Alipingal) in the block B of the lease area. The mining activity will be carried out only in **block A** and there will be no mining activity proposed in block B **due to existence of River Bridge**. However, the area is approachable from Alipingal by Tarakani road which is located at 0.7 Km. Nearest national highway NH -55 at 0.5km. Nearest airport is Biju Pattnaik International Airport at 35.70km. Nearest hospital, education institute at 5.5km. Nearest water body Gobari river at 5.90km. No Wild Life Sanctuary/ Biosphere reserve, wild life corridor or other Eco sensitive zone present within 10 Km radius of lease area.
10. **Topography:** Topographically, the area is plain area, so there is no chance of stagnant water at the lower level of the lease area. If any water will generate during excavation, that will be channelled to the river course.
11. **Replenishment Study** – The rate of replenishment of sand is finalized by conventional volumetric survey with hand GPS, Total station & Measuring tape. Thickness of sand deposit has been taken by considering the pre-monsoon and post-monsoon survey in different part of the lease area. The first survey was carried out in December'2020 for recording the level of mining lease before the mining. The second survey was carried out in May'2021 for starting of monsoon season. This survey provided the quantity of the material excavated before the offset of monsoon. The third survey has been carried out after the monsoon on November/December'2021 to know the quantum of material deposited/replenished in the mining lease. As the above area is not operational till now, hence it is studied that the **Replenishment is absolutely 50%** during the year 2021-22, which will lead for the production capacity of 7,570 m³/annum. Once one part will excavate for one year, will not come further during next year plan period. So, rest part of mineable area will be excavated as per approved mining.
12. **Reserves** - The reserve has been estimated based on surface exposure of riverbed by surface area method. The Geological Reserve is 1, 33,802 m³. The mineable reserve has been calculated by excluding the reserve blocked under the pit slope of 7.5m safety all along the lease boundary and 500 m safety zone from bridge and 10 safety measures from water course and found to be 49048 m³.
13. **Mining method:** The method of mining will be adopted as open cast manual method with mechanical carriage to achieve the targeted production of 22,000m³/annum and total production is 110000 m³ during the plan period.
14. **Land use:** During mining operation 2.56 ha of area will be utilized for mining and allied activities and remaining 6.37 ha will remain undisturbed as safety zone along lease boundary and 500 m safety zone from bridge and 10 meters safety measures from water course.
15. **Baseline study** was conducted during November 2021 – January 2022. Following results were obtained.

AAQ PARAMETERS AT 5 LOCATIONS	PM2.5 –22.9 to 49.1 µg/cu.m	60 µg/cu.m
	PM10 – 45.8 to 76.3 µg/cu.m	100 µg/cu.m
	SO2 – 5.6 to 11.5 µg/cu.m	80 µg/cu.m
	Nox – 11.7 to 22.4 µg/cu.m	80 µg/cu.m
Ground water Quality at 3 Location	pH – 7.3 to 8.1	6.5 to 8.5
	Total Hardness – 80 to 128 mg/l	600 mg/l
	Chloride - 10 to 20 mg/l	250 mg/l

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	Fluorides – 0.73 to 0.82 mg/l	1.5 mg/l
	TDS – 140 to 160 mg/l	1000 mg/l
	Heavy metals: BDL (Cd <0.001, As <0.01, Hg<0.0001) mg/l Detection limits of analysis method	Heavy metals: (Cd <0.003, As <0.01, Hg<0.001) mg/l
Surface water at 2 locations	pH – 8.35 to 8.4	
	Dissolved Oxygen – 6.6 to 6.7 mg/l	
	Biochemical Oxygen Demand – <2 mg/l	
	Chemical Oxygen demand – <5 mg/l	
Noise at 5 locations	Day (dBA Leq) 32.4 to 50.8	55
	Night (dBA Leq) - 25.6 to 37.6	45
Soil Quality at 4 locations	pH –5.6 to 6.3, Potassium –235.2 to 395.1 mg/ kg, Phosphorous –5.0 to 9.9 mg/ kg, Organic Carbon % – 0.56 to 1.42, Electrical Conductivity- 71 to 124 μ shos/Cm	

16. **Employment generation:** Due to the proposed sand mining, there will be generation of employment for 39 persons. Out of which, 02 nos. are skilled, 10 nos. are semi-skilled and 25 nos. are unskilled and 02 supervisor.
17. **Water requirement:** Total water requirement for the project will be 5 KLD. For drinking & domestic purpose, water requirement will be 1.5 KLD, water requirement for green belt development will be 1.5 KLD and dust suppression will be 02 KLD.
18. **Power requirement:** No electrical power shall be required for operations as the mining will be worked out during daytime only. Minimal power required for office shall be taken from the General Electric supply of the area.
19. **Green Belt:** As the area comes under the riverbed so, no plantation programme is incorporated. So, the plantation will be carried out along the river bank to protect the bank erosion over an area of 0.0625Ha. (250m long River Bank x 2.5m width) with 250nos of local native species of plants to be planted.
20. **Project cost:** The estimated cost of the project is Rs 10 lakhs approximately and cost for EMP is Rs 3 lakhs.
21. The proponent along with the consultant **M/s Kalyani Laboratories Private Limited, Bhubaneswar**, made a detailed presentation before the SEAC on 12.12.2022.
22. The SEAC in its meeting held on dated **12-12-2022** 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
1.	As revealed from the KML file, mining has been carried out earlier. So, compliance to EC conditions certified by the Tahasildar if EC granted earlier.	There is no such mining carried out earlier though KML file shows sign of mining. No EC was granted earlier as it is a new source. So, no such compliance to EC conditions may be considered.
2.	Rate of replenishment is 50% as per replenishment study conducted during the year 2021-22, which	Revised approved Mining Plan for the production capacity of 12,838m ³ / annum according to the replenishment study

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	will lead for the production capacity of 7,570m ³ /annum instead of capacity approved in ToR and mining plan i.e. 22,000 m ³ /annum. Hence, revised approved mining plan according to the replenishment study to be submitted.	report prepared by drone survey method for the year 2024-25 has been submitted. The revised mining plan is approved on 11 th July 2024 for five years based on clarification raised by SEAC in its meeting held on 22 nd December 2022. This was communicated to the PP vide letter No.01 / SEAC (Misc-28) dated 04 th January 2023 for revising the mining plan as per the replenishment study report. As per the approved revised mining plan the proposed source consists of 2 patches i.e. Block A of 10 acre and Block B of 12.06 acre. A bridge passes over Block B and hence 500 m on either side of the bridge is excluded from sand mining. Hence the lifting of sand is only proposed in Block A of 10 Acre after giving due allowances of 500 m distance from the bridge and 10 m distance submerged in river water. Both Blocs A & B have different plot numbers. As per the approved revised mining plan, the ML area has gentle slope, almost flat terrain with an average altitude of 15 m above the MSL. 1.5 m depth of sand excavation is approved and accordingly quarry floor level is stated to be 13.5 m RL. The river water level is stated to be 12 m RL.
3.	Replenishment Study Report should be certified by the concerned Tahasildar. NoC from the concerned Tahasildar that they don't have any objection if the sand extraction quantity will be revised as per replenishment study.	Revised Replenishment study Report prepared using Drone Survey method certificate by the Mining Officer is submitted for your consideration. The RSR is based on pre and post monsoon surveys done on 05 th June 2024 and 14 th November 2024 respectively. Two different sets of GCPs, five numbers in each, have been used for the pre- and post-monsoon surveys. The process / method of fixing these GCPs is mentioned under para "3.4 Survey procedure". Para "Reference point" states that a reference point is established of near bridge. The quality report section of the RSR states the RMS errors in absolute geolocation variance during the pre and post monsoon surveys. These are mentioned to be 8 mm for X, 12 mm for Y and 4mm for Z both in pre- and post- monsoon surveys. The pre and post-monsoon elevations of grid points in the safe workable area presented in Table No. 4.2 are in line with the RLs stated in the approved revised mining plan.
4.	Submit all the reading points data for sand replenishment.	All the reading points data has been incorporated in new Replenishment study Report prepared by using Drone Survey method.

23. The Committee observed the following:

- i) The GCPs in the pre and post monsoon surveys are not fixed as per para "Ground control point establishment and monumentation" of the standard operating procedure (SOP) for study of rate of replenishment of sand using drone survey prepared by ORSAC for SEIAA, Odisha and submitted vide letter No. ORSAC/PR/0951/21/2588 dated 02nd June 2023.

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- ii) The reported grid points elevations of the safe workable area based on pre- and post- monsoon surveys are in line with those mentioned in the revised approved mining plan and the RMS geolocation errors for X, Y and Z are stated to be in acceptable ranges.
- iii) The replenishment volume of sand mentioned in the RSR may please be accepted and needs to be reconciled with that excavated during the current season prior to onset of monsoon in 2025.
- iv) It is always advisable to carry out surveys based on standard operating procedures, in this case ORSAC prepared SOP or drone survey as the survey results are reproducible and verifiable. Adoption of standard SOP eliminates subjective factors and makes the process transparent. Mere outcome of seemingly correct results is no guarantee that the adopted survey method is an alternative to the SOP prepared by designated agencies. In future the surveying agencies must adhere to the ORSAC SOP for carrying out photogrammetry surveys using drones.

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

2. **Deliberation in SEAC Meeting-** The proposal was placed in the SEAC meeting held on 10.03.2025 and the SEAC considering the information / documents furnished by the proponent and presentation made by the consultant **M/s Kalyani Laboratories Private Limited, Bhubaneswar** on behalf of the proponent, the SEAC recommended for grant of Environmental Clearance valid upto lease period with stipulated conditions as per **Annexure-F** in addition to the following specific conditions:

- a) 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**.
- b) Sand extraction shall be limited to quantity and depth as per replenishment study report for only the first year of mining. 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.
- d) 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.

Decision of Authority: Approved

After detailed deliberation, the authority approved the amendment of EC for extraction of sand limited to 9212 cum for the 1st year and 9212 cum for the 2nd year with average depth of 1.4 meter and the method of mining shall be as per the approved Mining Plan with the following additional conditions.

- The PP shall maintain 50 meter as no mining zone from the embankment. The Mining Officer shall ensure that no sand shall be extracted from the river embankment within 50 meters distance during mining operation.
- The Annual Rate of Replenishment Study (ARRS) is to be conducted through ORSAC empanel agency or NABET Consultant as per the prescribed guidelines and the PP shall submit the report latest by 31st December, 2027.

Signed by


Member Secretary, SEIAA


Member, SEIAA


Chairman, SEIAA