

Agenda of 168th Meeting of SEIAA, Odisha held on 24.06.2024 & 25.06.2024

PARIVESH 1.0, AGENDA No.01	
Proposal No.	SIA/OR/MIN/422346/2023
Date of application	01.11.2023
File no.	422346/983-MINB2/11-2023
Project Type	New EC proposal
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for EC of Kharabhuin-I Stone Quarry over an area of 7.00 acres or 2.833 hectares bearing Khata no. 194, Plot no. 275/A in Kharabhuin village of Harabhanga Tahasil, District- Boudh State Odisha.
Name of the company/Organization	Sri Krutibas Mishra
Location of Project	Kharabhuin village of Harabhanga Tahasil, District- Boudh State Odisha

1. Proposal in brief:

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

- (i) This is a proposal for mining of stone from Kharabhuin-I Stone Quarry over an area of 7.00 acres or 2.833 hectares bearing Khata no. 194, Plot no. 275/A in Kharabhuin village of Harabhanga Tahasil, District- Boudh State Odisha.
- (ii) The mining area is a part of Survey of India Toposheet No. F45S/10 and is bounded between the Latitude-20°35'12.2"N to 20°35'17.6" N and Longitude – 84°33'02.6"E to 84°33'13.30" E bearing Khata no. 194 , Plot No. 275/A, Kissam-Parbata
- (iii) The mining lease is an identified sairat source in the DSR. The Kharabhuin-I Stone Quarry sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Harabhanga to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- (iv) Documents submitted: -Form-1, EMP, PFR, DLC, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, Harabhanga, topo map etc.
- (v) Whether submitted KML file of the lease area-Yes
- (vi) Whether submitted scrutiny fee-Yes of Rs. 1000/- vide e Challan Reference Id no. 3375E16242 dt. 21.10.2022
- (vii) Distance from nearest sanctuary/ESZ- Satkosia Gorge WLS-30.0 Km
- (viii) Whether the lease area coming in DLC report-No, as certified by Tahasildar, Harabhanga on 03.03.2023.
- (ix) Whether the lease area reflecting in DSR-Yes
- (x) Method of mining-semi-mechanized and both drilling and blasting will be done
- (xi) Distance from nearest road bridge-4.80 km, Village road-1.30 km
- (xii) Whether it is part of cluster – Yes, Kharabhuin Jungle-I stone quarry (EC granted by SEIAA, Odisha) having lease area 2.023 coming under cluster. The PP has submitted cluster EMP with budget provision of Rs. 2.30 Lakh(Capital Cost) , Rs. 2.20 Lakh/annum (Recurring Cost) for Kharabhuin-I Stone Quarry and the same budget for Kharabhuin Jungle-I stone quarry.
- (xiii) Whether EC obtained earlier-Yes. EC obtained earlier from SEIAA, Odisha vide letter no. 4510 dt. 17.08.2015 and submitted EC compliance.
- (xiv) Date of approval of mining plan- by the Deputy Director of Geology, South Zone, Berhampur vide letter no. 39 dt. 06.01.2020
- (xv) Production capacity per annum-10080 cum/annum (max.), total production in 5 years period-50400 cum, Geological reserve-309505 cum and Mineable reserve-230598 cum.

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- (xvi) The DSR has not been prepared as per the MoEF& CC, Govt. of India Notification S.O. 3611(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020 and as per the Hon'ble Supreme Court order vide its order dated 10.11.2021 in Civil Appeal Nos. 3661-3662 of 2020 (State of Bihar Vrs. Pawan Kumar and Others).
- (xvii) Budget provision for EMP of Rs. 2.30 Lakh(Capital Cost) , Rs. 2.20 Lakh/annum (Recurring Cost) for Kharabhuin-I Stone Quarry and the same budget for Kharabhuin Jungle-I stone quarry.
- (xviii) Any deficiencies/omission have been noticed in the above documents- Nil

2. **Whether SEAC recommended the proposal** – The proposal was placed in the SEAC meeting held on 29th April, 01st, 02nd, 03rd & 04th May 2024 and **the SEAC recommended to grant EC** valid from the date of EC accorded up to the lease period with following additional conditions.
- i) Consent / NoC shall be obtained from the concerned authority if village road is to be used for transportation. The said road shall also be maintained by the lessee.
 - ii) In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured
 - iii) Plantation programme to be completed within first two years and to be maintained in remaining years.
 - iv) Depth of Mining as proposed should not be beyond 6m from the ground level.
 - v) Mitigation measures for flying Rock for safety be put in place.
 - vi) Stone quarry project proponent need to maintain periodic health check-up records of their employees and ensure use of face mask by workers in crushing and handling sections of the stone quarry for ensuring that working personnel are not affected by silicosis.
 - vii) The boundary area of the deposit as per the revised / updated DSR to be defined by geo coordinates based on DGPS survey superimposed on the cadastral map.
 - viii) Construction of garland drains retaining wall and settling tank should be ensured to prevent erosion during rainfall and to collect silt generated during the mining activity.
 - ix) All removed topsoil to be stacked and used for plantation in the surroundings of mining area / post mine closure in the mined-out area. (x) All recommended precautions for blasting operations to be followed. Blasting to be done by DGMS approved agency. No explosives to be stored at the mining lease site.

Decision of Authority:

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PARIVESH 1.0, AGENDA No.02	
Proposal No.	SIA/OR/MIN/404022/2022
Date of application	26.12.2023
File no.	404022/1002-MINB2/12-2023
Project Type	New EC proposal
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for EC of Khilamunda-II Stone Quarry over an area of 5.00 Acres or 2.023 Ha having Khata No. 16 Plot No. 114 in the village Khilamunda, Tahasil Padmapur in district Rayagada, State Odisha. on favour of Sri Gourinath Mahapatro
Name of the company/Organization	Sri Gourinath Mohapatra
Location of Project	village Khilamunda, Tahasil Padmapur in district Rayagada, State Odisha

1. Proposal in brief:

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

- (i) This is a proposal for mining of stone from Khilamunda-II Stone Quarry over an area of 5.00 Acres or 2.023 Ha having Khata No. 16 Plot No. 114 in the village Khilamunda, Tahasil Padmapur in district Rayagada, State Odisha.
- (ii) The mining area is a part of Survey of India Toposheet No. E44F15 & E44F16 and is bounded between the Latitude-19°15'21.42"N to 19°15'27.38" N and Longitude – 83°49'44.65"E to 83°49'49.40" E bearing Khata no. 16, Plot No. 114, Kissam-Parbata
- (iii) The mining lease is an identified sairat source in the DSR. The Khilamunda-II Stone Quarry sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Padmpur to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- (iv) Documents submitted: -Form-1, EMP, PFR, DLC, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, Padmpur, topo map etc.
- (v) Whether submitted KML file of the lease area-Yes
- (vi) Whether submitted scrutiny fee-Yes of Rs. 1000/- vide e Challan Reference Id no. 3375E16242 dt. 21.10.2022
- (vii) Distance from nearest sanctuary/ESZ- Lakhari Valley WLS-54.0 Km
- (viii) Whether the lease area coming in DLC report-No, as certified by Tahasildar, Padmpur on 14.10.2022.
- (ix) Whether the lease area reflecting in DSR-Yes
- (x) Method of mining-semi-mechanized and both drilling and blasting will be done
- (xi) Distance from nearest road bridge-7.0 km, NH-320 road-0.30, Village road-0.60 km
- (xii) Whether it is part of cluster – No.
- (xiii) Whether EC obtained earlier-Yes. EC obtained earlier from DEIAA, Rayagada vide letter no. 755 dt. 20.09.2016
- (xiv) Date of approval of mining plan- by the Joint Director of Geology, Zonal Survey, Koraput vide letter no. 722 dt. 29.09.2022
- (xv) Production capacity per annum-3440 cum/annum (max.), total production in 5 years period-17200 cum, Geological reserve-364446 cum and Mineable reserve-182665 cum.
- (xvi) The DSR has not been prepared as per the MoEF& CC, Govt. of India Notification S.O. 3611(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020 and as per the Hon'ble Supreme Court order vide its order dated

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10.11.2021 in Civil Appeal Nos. 3661-3662 of 2020 (State of Bihar Vrs. Pawan Kumar and Others).

(xvii) Budget provision for EMP of Rs. 1.30 lakh/annum

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

2. **Whether SEAC recommended the proposal** – The proposal was placed in the SEAC meeting held on 29th April, 01st, 02nd, 03rd & 04th May 2024 and the **SEAC recommended to grant EC** valid from the date of EC accorded up to the lease period with following additional conditions.
- i) Consent / NoC shall be obtained from the concerned authority if village road is to be used for transportation. The said road shall also be maintained by the lessee.
 - ii) In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured
 - iii) Plantation programme to be completed within first two years and to be maintained in remaining years.
 - iv) Depth of Mining as proposed should not be beyond 6m from the ground level.
 - v) Mitigation measures for flying Rock for safety be put in place.
 - vi) Stone quarry project proponent need to maintain periodic health check-up records of their employees and ensure use of face mask by workers in crushing and handling sections of the stone quarry for ensuring that working personnel are not affected by silicosis.
 - vii) The boundary area of the deposit as per the revised / updated DSR to be defined by geo coordinates based on DGPS survey superimposed on the cadastral map.
 - viii) Construction of garland drains retaining wall and settling tank should be ensured to prevent erosion during rainfall and to collect silt generated during the mining activity.
 - ix) All removed topsoil to be stacked and used for plantation in the surroundings of mining area / post mine closure in the mined-out area. (x) All recommended precautions for blasting operations to be followed. Blasting to be done by DGMS approved agency. No explosives to be stored at the mining lease site.

Decision of Authority:

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PARIVESH 1.0, AGENDA No.03	
Proposal No.	SIA/OR/MIN/446199/2023
Date of application	28.09.2023
File no.	446199/994-MINB2/11-2023
Project Type	New EC proposal
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for EC of Gambharia Brick Earth Quarry Over an area of 0.99 Acres or 0.400 hectares in village Gambharia under Remuna Tahasil of Balasore District of Odisha.
Name of the company/Organization	Sri Padmalochan Jena of M/s. Mita Brick
Location of Project	village Gambharia under Remuna Tahasil of Balasore District of Odisha..

1. Proposal in brief:

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

- (i) This is a proposal for mining of brick earth from Gambharia Brick Earth Quarry Over an area of 0.99 Acres or 0.400 hectares in village Gambharia under Remuna Tahasil of Balasore District of Odisha..
- (ii) The mining area is a part of Survey of India Toposheet No. 73-K/14 (F450/14) and is bounded between the Latitude-21°32'47.4"N to 21°32'52.0" N and Longitude – 86°54'41.00"E to 86°54'46.90" E bearing Khata no. 428/20 , Plot No. 584, 584/1377, Kissam-Gharabari
- (iii) The mining lease is an identified sairat source in the DSR. The Gambharia Brick Earth Quarry sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Remuna to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- (iv) Documents submitted: -Form-1, EMP, PFR, DLC, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, Remuna, topo map etc.
- (v) Whether submitted KML file of the lease area-Yes
- (vi) Whether submitted scrutiny fee-Yes of Rs. 1000/- vide e Challan Reference Id no. 35C46C829C dt. 28.09.2023
- (vii) Distance from nearest sanctuary/ESZ- Kuldiha WLS-20.24 Km
- (viii) Whether the lease area coming in DLC report-No, as certified by Tahasildar, Remuna on 13.07.2023.
- (ix) Whether the lease area reflecting in DSR-Yes
- (x) Method of mining-semi-Manual, depth of mining-3.0 meter
- (xi) Distance from nearest road bridge-0.05 km, Village road-0.05 km, NH-16 is 50 meter, Electric Transmission line-50 m, Pond-100 m, River Embankment-50m, Village-25m
- (xii) Whether it is part of cluster – No
- (xiii) Whether EC obtained earlier-No.
- (xiv) Date of approval of mining plan- by the Mining Officer, Baripada vide letter no. Nil dt. 18.01.2021.
- (xv) Production capacity per annum-1206 cum/annum (max.), total production in 5 years period-6030 cum, Geological reserve-12210 cum and Mineable reserve-6030 cum.
- (xvi) The DSR has not been prepared as per the MoEF& CC, Govt. of India Notification S.O. 3611(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020 and as per the Hon'ble Supreme Court order vide its order dated 10.11.2021 in Civil Appeal Nos. 3661-3662 of 2020 (State of Bihar Vrs. Pawan Kumar and

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Others).

(xvii) Budget provision for EMP of Rs. 1.75 lakh/annum & Budget for Occupational Health and Safety of the workers (Lakhs) is Rs. 0.70 Lakh.

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

2. **Whether SEAC recommended the proposal** – The proposal was placed in the SEAC meeting held on 29th April, 01st, 02nd, 03rd & 04th May 2024 and **the** SEAC recommended to grant EC valid from the date of EC accorded upto the lease period with following additional conditions.

i) Plot no mentioned wrongly in DSR, as submitted, need to be certified and rectified by the DSR approving authority at the Distt level.

a. Consent / NoC shall be obtained from the concerned authority if village road is to be used for transportation. The said road shall also be maintained by the lessee.

b. In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured.

c. The boundary area of the deposit as per the updated DSR defined by geo coordinates based on DGPS survey be superimposed on the cadastral map.

ii) Plantation programme to be completed within first two years and to be maintained in remaining years.

Decision of Authority:

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PARIVESH 1.0, AGENDA No.04	
Proposal No.	SIA/OR/IND1/439385/2023
Date of application	16.08.2023
File no.	439385/46-IND1/08-2023
Project Type	New EC proposal
Category	B1
Project/Activity including Schedule No.	2(b) Mineral beneficiation
Name of the Project	Proposal for EC of M/s. Misrilall Mines Private Limited for establishment of 30 TPH capacity Chrome Ore Beneficiation Plant having throughput of 198000 TPA and annual Chrome Concentrate production of 97000TPA based on average grade 30% Cr ₂ O ₃ ,At : Pankapal, Village : Nimapali , Tehsil: Sukinda , District: Jajpur
Name of the company/Organization	M/s. MISRILALL MINES PRIVATE LIMITED UNIT FERRO ALLOYS DIVISION
Location of Project	Pankapal, Village : Nimapali , Tehsil: Sukinda , District: Jajpur
Date of ToR issued	02.08.2022
Name of Consultant	M/s Visiontek Consultancy Services (P) Ltd

Proposal in brief:

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

1. This proposal is for Environmental Clearance of M/s Misrilall Mines Private Limited for establishment of 30 TPH capacity Chrome Ore Beneficiation Plant having throughput of 198000 TPA and annual Chrome Concentrate production of 97000TPA based on average grade 30% Cr₂O₃, At : Pankapal, Village : Nimapali , Tahasil: Sukinda , District: Jajpur of Sri Ujjwal Kumar Sinha.
2. **Category:** The project falls under category “B” or activity 2 (b) - Mineral Beneficiation projects under EIA Notification dated 14th September 2006 as amended from time to time.
3. **TOR details:** Terms of Reference Letter issued by SEIAA, Odisha vide letter no:- 5081/SEIAA with File no.- SIA/OR/MIN/72028/2022 dated 02.08.2022.
4. **Public hearing details:** The Public hearing was held on the scheduled date i.e. 28th Feb 2023 near JCDL Campus near JCD-NIMZ, Pankapal, Kalinga Nagar under Sukinda Tahasil of Jajpur District, Odisha. Issues raised during the public hearing area employment, peripheral development, plantation, ground water depletion and environmental pollution. Total budget incurred for the action plan of public hearing is 13.15 lakhs.
5. **List of Statutory Clearances obtained earlier -**
 - a) Total Land of 2.22 Acres already acquired with patta.
 - b) NOC from CGWA: CGWA/NOC/IND/ORIG/2022/16552 on dated 26/09/2022
 - c) Obtained Non availability of surface water certified by state public Health Department.
 - d) Obtained Letter from DFO to PCCF for diversion of forest area about 0.9 Ha. for proposed COB Plant vide letter no. 3767/5F on dated 06.05.2023.
 - e) Obtained letter from Forest Range Officer (Tomka Range) vide letter no: 761 on dated 02/06/2023

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regarding absence of schedule-1 species of wild animal in and around the lease hold area.

6. **Location and Connectivity** – The proposed project will be established near the Ferro Chrome Plant of M/s. Misrilall Mines Pvt. Ltd. at village Pankapal, PS- Kalinga Nagar, Tehsil - Sukinda in Jajpur district of Odisha State. The geo coordinates of the project are Latitude 20° 55' 10.88" N and Longitude 86° 00' 45.90" E. The contour varies from 35.8 to 42.4 m MSL and the project falls under Survey of India bearing **Topo sheet no.** 73L/1, H/13,G/16 & K/4. The requirement of land for the proposed project is 0.9 Ha. It is owned by the Project proponent having Sabik Plot No. **1498/3243**. It is a patta land having kissam as non-forest (Pathara Khani) as per HAL and as per Sabik comparison, the proposed plot no. 1498/3243 is comes under jungle kisam. Nearest Railway Station is Jajpur Road Railway Station at a distance of 12 Kms from the Project site. Nearest Airport is Biju Pattnaik International Airport at 150kms. Nearest Major Habitation is Jhakhapura village. Nearest NH/ Highway is NH – 53. Nearest RF/PF is Dangadi Protected Forest (Open Mixed Jungle) at 8.27 Km, Sunajhara PF – Badasila (Open Mixed Jungle) at 5.31 Km and Barhagaria (Open Jungle) at 7.53Km. Nearest rivers are - Brahmani River at 3.39 km, Pandara Nadi at 5.53 km and Ganda Nadi at 8.30 km. The area falls in Seismic Zone – III which is under Moderate Damage Risk Zone.

7. **Baseline study conducted:** Baseline study was conducted within the period of March to May 2022.

Summary of Ambient Air monitoring: -

- a) **Particulate matter (PM₁₀):** The maximum value for PM was 91.8 µg/m³ observed at AAQ-8. The reason for high value may be due to presence of Bus stop and industrial area. The minimum value was 41.6 µg/m³ observed at AAQ-5 as there is no major activity nearby. The average value ranged from 80.7 µg/m³ to 43.7 µg /m³. 98th Percentile value ranged from 45.6 µg/m³ to 91.8 µg/m³.
- b) **Particulate Matter (PM_{2.5}):** The maximum value observed was 55.1µg/m³ at AAQ-8. Reason for the high value may be due to presence of bus stop and commercial area. Minimum value observed was 25 µg/m³ at AAQ-5. Average value ranged 26.2 µg/m³ to 38.77 µg/m³. 98th percentile ranged from 27.4 µg/m³ to 55.1 µg/m³.
- c) **Sulfur dioxide (SO₂):** The maximum value observed was 15.6 µg/m³ at AAQ- 6 whereas minimum value of 4.1 µg/m³ was observed at AAQ-5. The limits were well within the NAAQs standards. Average value ranged from 4.8 µg/m³ to 8.11 µg/m³. 98th Percentile value ranged from 5.6 µg/m³ to 15.6 µg/m³.
- d) **Oxides of Nitrogen (NO_x):** The maximum value observed was at 25.8 µg/m³ at AAQ-6 and the minimum value of 8.1 µg/m³ was observed at AAQ-5. The limits were well within the NAAQs standards. Average value ranged from 9.2 µg/m³ to 13.78 µg/m³. 98th percentile ranged from 10.8 µg/m³ to 25.8 µg/m³.
- e) **Carbon Monoxide (CO):** The maximum value of 0.88 mg/m³ observed at AAQ-6. The minimum value of 0.11mg/m³ was observed at AAQ-4. Average value ranged from 0.13 mg/m³ to 0.32 mg/m³. 98th Percentile value ranged from 0.16 mg/m³ to 0.88 mg/m³.
- f) **Ambient Noise:** The summary of the Ambient Noise Monitoring Result shows the Noise level within the permissible limits for all the locations. Ambient noise ranges from 43.6 dB(A) to 69.9 dB(A) during day time and 33.8 to 64.8 dB(A) during night time.
- g) **Surface Water:** The surface water quality parameters were analyzed at eight locations for three months i.e. from March 2022 to May 2022. The pH value ranged from 7.33 to 7.81, TDS value ranged from 144 to 612. Colour ranges < 5 Hazen to 10 Hazen. Electrical conductivity value is confined between 184 µS/ to 1511µS/cm. Dissolved oxygen ranging from 6.1 to 7.4 mg/l. Highest turbidity value is 8.1 NTU and lowest is 4.1 NTU. Chloride content - Highest value is 408.8 mg/l and lowest is 8.8 mg/l. The TDS value

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612.2 mg/l to 144 mg/l. Oil and grease levels 0.51 mg/l to lowest 0.084 mg/l. Biological Oxygen Demand (BOD) is within the permissible limits in and varies between 1.8 mg/l (SW-1) to 2.6 mg/l (SW-8). Chemical Oxygen Demand (COD) varies from 9.6 mg/l to 16.4 mg/l. All heavy metals like Arsenic, Lead, etc. are below detectable levels. Quality wise surface water is fit for regular use but for drinking purpose it needs to be treated.

- h) Ground water:** The odour and taste at all the locations are agreeable. The maximum turbidity being 3.2 NTU and minimum turbidity is 1.2 NTU. The pH value varies from 6.68 to 7.6. The Iron content is high 0.295 mg/l & minimum is 0.028 mg/l. Total hardness ranges from 108 mg/l to 130 mg/l. Chloride content ranges from 10 mg/l to 44 mg/l. TDS ranges from 2269 mg/l to 248 mg/l. Heavy metals such as Lead, Arsenic etc. is below BDL at all the locations. These values shows that ground water is safe for domestic purpose in surroundings of the project area, but for safer side it is recommended to treat the water before drinking use.
- i) Soil Environment:** The color of the soil in the study region is mainly of red and reddish brown with acidic type. The pH value ranges were from 6.24 to 6.84. The region has soil texture of sandy loamy type which indicated that sand content of the soil is higher and dominant of other components of the soil. Conductivity ranges from 132.9 μ S/cm to 192.6 μ S/cm. At the project location the soil is Sandy Loam and at all the other monitoring locations the soil is sandy loam. Porosity of the soil at all locations is observed to be in between 50%- 58%. Moisture content is found to be in between 5.2% to 8.6 %. Chloride ranges from 124 mg/kg to 166 mg/kg. Total potassium ranges from 416.2 mg/kg to 489.2 mg/kg. Nitrogen content varies from 124.8 mg/kg to 274.8 mg/kg. Organic carbon varies from 0.66 % to 0.91 %.
- j) Ground Water Level in the Buffer Zone:** The pre-monsoon depth of water level in the study area varies from 4.46 mbgl at Jenapur to a maximum of 9.47 mbgl at Hatibari with the average of around 6.59 mbgl. The post-monsoon depth of water level in the study area varies from 1.41 mbgl at Duburi to a maximum of 3.63 mbgl at Danagadi with the average of around 2.55 mbgl. The seasonal fluctuation of depth to water level ranges from 2.87 m at Jenapur to a maximum of 6.94 m at Ambasar with an average of around 4.04 m. The entire area shows a rising trend.
- 8. Raw material requirement:** The basic raw material is Low grade Chrome Ore which will be sourced from Odisha Mining Corporation (for which we have obtained necessary registration from OMC) and also from other mining resources from India and abroad. The raw material required for the project is low grade chrome ore having chromium content ranging from 20 to 40 % Cr₂O₃.
- 9. Process description:** The Plant is based on gravity separation process with a feeding capacity 30 TPH comprises of feed Hopper, Reciprocating feeder, Primary Jaw Crusher and Hammer Crusher , Grinding Unit like Rodmill , conveyors, single deck Wet screening unit, and processing unit consist of slurry pumps, water pumps, stub cone and long cone hydro cyclones, dewatering cone, Fluidised Bed Concentrator (FBC), Rougher spirals, Cleaner Spirals, Tailings Scavanger Spirals and Tailings Cleaner Spirals, Shaking Table(Tripple deck) stock piling areas, Ground water reservoir, Zero discharge Tailings Pond .
- 10. Standard procedure:** Chemical dosing system will be there near the 1st settling tank and dosing done according to requirement at tank No-1. The water of the COB process and tailing may hazardous in nature due to the presence of chromium. If hexavalent Chromium factor arises, then it is to be neutralized by adding a ferrous sulfate solution to the process to detoxify hexavalent chromium and convert into trivalent chromium which is not harmful. Ferrous iron added for reduction of hexavalent chromium is being oxidized to ferric iron and subsequently precipitated as Ferric Hydroxide. Polyelectrolyte is added to enhance settling of the precipitate and suspended solids.

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11. Total water requirement and waste water management: About 90 KL/day of water will be required for the process as make up water which will be drawn from Ground water. Water requirement of the process (Make up water) will be 80 KLD, Dust suppression and other necessary work 5 KLD, and about 5KLD will be used for drinking water. The company obtained necessary approval from Central Ground Water Board to draw 95 KLD Water.

Sl.	PARTICULARS	QUANTIT Y	SOURCE
i)	Process Water Requirement (Make Up Water)	80 KLD	Ground water
ii)	Dust suppression and other necessary work	5 KLD	Ground water/treated water
iii)	Drinking Water	5 KLD	Ground water

12. Power Requirement and solar power details: The proposed Chrome Ore Beneficiation Plant requires a contract demand of 500 KVA. The existing Ferro chrome plant has a dedicated 132KV Double Circuit line from Old Duburi Substation from an Independent Bay. Power can be obtained from the Ferro Chrome plant substation with necessary statutory permission.

13. Rain water harvesting details: The total runoff available from Rooftop will be around 3529 cum/annum, which can be stored in the reservoir pit in the industry premises, and runoff available from road & Paved area will be approx. 3176 cum/annum which will be used to recharge the ground water via recharge pit after treatment.

Location	Area in Sq.m	Rainfall per annum (m)	Runoff coefficient	Total Harvestable quantity (Cu.m)/ Annum	
Corrugated Roof	2385	1.557	0.9	3342.101	3529
Roof top	150	1.557	0.8	186.84	
Paved area and Road	2040	1.557	0.6	1905.768	3727
other areas	1425	1.557	0.4	887.49	
Green area	3000	1.557	0.2	934.2	
Total	9000				

14. Greenbelt Development: Green belt area provided more than 33% of the total plot area (3000 sqm)

The PP initiated the plantation program along the boundary, near the material storage area and office building. About 50 saplings of Teak, Chakunda, Neem, Simarouba, Hibiscus, Nerium etc.

PROPOSED GREEN BELT PLAN

Location	Area Under Plantation	No. of saplings Planted	Species Proposed
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Green Belt around the plant boundary	3000 SQM (9m width)	750	<i>Dalbergia sisoo, Cassia siamea, Gmelia arborea, Tectona grandis, Alstonia scholaris, Azadirachta indica, Bamboo sps, Mangifera indica, Phyllanthus emblica, Punica granatum, Psidium guajava, Mimosops elengii, Hibiscus rosa sinensis, Nerium oliander</i>
Open space plantation		20	<i>Cassia siamea, Tecoma sps, Hibiscus sps, Nerium sps, Nyctanthes etc.</i>
Plantation along the internal Road		15	<i>Dalbergia sisoo, Cassia siamea, Gmelia arborea, Acacia sps, Tectona grandis, Alstonia scholaris</i>
Near COB plant		35	<i>Mimosops elengii, Alstonia scholaris, Cassia siamea, Gmelia arborea</i>
Total		3000	820
The proposed Green belt will be developed within 2 years of the plant operation			

15. **Solid waste generation and management:** The solid waste generated will be in form of Tailings mud. The quantity of Tailings will be 1,01,000 TPA. Dry cake of COIBP tailing will be utilised to fill up low lying areas of Ferro chrome plant area, subjected the said materials do not contain any toxic materials. Some studies are in pipeline to have commercial use of tailings. Till then, they will be handed over to Ramkey for preservation/disposal of the same. They have registered in Ramkey, since long for such disposal of Hazardous wastes. Other solid wastes like waste cottons, empty bags, rejected gaskets, empty bottles, band jerry canes, steel structures and rejected spares of process equipment etc., generated may have scarp value and shall be disposed off with price realization to the authorized vendors. Used oil will be disposed to authorized reprocessing units having valid authorization from Odisha State Pollution Control Board.

16. **Manpower requirement:** The Plant would operate for about 330 days in a year. The estimated requirement of employment is about 50 employees (direct and indirect) to operate the plant

17. **Project Cost:** The Project cost of the proposed project is Rs. 560 lakhs and EMP cost is Rs.60.00 lakhs (Capital cost) and Rs.12 lakhs (Recurring cost).

SL. NO.	DETAILS	Cost in Lakhs
1	Land Labeling and Civil Construction	100
2	New Equipment procurement	250
3	Electrical and Automation	100
4	Installation and commissioning	50
5	Environment Management Plan	60
	TOTAL	560

Table: EMP cost

S. NO	HEADS	CAPITAL COST (RS. IN LAKHS)	RECURRING COST PER ANNUM (RS. IN LAKHS)
i)	Air Pollution Control	20.00	
ii)	Water Pollution Control	20.00	
iii)	Environment Monitoring and Management	-	5.00
iv)	Occupational Health	3.00	1.00
v)	Green Belt	2.00	1.00

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vi)	Others (House Keeping & Remedial Activities)	5.00	3.00
vii)	Fund allocated for Corporate Environmental Responsibility (CER).	10.00	2.00
Total		60.00	12.00

18. **Environment Consultant:** The Environment consultant **M/s Visiontek Consultancy Services (P) Ltd., Bhubaneswar** along with the proponent made a presentation on the proposal before the Committee.

19. The SEAC in its meeting held on dated **01-09-2023** decided to take the decision on the proposal after receipt of the following from the proponent.

20. The proponent has uploaded only the Final EIA Report as compliance report in Parivesh 1.0 and has send all the queries raised by the SEAC in seac.odisha.2019@gmail.com which has been verified the same as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of SEAC
1.	Permission letter from the Water Resources Department for the use of ground water as the water usage is too high i.e., 90 KLD.	<p>About 90 KL/day of water will be required for the process as make up water which will be drawn from Ground water. Water requirement of the process (Make up water) will be 80 KLD, Dust suppression and other necessary work 5 KLD, and about 5KLD will be used for drinking water. The company obtained necessary approval from Central Ground Water Board to draw 95 KLD Water.</p> <p>Already gets the permission from the Water Resources Department for consumption of 90 KLD and in conversion it will be 4.5 KLH which is very negligible for run a plant.</p> <p>Process water Balance table is submitted in compliance report.</p> <p>Process Water Requirement - 80 KL/HOUR Water Reclaimed To Reservoir - 76 KL/HR Make Up Water Requirement - 4 KL/HOUR(80 KLD)</p> <p>We proposed to collect the rain water from roof of office and Plant building to one point within the plant premises .We arrange harvesting/artificial</p>	Copy of Permission letter from the Water Resources Department for the usage of ground water is not submitted.

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		recharge of the rain water. The total Runoff available from Rooftop will be around 600 to 1000 cum/annum, which can be stored in the reservoir pit in the industry premises, and runoff available from road & Paved area will be approx. 4000 cum/annum which will be used to recharge the ground water via recharge pit after treatment.	
2.	The proponent shall not use the dry tailing in land fill. The PP shall carry out a mineralogical analysis of the tailings, determine the solutes for the presence of Hexavalent Chromium and carry out sludge quantification and chromium balance and accordingly, decision to be taken for disposal of tailings to TSDF if applicable. If the proponent will store the dry stacking of tailings, then it should be lined by geotextile membrane along with engineering designs so that leaching won't take place. If the Project Proponent determines to use dry tailings for landfill process, then complete description of the whole process to be submitted. If Project Proponent proposes to handover COB tailings to Ramky, then supporting documents to be submitted.	The conversion from Hexavalent Chromium to Trivalent Chromium will be done by the treatment of Ferrous sulphate solution before the generation of tailing and the tailing will be dumping on impervious ground (Concrete floor) & also its testing will be carried out and its report time to time will be produced to SEAC before disposal. We have obtained permission and made agreement with M/s. RE SUSTAINABLILITY LIMITED (Previous known as M/S RAMKY) for disposal of tailing. A copy of Agreement made with M/S. RE SUSTAINABILITY LIMITED is enclosed in Annexure- Point-2	Agreement copy submitted.
3.	The proponent shall provide the complete material balance with quantity for Chromium along with its sludge disposal plan for the tailings of COB plant.	The complete material balance report with Quantity of Concentrate Chromium along with its Quantity of slug or tailing disposal plan of COB plant is submitted in compliance report. Material Balance Flow Chart in the Preliminary Stage which will be operate in the Plant with the following capacity as per the Tailing disposal capacity. Annual Feed (36% Cr ₂ O ₃) : 1,71,000 MT Product considering 54% Cr ₂ O ₃ : 102,000 MT	Material Balance submitted.

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		Tailing for disposal 9.5 % Cr ₂ O ₃ : 68,000 MT	
4.	The SEAC suggested for separate land acquisition for handling of tailings of COB plant, as currently 0.9Ha. project land will be insufficient for the landfill purpose of tailings.	For the time being we have made Agreement with M/s Re Sustainability Limited towards disposal of tailing. In the meantime PP will acquire land nearby for disposal of tailing in proper guidelines of SEAC.	For the time being the PP had made Agreement with M/s Re-Sustainability Limited.
5.	The proponent shall furnish detailed land use breakup including greenbelt development and other plant facilities, storage of raw material, product and tailings.	Land Break up of core zone is submitted in compliance report. Based on available data, the land use pattern of the core zone area is observed that land put under existing green belt is about 10 % and proposed green belt will be 23 % of total project area (2.22 Acre). The Plant facilities under defined project area are about 45%. The internal roads are covering an area about 7.59% of total core zone.	-
6.	The Proponent shall provide Surface Runoff Management/Treatment Plan for the whole plant to collect the runoff in monsoon.	Total Harvested rain water calculated – 7256cum	-
7.	Copy of application along with supporting documents to know the current status of Forest Clearance applied for 0.9Ha.	Requirement of Land: The requirement of land for the proposed project is 0.9 Ha. It is owned by the Project proponent having Sabik Plot No. 1498/3243. It is a patta land having kissam as non-forest (Pathara Khani) As per HAL and Sabik comparison the proposed plot no. 1498/3243 is comes under jungle kissam. So we are applied for Stage -1 forest clearance. File was forwarded to PCCF by letter no. 3767 on dated 16 May 2023. Copy of application along with supporting documents is attached as	The current status of Forest Clearance applied for 0.9Ha. - File has been forwarded to PCCF by letter no. 3767 on dated 16 May 2023.

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		Annexure -point-7	
8.	Include the compliance of the Specific TOR in EIA and submit the revised EIA report.	Compliance of the Specific TOR in EIA and the revised EIA report is submitted as Annexure-point-8	Final EIA/EMP is submitted.
9.	Traffic study report should be vetted by institute of repute.	Vetted Traffic study report is attached as Annexure-point-9	Traffic Study is not vetted. LOS is found to be "B".
10.	Transport vehicles carrying the materials should be properly covered while plying through the transportation routes.	Whenever transport will be carried out, the carrying material will be covered properly with proper clamping and sealing, so that no material can be disposed or waste outside which will be strictly followed while playing through the transportation route.	-
11.	Avoid recharging of rainwater, as it might contain hexavalent Chromium rather than use the rain water collected in plant.	Recharging Rain water will be collected in the Rain Water Harvesting pond & then pumping to treated and used for COB process plant operation	-
12.	Previously, there was a Beneficiation Plant in the same location. Present status of that beneficiation plant and proposed plan for operation of the existing Beneficiation Plant.	No Beneficiation plant was there on the applied location of the Project. During Auction process M/s. TATA obtained the lease and the dismantled COB plant which was functioned previously located at Saruabil Chromite Mines of M/s. Misrilall Mines Pvt. Ltd. at a distance of 40Km from the applied Project area being shifted by transportation. All machinery, spares and other infrastructures are kept inside the existing Ferro Chrome Plant Boundary.	-
13.	Detailed proposal for Zero Liquid Discharge (ZLD).	Zero Liquid discharge will be settled through 5 Nos. of Tailing pond followed by the Chemical treatment and Tailings were settled in the Zigzag manner and in the 5 th pond only available of fresh water which recovered the 95% of feed Process water to the plant and then pumping it to recirculation for operation of the plant. So no water go outside from the plant. Hence we will get the Zero	-

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		Discharge Liquid (ZLD) water.	
14.	Proponent was mentioning about dry storage of tailing which is not the common practice due to associated dusting pollution. Thus, the PP needs to provide current tailing ponds dimensions, its capacity, current status, proposed tailing pond dimension, capacity and management of tailings with Cr+6. All the above to be provided in a layout and if required a visit could be made.	The Annual Tailing generation will be 68000 MT having grade of 9.5 % Cr ₂ O ₃ from Feed quantity 1,71,000 MT of ROM having grade 36 % Cr ₂ O ₃ . We have made agreement with M/S. RE SUSTAINABILITY LIMITED towards disposal of 60,000MT of dry tailing. There will be buffer stock of tailing at plant site for which space proposed of impervious ground 18x17Mt i.e., 1260 sq.mt which can accommodate another 10000Mt Approx. of dry tailing considering 5 Mt height.	-
15.	Since tailings containing Cr ⁺⁶ are hazardous and sizeable quantities would be generated almost on daily basis, the plan of dry disposal through authorized agency is a not viable option. The PP needs to elaborate in case they still plan to do so and the agency capabilities for such wastes, its management in details to be submitted for further verification if required.	As we treated with Chemicals before generation of Tailings, so there is less chance of getting Cr+6 (Hexavalent Chromium). However, if the tailing contains Cr+6, then the same will be treated to convert Cr3 and the same will be disposed to Certified Authorized Agency M/s Re Sustainability Limited with whom we have made agreement for disposal of the same.	-
16.	Levels of chromium in the ground water samples collected from the study area for preparation of the EIA/EMP report to be recorded and they will be used as references for monitoring possible ground water contamination during operation phase of the project.	After running of COB Plant, the level of Chromium in the ground water will be collected from the study area for preparation of EIA/EMP report to be recorded and they will be used as reference for monitoring.	-

21. The SEAC observed that the proponent has uploaded only the Final EIA Report in compliance report in online system and has send all the queries raised by the SEAC to the official mail ID - seac.odisha.2019@gmail.com.

Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 29.04.2024 and the SEAC Considering the information furnished and the presentation made by the consultant **M/s Visiontek Consultancy Services Pvt. Ltd., Patia** along with the project proponent, the SEAC recommended for grant of Environmental Clearance valid for 10 years with stipulated conditions as per **Annexure – A** and following specific conditions. **However, the Environmental Clearance shall be issued by the SEIAA, Odisha after receipt of Stage-I Forest Clearance from the proponent as stipulated in**

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MoEF&CC, Govt. of India office memorandum no. J-11013/41/2006-IA.II(I), dated 09.09.2011 and office memorandum no. J-11013/41/2006-IA.II(I), dated 18th May, 2012 and after they upload other documents in online portal.

- i) The proponent shall obtain permission from the Water Resources Department for the usage of ground water.
- ii) Traffic Study Report shall be vetted by institute of repute.
- iii) The waste water that will be generated from the tailings shall be treated in ETP wherein hexavalent Chromium shall be reduced to trivalent Chromium by dosing it with appropriate standard chemical following due technical procedure.
- iv) The PP shall obtain NOC to use the Panchayat roads from the concerned BDO for transportation of both input materials and finished products including the responsibility of maintaining the road if damaged by such transportation.
- v) As the PP will implement the dry stacking of tailings, there will be trickling down of effluent. Also during rain, the leached effluent from stack will trickling down. PP shall ensure collection of these effluents for treatment with routine analysis to ensure satisfying the standard before it is discharged. All data shall be kept for periodical compliances.
- vi) The PP shall make all efforts to adopt ZLD.
- vii) **As per the information given in the final EIA/EMP report the proposed project is for chrome ore (20 to 40% Cr₂O₃) beneficiation plant having throughput of 1,98,000 TPA (30 TPH) for producing chrome ore concentrate (Cr₂O₃ > 50%) of 97000 TPA. The production of chrome ore tailings containing Cr₂O₃ in the range of 8.5 – 9.5% is estimated to be 1,01,000 TPA. The report states that the tailings will be used for constructing roads inside the plant as well as will be given for making highways and the surplus of any will be given M/s RE SUSTAINABILITY LIMITED (Ramkey group). The project proponent has entered into agreement towards disposal of only 60,000MT of dry tailings with M/s RE Sustainability Limited, who is authorised to handle hazardous waste under the “Hazardous and other wastes (Management & Transboundary Movement) Rules 2016.” Note under Schedule I of the above-mentioned rule states that *“The high-volume low effect wastes such as fly ash, Phosphogypsum, red mud, jarosite, Slags from pyrometallurgical operations, mine tailings and ore beneficiation rejects are excluded from the category of hazardous wastes. Separate guidelines on the management of these wastes shall be issued by Central Pollution Control Board.”***
The chrome ore tailings being mine tailings M/s RE Sustainability Limited is not authorised to handle the chrome ore beneficiation plant tailings, The project proponent has capacity to hold only 10000 MT tailings inside its plant premises. The project proponent shall prepare a long-term action plan for utilization and management practice of tailings and submit the same before going for construction activities.
- a) **Construction of road, highway using chrome ore tailings is not permitted owing to the hazard of hexavalent chromium leaching to adjacent water bodies and the ground water. Entire volume of generated chrome ore tailings needs to be handled, stored and utilised in an environmentally sound manner such as manufacture of chrome bricks for utilisation in industries, long term storage in engineered pits with impermeable lining etc.**

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Decision of Authority:

PARIVESH 1.0, AGENDA No.05	
Proposal No.	SIA/OR/MIN/439359/2023
Date of application	09.08.2023
File no.	439359/595-MINB2/08-2023
Project Type	New EC proposal
Category	B1
Project/Activity including Schedule No.	1(a) Mining of Minerals
Name of the Project	Proposal for EC of Khemabeda Decorative stone mines over an mining lease area of 4.755Ha. The Total cluster area is 9.696 Ha. located in village Khemabeda, Tahasil - Boipariguda, District - Koraput of Sri Hotha Venkatesh
Name of the company/Organization	VENKATESH HOTHAS
Location of Project	village Khemabeda, Tahasil - Boipariguda, District - Koraput
Date of ToR issued	02.08.2022
Name of 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 Khemabeda Decorative stone mines over an mining lease area of 4.755Ha. The Total cluster area is 9.696 Ha. located in village Khemabeda, Tahasil - Boipariguda, District - Koraput of Sri Hotha Venkatesh.
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. Letter of Intent from Govt. of Odisha, Dept. of Steel & Mines, has issued vide letter no. 1484 / SM-NC2-MC0002-2021 / **S&M**, Bhubaneswar, on dated **08.02.2021** for grant of mining lease of 4.755 Ha.
4. Successful bidder is Sri Hotha Venkatesh residing at H. No. 16.31-IXMI-203 9th Phase, Near Community Ground, KPHB colony, Hyderabad for a period of 30 years.
5. The Mining Plan along with the PMCP for 4.755 ha. was approved by Director of mines, Bhubaneswar vide letter No. MXXII-(b) 12/2021 9441/DM dated 02.12.2021.
6. This source is not present in the DSR report of the district, as this is newly demarcated source by mining department.
7. Another mine i.e., Khemabeda Decorative stone over an area of 4.941Ha. is located within the 500m from the proposed project so the project comes under cluster approach with total area of 9.696Ha. Cluster certificate has been issued by Mining officer, Koraput, Odisha.
8. **TOR details:** Approved Terms of Reference (TOR) was issued by SEIAA, Odisha vide letter no. 5085/SEIAA (SEIAA File No. SIA/OR/MIN/73400/2022), Odisha dated 02.08.2022.
9. **Public hearing details:** The public hearing of Khemabeda Decorative Stone mines cluster was conducted on Dtd.08.02.2023 at 11:00 A.M. at village Khemabeda under Boipariguda Tahasil of Koraput, Odisha.

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Major issues raised during the meeting are: - protection of agricultural land due to vehicles movement, construction of boundary wall and mandap for village Temple, school boundary, drinking water supply to villages and school, employment of local youths / villagers on priority basis in the Mines, construction of school for children, Installation of mobile tower so that the children will online education, repair of road in the area, Yearly health camps and plantation activities in the area, Guard walls on the bridge, Ambulance facilitation. Budget allocated towards public hearing is 22.66 Lakhs.

- 10. Location and connectivity:** Khemabeda Decorative Stone mines cluster is situated at Village Khemabeda No.200, Tahasil - Boipariguda, District - Koraput, Odisha State. The proposed project area of 4.755Ha. is bearing Khata No. 315, Plot No-1355/p and the other mine area of 4.941Ha. is bearing Khata no. 315, Plot No-1355,1356,1360. The cluster area is coming under Parbat Kissam and type of land is Abada Ajogya Anabadi. The project site falls in survey of India Toposheet no.65J/6 (E44K6).The area of 4.755Ha. having geo coordinates as follows - latitudes 18°38'09.67" N to 18°38'15.09 N & longitudes 82°24'5.59" E to 82° 24' 16.79" E. The other mine area of 4.941Ha. have geo coordinates as latitudes 18°38'13.9" N to 18° 38'21.8" N & longitudes 82°24'18.6" E to 82°24'26.8". The nearest railway station is Koraput Railway Station at an aerial distance of 37 Km. The lease area can be approached from NH- 5 & SH- 25 at 38 Km & 6.2 Km. The nearest water body is Nagavalli River at 8.2 Km and nearest Reserved Forest is Dasamatpur RF – 5.0 Km and nearest Village is Khemabeda Village – 2.5 Km. The Project is not located within Eco-Sensitive Zone (ESZ) or Eco-Sensitive Area (ESA) notified by the MoEF&CC. The nearest sanctuary is Karlapat Wildlife Sanctuary is situated 98km distance from the lease area.
- 11. Reserves and total production:** Total geological reserves of the 4.755Ha. mine will be 358480 cum and mineable reserves is 252128.40cum. Total geological reserves of the 4.941Ha. mine will be 579955 cum and mineable reserves is 425181cum. Total production in 5years is 3500cum and cluster production will be 4700cum/annum.
- 12. Mining method:** Opencast semi mechanized method with the deployment of Machines like Jack Hammer Drill, Compressor, Hydraulic Excavators & Tippers will be adopted for excavation of the mine. Volume of Decorative Stone will be 700 (cum)/annum. Maximum depth of excavation will be up to 630mRL and ground level is at 610mRL. The loaded vehicles will cover distance of approximately 10km to meet SH 25.
- 13. Waste generation and management:** Total intercalated waste from proposed Granite during 5 years of plan period is 13440m³. Out of total waste, 40% of the waste will be used for construction and maintenance of the road i.e., 5376m³. Remaining 806 m³ waste will be dumped in the dump area at an average height of 2.5m in an area of 3301m³.
- 14. Water Requirement:** Total water requirement is 7 KLD out of which dust suppression is 2 KLD, Plantation is 3 KLD and drinking/ domestic is 2 KLD.
- 15. Power Requirement:** DG set will be used for total power requirement.
- 16. Baseline Study:** Baseline study conducted in period March 2022 to May 2022.

PERIOD	March to May 2022	Applicable Standards
Air Quality Parameters At 8 Locations	PM _{2.5} –16.7 to 30.6 µg/cum	60 µg/cu.m
	PM ₁₀ – 34.3 to 56.2µg/cum	100 µg/cu.m
	SO ₂ – 5.2 to 9.9 µg/cum	80 µg/cu.m
	NO _x – 9.1 to 19.5 µg/cum	80 µg/cu.m

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Ground water Quality at 5 Locations	pH – 6.6 to 7.3	6.5 to 8.5
	Total Hardness – 36 to 72 mg/l	600 mg/l
	Chloride - 10.0 to 18.0 mg/l	250 mg/l
	Fluorides – 0.05 to 0.96 mg/l	1.5 mg/l
	TDS – 80 to 140 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 – 6.7 to 7.0	
	Dissolved Oxygen – 7.1 to 7.5mg/l	
	Biochemical Oxygen Demand – 1.5 to 2.5 mg/l	
	Chemical Oxygen demand – 6 to 15 mg/l	
Noise at 8 locations	Day (dBA Leq)- 35.9 to 45.7	55
	Night (dBA Leq) - 29.0 to 36.1	45
Soil Quality at 4 locations	pH – 6.10 to 6.7, Potassium – 43 to 87.4 kg/Ha., Phosphorous –19.8 to 40.8 kg/Ha., Total Organic Carbon % – 0.85 to 0.98, Electrical Conductivity - 65 to 80 µs / Cm.	

17. **Greenbelt Development:** During the period of 5years there are 2500no. of saplings will be planted both sides of the road and safety zone of the project side.

18. **Manpower:** Total 47 no. of employees will be required for the cluster and for the proposed mine manpower requirement is 22 nos.

19. **Project Cost & EMP cost:** Project cost of the cluster is Rs. 500 Lakhs. For Environment management Plan: Capital cost of the project 6.0 lakhs per each mine and recurring cost is 6.2 lakhs per each mine.

20. **Environment Consultant:** The Environment consultant **M/s Kalyani Laboratories Private Limited, Bhubaneswar** along with the proponent made a presentation on the proposal before the Committee.

21. The SEAC in its meeting 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:

S l. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of SEAC
1.	Rectify the discrepancy between the lease area mention in Approval Letter of Mining Plan	Khemabeda Decorative Stone mine cover 11.75 acres or 4.755 Ha of land. Due to clerical mistake in the	Corrected copy submitted

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	(4.775 ha.) and area applied for EC i.e., 4.755 ha. and revise the same from the mining officer.	approved mining plan letter was written as 4.775Ha, which was corrected letter. The rectify letter approved by Joint Directors of mines of Koraput Circle, Koraput has been given as a Annexure I.	
2.	The proponent shall ensure that the topsoil excavated shall be stored in an earmarked area and the same shall be used in waste land filling along with plantation on it. A detailed proposal to this effect to be submitted.	The lease area is a rocky area with granite exposed area. There is no top soil present in the lease area. However, during the mining if any soil excavated that will be stores along the boundary of the lease area i.e., in the safety zone and used for plantation purpose.	-
3.	Copy of DSR with inclusion of proposed sairat source in DSR.	Copy of approved DSR attached as Annexure -2. Serial No - 28, Page No-43.	Copy submitted

Considering the information furnished and the presentation made by the consultant, **M/s Kalyani Laboratories Private Limited, Bhubaneswar** along with the project proponent

2. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 29.04.2024 and the , the SEAC recommended for grant of Environmental Clearance upto lease period with stipulated conditions as per **Annexure – B and following additional conditions;**

- i) Haulage road shall be developed and maintained perennially and perpetually by the proponent in consultation with the concerned authority of the Govt.
 - ii) The project proponent shall maintain periodic health check-up records of their employees and ensure use of face mask by workers in crushing and handling sections of the decorative stone quarry for ensuring that working personnel are not affected by silicosis.
 - iii) The project proponent shall follow proper procedure as advised by Forest Deptt. for tree felling or transplantation of those tress within safety zone. Provision for compensatory afforestation must be done by equal number of plantations in consultation with Forest Deptt.
 - iv) 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.
- b) Detail risk and hazard management procedure as per the **Annexure – C** shall be followed by the lessee

Decision of Authority:

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PARIVESH 1.0, AGENDA No.06	
Proposal No.	SIA/OR/MIN/408631/2022
Date of application	24.05.2023
File no.	408631/989-MINB2/11-2023
Project Type	New EC proposal
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for EC of Thelakudar Stone Quarry-2 over an area 2.30aces or 0.930 hectares in Thelakudar village under Koira tahasil of Sundargarh district, Odish
Name of the company/Organization	Sri Katakata Janagaya Narayana Prusty
Location of Project	Thelakudar village under Koira tahasil of Sundargarh district, Odish

1. Proposal in brief:

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

- (i) This is a proposal for mining of stone from Thelakudar Stone Quarry-2 over an area 2.30aces or 0.930 hectares in Thelakudar village under Koira tahasil of Sundargarh district, Odish.
- (ii) The mining area is a part of Survey of India Toposheet No. F45M13 and is bounded between the Latitude-21°59'06.73"N to 21°59'08.52" N and Longitude – 84°57'56.66"E to 84°58'01.48" E bearing Khata no. 26 , Plot No. 126/P, Kissam-Pahad
- (iii) The mining lease is an identified sairat source in the DSR. The Thelakudar Stone Quarry-2 sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Koira to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- (iv) Documents submitted: -Form-1, EMP, PFR, DLC, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, Koira, topo map etc.
- (v) Whether submitted KML file of the lease area-Yes
- (vi) Whether submitted scrutiny fee-Yes of Rs. 1000/- vide e Challan Reference Id no. 35BDBD331F dt. 16.08.2023
- (vii) Distance from nearest sanctuary/ESZ- Ushakothi WLS-76.0 Km
- (viii) Whether the lease area coming in DLC report-No, as certified by Tahasildar, Koira on 17.11.2022.
- (ix) Whether the lease area reflecting in DSR-Yes
- (x) Method of mining-semi-mechanized and both drilling and blasting will be done
- (xi) Distance from nearest road bridge-2.2 km, Village road-1.5 km
- (xii) Whether it is part of cluster – Yes, Thelakudar Stone Quarry-1 coming under cluster having lease area 4.046 Ha EC granted by DEIAA, Sundergarh on vide letter no. 96, dt.14.03.2019. Cluster EMP submitted with budget provision of Rs. 1.30 Lakh/annum
- (xiii) Whether EC obtained earlier-Yes. by DEIAA, Sundergarh on 14.03.2019
- (xiv) Date of approval of mining plan- by the Deputy Director of Mines-Cum-Authorized Officer, Koira vide letter no. 3020 dt. 30.09.2022
- (xv) Production capacity per annum-12000.8 cum/annum (max.), total production in 5 years period-60004 cum, Geological reserve-186669.2 cum and Mineable reserve-81686.4 cum.
- (xvi) The DSR has not been prepared as per the MoEF& CC, Govt. of India Notification S.O. 3611(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020 and as per the Hon'ble Supreme Court order vide its order dated 10.11.2021 in Civil Appeal Nos. 3661-3662 of 2020 (State of Bihar Vrs. Pawan Kumar and Others).
- (xvii) Budget provision for EMP of Rs. 1.30 lakh/annum

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(xviii) This is a violation case and the PP has submitted Proforma-2

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

2. **Whether SEAC recommended the proposal** – The proposal was placed in the SEAC meeting held on 29th April, 01st, 02nd, 03rd & 04th May 2024 and the SEAC observed the following:

i) As per letter no. 1670 dated 14.08.2023 of Tahasildar Koida penalty amount is 16,90,000 and quantity is 495000 cum but now reported penalty amount is 17,40,000 and quantity is 475000cum. Reasons for such difference are not clear.

ii) As per Mining Plan approved on 30.09.22 total minable reserve was 81686.4 cum. As per letter no 1670 dated 14.08.23 period of violation is 1.6.21 to 31.3.23 and material illegally taken is 495000 cum. Certificate from competent mining official is required to confirm availability of material to be excavated.

iii) As per proforma-2 this is a case of violation. SOP for the same is not in force at present.

Hence **SEAC decided to return the proposal to SEIAA for necessary action.**

Decision of Authority:

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PARIVESH 1.0, AGENDA No.07	
Proposal No.	SIA/OR/MIN/405459/2022
Date of application	04.02.2023
File no.	405459/872-MINB2/02-2023
Project Type	New EC proposal
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for EC of Ganganapur-A Stone Quarry over an Area of 6.725 Acre or 2.721 Ha. at Village/Mouza-Ganganapur, Tahasil-Purushottampur, Dist- Ganjam in favor of Sri Manoj Kumar Behera.
Name of the company/Organization	Sri Manoj Kumar Behera.
Location of Project	Village/Mouza-Ganganapur, Tahasil-Purushottampur, Dist- Ganjam

1. Proposal in brief:

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

- (i) This is a proposal for mining of stone from Ganganapur - A Stone Quarry over An Area Of 6.725 Acre Or 2.721 Ha. At Village / Mouza- Ganganapur, Tahasil- Purushottampur, Dist- Ganjam.
- (ii) The mining area is a part of Survey of India Toposheet No. – 74A/14, 74A/1 and is bounded between the Latitude- 19° 31' 00.56" N to 19° 31' 05.49" N, Longitude – 84° 47' 56.25" E to 84° 48' 4.67" E, bearing Khata no. 810 , Plot No. 2391, Kissam-Parbat
- (iii) The mining lease is an identified sairat source in the DSR. The Ganganapur-A Stone Quarry sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Purushottampur to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- (iv) Documents submitted: -Form-1, EMP, PFR, DLC, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, Purushottampur, topo map etc.
- (v) Whether submitted KML file of the lease area-Yes
- (vi) Whether submitted scrutiny fee-Yes of Rs. 1000/- vide e Challan Reference Id no. 33767CDD18 dt. 31.10.2022
- (vii) Distance from nearest sanctuary/ESZ- Nalabana WLS-56.0 Km
- (viii) Whether the lease area coming in DLC report-No, as certified by DFO, Brahmapur letter no.993 dt. 01.02.2021.
- (ix) Whether the lease area reflecting in DSR-Yes
- (x) Method of mining-semi-mechanized and both drilling and blasting will be done
- (xi) Distance from nearest road bridge-2.86 km, **Village road-0.11 km**
- (xii) Whether it is part of cluster – No
- (xiii) Whether EC obtained earlier-Yes, by DEIAA., Ganjam vide letter no. 1748 dt. 26.09.2016
- (xiv) Date of approval of mining plan- by the Deputy Director of Geology, South Zone, Berhampur vide letter no. nil dt. 09.09.2022
- (xv) Production capacity per annum-5951 cum/annum (max.), total production in 5 years period-29755 cum, Geological reserve-276657 cum and Mineable reserve-223374 cum.
- (xvi) The DSR has not been prepared as per the MoEF& CC, Govt. of India Notification S.O. 3611(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020 and as per the Hon'ble Supreme Court order vide its order dated 10.11.2021 in Civil Appeal Nos. 3661-3662 of 2020 (State of Bihar Vrs. Pawan Kumar and Others).
- (xvii) Budget provision for EMP of Rs. 2.50 lakh (Capital Cost) and Rs. 0.35 Lakh/annum (Recurring

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Cost).

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

2. **Whether SEAC recommended the proposal** – The proposal was placed in the SEAC meeting held on 29th April, 01st, 02nd, 03rd & 04th May 2024 and the SEAC recommended to grant EC valid from the date of EC accorded up to the lease period with following additional conditions.
- i) Consent / NoC shall be obtained from the concerned authority if village road is to be used for transportation. The said road shall also be maintained by the lessee.
 - ii) In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured
 - iii) Plantation programme to be completed within first two years and to be maintained in remaining years.
 - iv) Depth of Mining as proposed should not be beyond 6m from the ground level.
 - v) Mitigation measures for flying Rock for safety be put in place.
 - vi) Stone quarry project proponent need to maintain periodic health check-up records of their employees and ensure use of face mask by workers in crushing and handling sections of the stone quarry for ensuring that working personnel are not affected by silicosis.
 - vii) The boundary area of the deposit as per the revised / updated DSR to be defined by geo coordinates based on DGPS survey superimposed on the cadastral map.
 - viii) Construction of garland drains retaining wall and settling tank should be ensured to prevent erosion during rainfall and to collect silt generated during the mining activity.
 - ix) All removed topsoil to be stacked and used for plantation in the surroundings of mining area / post mine closure in the mined-out area.
 - x) All recommended precautions for blasting operations to be followed. Blasting to be done by DGMS approved agency. No explosives to be stored at the mining lease site.

Decision of Authority:

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PARIVESH 1.0, AGENDA No.08	
Proposal No.	SIA/OR/MIS/257303/2022
Date of application	17.01.2023
File no.	257303/14-MIS-V/01-2023
Project Type	Expansion of EC under violation category
Category	B
Project/Activity including Schedule No.	8(a) Building & Construction
Name of the Project	Proposal for proposed expansion of residential complex “Mani Tribhuvan” (Formerly Known as “Mani Tirumala”) over built-up area of 76050.80 sqm at Mouza: Kalarahanga, P.S: Chandrasekharapur, Nandan Kanan Road, Dist. Khurda of Sri Prithiwiraj Mukherjee.
Name of the company/Organization	MANI TIRUMALA PROJECTS PVT LTD
Location of Project	Mouza: Kalarahanga, P.S: Chandrasekharapur, Nandan Kanan Road, Dist. Khurda
ToR issue date	12.10.2021
Name of Consultant	M/s. Centre for Envotech & Management Consultancy Pvt. Ltd., Bhubaneswar

1. Proposal in brief:

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

- i) This proposal is for environmental clearance for proposed expansion of residential complex “Mani Tribhuvan” (Formerly Known as “Mani Tirumala”) over built-up area of 76050.80 sqm at Mouza: Kalarahanga, P.S: Chandrasekharapur, Nandan Kanan Road, Dist. Khurda of Sri Prithiwiraj Mukherjee.
- ii) **Category:** The project requires prior Environmental Clearance under the provisions of EIA Notification, 2006 and subsequent amendment and falls under Category B of activity 8(a)-Building & Construction projects.
- iii) **Project details:** Mani Tirumala Projects Pvt. Ltd., the project proponent has completed the construction of the residential complex “MANI TRIBHUBAN” (Formerly known as “MANI TIRUMALA”) at Plot Nos. 13,15,21 to 31, 33, 36, 37,38,28/2573, 40 to 49, 58, 59 & 125 (Part), Mouza- Kalarahanga, P.S.- Infocity, Nandan Kannan Road, District- Khurda, Odisha. The Project Proponent under the Existing part of the project has constructed 11 Blocks of buildings of G+14 configuration comprising of 603 dwelling units. 22 additional flats have been constructed in the existing 11 Towers. Out of these 22 flats, 16 (sixteen) flats have been built by rearranging the ground floor and 6(six) flats are constructed as upper floors in the 11 existing towers. The current configurations of dwelling units stand at 625 nos.
- iv) Additionally, as a part of earlier proposal, minor civil constructions of few blocks of G+5 & G+6 configurations have been carried out up to different stages. The proposal had been later dropped and the proponent has decided that these structures will be all demolished. This matter has been already recorded and documented in Page 53 of 68 of the Proceedings of the SEAC meeting held on 19.03.2021.
- v) Terms of Reference (TOR) has been granted by SEIAA, Odisha vide letter no. 3345/SEIAA, dated 12.10.2021 under Violation Category.
- vi) Existing Environment Clearance was granted by SEIAA vide letter no. SEIAA/200/ENV dated

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02.04.2011.

vii) BDA has approved the building plan vide letter no. 3537/BDA/Bhubaneswar, dated 13.02.2017.

viii) **Location and Connectivity:** The proposed site is located at Kalarahanga, Bhubaneswar, Odisha. The geographical co-ordinate of the project site is Latitude - 20°22'9.08"N & Longitude - 85°50'3.35"E. The project site is well connected with Nandan Kanan road which take towards National Highway-16 (Kolkata-Chennai Road). Nandan Kanan road is 0.1 Km from proposed site. The nearest railway station is Mancheswar Railway station at a distance of approx 5.0 Km in South direction. The nearest airport is Biju Patnaik Airport at a distance of approx. 13.0 Km in South direction from project site. The site is easily accessible from Nandan Kanan Road.

ix) **Comparative Land details:** The total plot area of the existing & proposed project will be 41,075.20sqm and built up area of existing project is 76,050.80sqm & built up area of proposed project (22 Flats) is 1906.66 sqm, so total built up area of the existing & proposed project is 77957.46 sqm.

Table: Comparative statement

Sl. No.	Features	Phase-1 As Per Environmental Clearance Vide Ref. No. SEIAA/200/Env Dated 02.04.2011	Additional Construction 22 Flats In 11 Towers	Current Scenario
i)	Land Area	41075.20 SQM	0.00 SQM	41075.20 SQM
ii)	Configuration	11 blocks of G+14 storied comprising of 603 flats with a Club house	22 Flats have been added in the existing 11 blocks. Out of these 22 Flats, 16 No. Flats have been built by rearranging the ground floors and 6 No. Flats are constructed as upper floor(s) in the 11 existing towers	11 Blocks of G+14 storied comprising of 625 Flats with a Club House
iii)	No. of flats	603 Nos	22 Nos	625 Nos
iv)	Built-up area	76050.80 SQM	1906.66 SQM	77957.46 SQM
v)	Population	3317 persons permanent residents, 302 persons for Club	110 persons	3427 persons permanent resident 302 persons for Club
vi)	Total water requirement	566.7 KLD	16.40 KLD	583.1 KLD
vii)	Wastewater generation	428.2 KLD	13.30 KLD	441.5 KLD
viii)	Treated wastewater from STP	415.3 KLD	12.97 KLD	428.27 KLD
ix)	Treated	259.8 KLD	6.11 KLD	265.91 KLD

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	wastewater recycled			
x)	Treated wastewater discharged	168.9 KLD	6.86 KLD	175.76 KLD
xi)	STP capacity	450 KLD (350KLD +100KLD)	Wastewater will be treated in the existing STPs	450 KLD (350KLD +100KLD)
xii)	Solid Waste generation	1.50 TPD	0.058 TPD	1.558 TPD
xiii)	Total Power Requirement	3938.00 KW	130.00 KW	4068.00 KW
xiv)	DG sets	4x250KVA, 2 x 380 KVA	Current configuration of DGs provided will suffice additional back-up power requirement	2 x 320KVA 1x125KVA (Not installed as there is no occupancy)
xv)	Rainwater Recharge pits	06 Nos	No Change	06 Nos
xvi)	No. of Car Parking	653 Nos	22 Nos	675 Nos
xvii)	Green Area	5596.00 SQM	0.00 SQM	5596.00 SQM

x) **Water requirement:** Total water demand for the proposed expansion part of the residential complex project during operation stage will be around 16.40 KLD. Daily freshwater requirement to the tune of 10.29 KLD will be sourced from Ground Water Supply System. Relevant permission from the respective authorities has already been obtained. In addition, treated wastewater to the tune of 6.11 KLD will be utilized in toilet flushing, landscaping and car washing, etc.

Sl. No	Category	Population	Per capital Water demand (LPCD)	Water demand (KLD)			Type of water	
				Domestic (KLD)	Flushing (KLD)	Total (KLD)	Fresh (KLD)	Treated (KLD)
i)	Residential Population	110	135	9.90	4.95	14.85	9.90	4.95
ii)	Floating Population	11	15	0.06	0.11	0.17	0.06	0.11
iii)	O & M Population	11	45	0.33	0.17	0.50	0.33	0.17
iv)	Car wash (nos.)	22	-	-	-	0.88	-	0.88
	TOTAL			10.29	5.23	16.40	10.29	6.11

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TOTAL WATER REQUIREMENT: 16.40 KLD

xi) **Wastewater Treatment:** It is expected that the project generates approx. 428.2 m³/day of wastewater. Wastewater generated in additional 22 nos. of flats is 13.3 KLD which is treated in existing STP of capacity 330 KLD & 100 KLD. STPs is based on SBR (Sequential Batch Reactor) Technology have been set up for the existing configuration of the 11 Towers.

xii) **Solid Waste Generation and Its Management:** From the residential complex, solid waste in form of food waste from kitchen and miscellaneous waste will be generated @ 0.4 kg/capita/day, which will be about 110 x 0.40 = 44.0 kg/day. The generated solid waste from the residential complex will be segregated as biodegradable and non-biodegradable. This will be collected in separate-colored beans. Proper waste management practices will be adopted during the collection, storing and disposal of the generated solid waste. Waste generated from Floating people will be @ 0.15 kg/capita/day, which will be about 3.3 kg/day. Waste generated from Street Sweeping will be 11.0 kg/day.

Sl. No.	Category	Population	Rate (in kg/day)	Total (in kg/day)
i)	Residential Population	110	0.4	44
ii)	Floating Population	11	0.15	1.65
iii)	O&M Population	11	0.15	1.65
iv)	Street Sweeping	110	0.1	11
Total - 58.30 kg/day				

xiii) **Rainwater harvesting:** Rainwater harvesting has been catered to and designed as per the guideline of CGWA. Peak hourly rainfall has been considered as 85 mm/hr. The recharge pit of 3.0 m length, 3.0 m breath and 2.5 m depth is constructed for recharging the water. At the bottom of the recharge well, a filter media is provided to avoid choking of the recharge bore. Total no. of rainwater harvesting pits provided will be 06 Nos.

xiv) **Power requirement:** The total consolidated electrical load estimate for project is about 4068 KW. Power will be supplied by 11 KV source of TPCODL. Also, in case of power cut, 100 % power backup generator will be provided for common uses only. For this purpose, diesel generator having 200 KVA 2 X 320 KVA, 1 X 125 KVA capacities will be provided. There are 10 kw of Solar Panel is installed at site.

xv) **Greenbelt:** Green belt is developed over an area of 5596 sqm; by using the local species like Radhachuda, Nageswar, Akash Neem, Ashok, Polanga, Karang, Bela, Pijilu, Kaniara, Tagar, Hena, etc.

xvi) The cost assessment related to environmental degradation and its remediation would be: Rs.28,20,891.00.

xvii) Total Budgetary Allocation as per the table:

Sr. No.	Description	Estimated Cost (Rs.)
i)	Estimated cost of damage / remediation with respect to ecological aspects	28,20,891
ii)	Community resource augmentation plan	50,000
Net Expenditure:		28,70,891

New Ambulance has been provided to Sri Sri University, Odisha of cost Rs. 3,49,585.00.

xviii) The project have applied for grant of EC under the Violation Window on 12th Sept 2017, hence the

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project doesn't fall under the Penalty Provisions as per Notification F. No. 22-21/2020-IA.III, dated 07.07.2021. Hence the project proponent has requested for waived off towards penalty provision clause.

xix) **Project cost:** Estimated Project cost is around Rs. 80 Crores and environment management cost is Rs 3.6 Crores.

xx) **Environment Consultant:** The Environment consultant **M/s. Centre for Envotech& Management Consultancy Pvt. Ltd., Bhubaneswar**, along with the proponent made a presentation on the proposal before the Committee on dtd. 14.02.2023.

xxi) The SEAC in its meeting held on dated 14-02-2023 recommended the followings;

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

- a) Undertaking by PP to carryout demolition of minor civil constructions of few blocks of G+5 & G+6 configurations as per ToR conditions, within a stipulated time frame and submit detail time scheduled for demolition.
- b) NOC/permission from concerned authority for discharge of additional quantity of treated waste water to nearest drain.
- c) Details of solar power generation along with calculation. Revised EMP budget incorporating cost of solar installation.
- d) Provide photographs of rainwater harvesting structures. Provide the location of rain water harvesting structures along with photographs.
- e) Certified compliance report to earlier EC conditions from MoEF&CC, Govt. of India.

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

- a) Construction activity, if any started for the project at the site.
- b) Progress of the demolition work as recommended in ToRs.
- c) Any other issues.

xxii) The proposed site was visited by the sub-committee of SEAC on 29.03.2023. Following are the observations of the sub-committee:

- a) Both PP and Consultant with other team members were present.
- b) During visit, it was observed that, demolition of the unauthorized construction is going on. PP informed that the work of demolition will be done by a month maximum. No fresh construction done in this area.
- c) Installation of solar PV panels were observed at the roof top
- d) Green belt, drain and road facilities are available.
- e) Other documents as asked during presentation to be submitted.

xxiii) 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.	Undertaking by PP to carryout demolition of minor civil constructions of few blocks of G+5 & G+6 configurations as per ToR conditions, within a stipulated time frame and submit detail time scheduled for demolition.	The demolition work is already in progress. During the site visit of sub-committee of SEAC, the demolition work was ongoing at its full swing. The demolition work shall be completed	Complied and Annexure -1 is attached.

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		within 30 th May 2023. The undertaking regarding the same along with demolition photographs is annexed hereto as Annexure -1 .	
2.	NOC/permission from concerned authority for discharge of additional quantity of treated water to nearest drain.	Drainage permission has been obtained from Bhubaneswar Development Authority vide letter no. 66/EM, dated 08.01.2015. During construction of additional 22 nos. of Flats minor waste water i.e 6.86 KLD is discharged to nearest drain. The drainage permission is attached in Annexure-2 .	NOC not attached for discharge of additional quantity of treated water to nearest drain.
3.	Details of solar power generation along with calculation. Revised EMP budget incorporating cost of solar installation.	Please find attached a note on details of solar power generation of 106kw annexed hereto as Annexure -3 .	Solar energy proposed is too less.
4.	Provide photographs of rainwater harvesting structures. Provide the location of rain water harvesting structures along with photographs.	Total 06 nos. of Rainwater Harvesting pits has been constructed at site. The rainwater harvesting structure is marked in Layout plan. Layout plan is annexed as Annexure -4 and Rainwater Harvesting Photographs are annexed as Annexure -5 .	Annexure -4 and 5 is attached.
5.	Certified compliance report to earlier EC conditions from MoEF& CC, Govt. of India.	The Certified Compliance report of earlier EC has been obtained from IRO Bhubaneswar vide letter no. 109-34/2022-EPE, dated 04.11.2022. The certified compliance report is attached in Annexure - 6 .	-

xxiv) The project proponent has intimated that they have applied for grant of EC under the Violation Window on 12th Sept 2017, hence the project doesn't fall under the Penalty Provisions as per Notification F. No. 22-21/2020-IA.III, dated 07.07.2021. Hence the project proponent requested that penalty provision clause may kindly be waived out.

xxv) The SEAC in its meeting held on dated **13-07-2023** decided to take decision 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.	NOC for discharge of additional quantity of treated water to nearest	Dear Sir, please note that the NOC in this regard was accorded by the Panchayat. Furthermore, the BDA had also directed the project Proponent to use the nearest drain (Budhi-Nala) for discharge of	The PP has submitted No Objection certificate from Panchayat and BDA

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	drain is not attached.	additional quantity of treated water. Please find the NOC of the Panchayat, letter of BDA and Building Permit by the BDA attached herewith marked with Annexures “A”, “B” & “C” respectively.	since there is no facility for public drain, and PP have to construct their own drainage system to nearest drain for the proposed building.
2.	The project proponent to indicate the system of storm water drainage, rainwater harvesting system and recharge well.	Dear Sir, please find a plan attached herewith marked with Annexure “D” which indicates the system of storm water drainage and rainwater harvesting. The said plan also provides sections of the storm water collection sump and the recharge wells constructed at the Project.	Layout submitted showing the details.
3.	Total cost of the project & total turnover cost.	Dear Sir, the total cost of the Project was estimated at Rs. 70 crores, which finally came to Rs 100.34 crores. The total Turnover of the Project has come to Rs. 180.48 crores. Please find attached as Annexure “E” as certificate from as Chartered Accountant certifying the same.	As certified by JKK & Company LLP, Kolkata Chartered Accounts.
4.	The OM F No. 22-21/2020/IA. III, dtd. 07.07.2021 of MoEF& CC, Govt. of India regarding SoP for violation cases stipulates that the percentage rates of penalty shall be halved if the project proponent suo-moto reports such violations without such violations coming to the knowledge of the Government either on inquiry or complaint. In this case, the violation	Dear Sir, the above Clarification has been in two parts. Firstly. Please draw your attention towards a portion of the above clarification set out hereunder- <u>“The OM F No.22-21/2020/IA.III dtd.07.07.2021 of MoEF& CC, Govt of India regarding SoP for violation cases stipulates that the percentage rates of penalty shall be halved if the project proponent suo-moto reports such violations without such violations coming to the knowledge of the Government either on inquiry or complaint. In this case, the violation has been identified at the time of appraisal of the proposal for grant of Environmental Clearance”.</u> Please draw your attention towards the second paragraph of the Notification bearing OM F No. 22-21/2020/IA.III dtd. 07.07.2021 of MoEF& CC, Govt. of India. Please note here that the Notification first came into existence on	---

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<p>has been identified at the time of appraisal of the proposal for grant of Environmental Clearance.</p> <p>Further, the OM on dtd. 07.07.2021 is applicable for the violation cases which has not been disposed off after date of notification of the OM i.e., 07.07.2021.</p> <p>Hence, the claim of the proponent that they have applied for grant of EC under the Violation Window on 12th Sept 2017, hence the project doesn't fall under the Penalty Provisions as per Notification F.No. 22-21/2020-IA.III, dated 07.07.2021 is not acceptable. The proponent has to deposit the penalty as per percentage given in the OM dtd. 07.07.2021 and detailed calculation to this effect shall be submitted.</p>	<p>14.03.2017 and was applicable for a period of six months from the date of publication. Now in our case, we had made as application to SEAC, Odisha before the notification came to existence. Thereafter, once we learnt about the abovementioned Notification, we applied under the Violation Window vide letter dated 11.09.2017 (Annexure "F"). Please find set out below the first two paragraphs of the letter dated 11.09.2017-</p> <p>“ Recently we learnt from the Gazette of India MoEF Notification dated 14.03.2017 that we have to apply to EAC Delhi under violation case for the Environmental Clearance of our above mentioned project.</p> <p>In accordance with the above we are enclosing documents as required for your kind perusal”.</p> <p>Sir, the project proponent humbly submits that there was no complaint made against the project proponent and there was no inquiry initiated by SEAC, Odisha because of which, violation came to the notice to the Department. Hence, we pray that such facts be given due consideration.</p> <p>Secondly, please draw your attention to the other part of the same clarification here in below –</p> <p>The OM on dtd. 07.07.2021 is applicable for the violation cases which has not been disposed of after date of notification of the OM i.e. 07.07.2021, Hence, the claim of the proponent that they have applied for grant of EC under the violation Window on 12th Sept 2017, hence the project doesn't fall under the Penalty Provisions as per Notification F No. 22-21/2020-IA.III, dated 07.07.2021 is not acceptable. The proponent has to deposit the penalty as per percentage given in the OM dtd. 07.07.2021 and detailed calculation to this effect shall be submitted.</p> <p>Please draw your attention towards paragraph Nos. 5 & 6 of the Notification bearing OM F No. 22-21/2020/IA.III dated 07.07.2021 of MoEF& CC, Government of India which reads as under –</p>	
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		<p>“ 5. Therefore, in compliance to the directions of the Hon’ble NGT a standard Operation Procedure (SoP) for dealing with violation cases is required to be drawn. The Ministry is also seized of different categories of ‘Violation’ cases which have been pending for want of an approval structural / procedural framework based on ‘polluter pays principal’ and ‘Principal of Proportionality’. It is undoubtedly important that action under statutory provisions is taken against the defaulters / violators and a decision on the closure of the project or activity or otherwise is taken expeditiously.</p> <p>6. In the light of the above directions of the Hon’ble Tribunal and the issues involved, the matter has accordingly been examined in detail in the Ministry. A detailed SoP has accordingly been examined in detail in the Ministry. A detailed SoP has accordingly been framed and is outlined herein. The SoP is also guided by the observations / decisions of the Hon’ble Courts wherein principles of proportionality and polluters pay have been outlines.</p> <p>The ‘polluter pays principal’ is a principal whereby those who commit violation should bear the cost of managing it in order to prevent harm to human health and environment.</p> <p>The ‘principal of proportionality’ is a general principal in law which is used as a criterion of fairness & justice in statutory interpretation processes, especially in constitutional law, as a logical method intended to assist in discerning the correct balance between the restriction imposed by a corrective measure and the severity of the nature of the prohibited act. In other words, an administrative action should not be more drastic than it ought to be. Thus, the punishment imposed by an administrative body must be reasonable and not excessive.</p> <p>Now please draw your attention towards point No. 12 of the abovementioned Notification having the title “Penalty provisions for Violation cases and</p>		
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		<p>applications”, Sub-Clause 12(b)(ii) states as below –</p> <p>“Where operation / production with expand capacity have commenced: 1% of the project cost (attributable to the expansion activity) incurred upto the date of filing of applicable along with EIA/EMP report PLUS 0.25% of the total turnover (attributable to the expanded activity / capacity) involved during the period of violation.”</p> <p>Now Sir having brought to your attention the relevant provisions of the Notification mentioned here in a above, please draw your attention towards the Application made under the Violation Window dated 11.09.2017 (Annexure “E”).</p> <p>“” We had made a application to SEIAA, Odisha on 12.02.2017 for Phase-2 of our project where we had proposed to expand our project and consequently presentation was made before SEAC, Odisha on 27.03.2017.</p> <p>The SEAC members had certain queries and issued us a clarifications letter having Memo No. 258(3)/ SEAC-Misc-28 dated 03.04.2017.</p> <p>Sir, hereby inform humble submission of the project proponent that penalty should be imposed under Point No. 12(b)(ii) and NOT undr Point No.12(a)(ii) of the Notification.</p> <p>Sir, please also consider certain facts in the instant case listed out below –</p> <ul style="list-style-type: none"> • Although the member of flats have in the increased from 603 to 625, but the project area has not increased proportionately as some of the additional flats have been carved out by re-arranging car parks and/or flats within the sanctioned area. Thus, the impact of this violation is negligible, if not none. Please draw your attention towards a table below which was also a part presentation to the respected committee members. 												
		<table border="1"> <thead> <tr> <th data-bbox="516 1667 662 1902">Features</th> <th data-bbox="662 1667 873 1902">Phase-1 As per Environmental Clearance Vide No.SEIAA/20</th> <th data-bbox="873 1667 997 1902">As Ref No. 22</th> <th data-bbox="997 1667 1133 1902">Additional Construction Flats</th> <th data-bbox="1133 1667 1143 1902">Current Scenario</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Features	Phase-1 As per Environmental Clearance Vide No.SEIAA/20	As Ref No. 22	Additional Construction Flats	Current Scenario							
Features	Phase-1 As per Environmental Clearance Vide No.SEIAA/20	As Ref No. 22	Additional Construction Flats	Current Scenario										

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			0/Env Dated 02.04.2011	In 11 Towers	
	No. of flats	603 Nos		22 Nos	625 Nos
	Built-up area	76050.80 SQM		1906.6 6 SQM	77957.4 6 SQM
	Population	3317 persons permanent residents, 302 persons for Club		110 persons	3427 persons permanent resident 302 persons for Club
	<ul style="list-style-type: none"> • In the instant case, Units have been increased from 603 to 625 which is approximately 4% increase. Now please imagine, if in another case the number of Units were increased from 603 to 900 which is approximately 50% increase. It is our assertion that both the cases would attract the same penalty under point No. 12(a)(ii) of the Notification which goes against the principal of proportionality upon which the entire Notification which goes against the principal of proportionality upon which the entire Notification is based. Thus, Point No. 12(b)(ii) should apply in the instant case. 				

xxvi) The Committee observed the following:

- Justification given by the proponent for exemption of penalty is not acceptable as it is not co-related to the illegal construction comparing to the construction work has already carried out as per the Environmental Clearance and demolition work has already done towards the illegal construction.
- PP as mentioned above in the table in last part want penalty as per 12 b ii which applies to the expansion cases. It is also an expansion case. So PP has to clarify if they are asking for exemption or want to be covered under category 12 b ii and not 12 a ii (which is for new projects).
- It is stated that the PP has to construct its own drain or facilitating discharge of excess treated sewage water as well as rainwater to Budhi nala. The PP needs to submit land documents evidencing its unhindered access to Budhi nala for the proposed drain.

xxvii)The SEAC in its meeting held on dated **13-11-2023** decided to take decision on the proposal after the proponent submit detailed information / documents as pointed out at para xxvi above.

xxviii) 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.	Justification given by the proponent for exemption of penalty is	The Site was visited by a respected member of the Sub-Committee of SEAC on 29.03.2023. During the day of the visit, the demolition of	---

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	<p>not acceptable as it is not co-related to the illegal construction comparing to the construction work has already carried out as per the Environmental Clearance and demolition work has already done towards the illegal construction.</p>	<p>unauthorized construction was going on. The total demolition work was completed on 25th May 2023. From that time the entire demolition works has been completed. Till today, no other construction works has been taken up. Please refer to the EC letter bearing Ref No. SEIAA/200/ENV dated 02.04.2011 attached herewith marked with Annexure “A” and please note that there is no unauthorized structure at the site and no fresh construction has been taken up. Please find attached as Annexure “B”, some picture of the site evidencing the same. Please also find attached as Annexure “C”, a declaration in this regard.</p>													
<p>2.</p>	<p>PP as mentioned above in the table in last part want penalty as per 12 b ii which applies to the expansion cases. It is also an expansion case. So PP has to clarify if they are asking for exemption or want to be covered under category 12 b ii and not 12 a ii (which is for new projects).</p>	<p>The unauthorized structure or construction at the site as mentioned here in above does not exist anymore. The details of the actual situation is the EC for Phase – I has been appended below: -</p> <table border="1" data-bbox="597 894 1195 1881"> <thead> <tr> <th data-bbox="597 894 760 1014">Particulars</th> <th data-bbox="760 894 894 1014">As per EC</th> <th data-bbox="894 894 1036 1014">Actual Scenario</th> <th data-bbox="1036 894 1195 1014">Remarks</th> </tr> </thead> <tbody> <tr> <td data-bbox="597 1014 760 1094">Plot area</td> <td data-bbox="760 1014 894 1094">41075.20 SQM</td> <td data-bbox="894 1014 1036 1094">41075.20 SQM</td> <td data-bbox="1036 1014 1195 1094">No Change</td> </tr> <tr> <td data-bbox="597 1094 760 1881">Built-up Area</td> <td data-bbox="760 1094 894 1881">76050.80 SQM</td> <td data-bbox="894 1094 1036 1881">77957.46 SQM</td> <td data-bbox="1036 1094 1195 1881">The additional Built-up area of 1906.66 SQM has been mostly executed by rearranging car parks and/or flats within the sanctioned area and has been since regularize</td> </tr> </tbody> </table>	Particulars	As per EC	Actual Scenario	Remarks	Plot area	41075.20 SQM	41075.20 SQM	No Change	Built-up Area	76050.80 SQM	77957.46 SQM	The additional Built-up area of 1906.66 SQM has been mostly executed by rearranging car parks and/or flats within the sanctioned area and has been since regularize	<p>The PP has mentioned in view of nominal increase in the number of units has led to no adverse impact on the environment. Thus, requested for exemption and if exemption is not acceptable by the respected Committee members, the PP should be covered under category 12 b (ii) and not under 12 a (ii).</p>
Particulars	As per EC	Actual Scenario	Remarks												
Plot area	41075.20 SQM	41075.20 SQM	No Change												
Built-up Area	76050.80 SQM	77957.46 SQM	The additional Built-up area of 1906.66 SQM has been mostly executed by rearranging car parks and/or flats within the sanctioned area and has been since regularize												

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				ed by the BDA		
		Nos. of units	603	625	The additional 22 units have also been regularized by the BDA vide letters dated 13.02.2017 and 16.01.2019, attached herewith marked with Annexure "D"	
		<p>In view of the above, this nominal increase in the number of units has led to no adverse impact on the environment. Thus, if exemption is not acceptable by the respected Committee members, the PP should be covered under category 12 b (ii) and not under 12 a (ii).</p>				
3.	It is stated that the PP has to construct its own drain or facilitating discharge of excess treated sewage water as well as rainwater to Budhi nala. The PP needs to submit land documents evidencing its unhindered access to Budhi nala for the proposed drain.	<p>The Budhi Nala is right next to the boundary wall of our project site. The Budhi Nala is abutting the Project site. Hence, no extra land is required for construction of drain for discharge of excess treated sewerage water as we already have unhindered access to the Budhi Nala. The drain for discharge of excess treated sewerage water is constructed within the project site and travels towards and has access to the Budhi Nala through the boundary as Annexure "E", a plan showing the project site and the Budhi Nala. Please also note that the NOC accorded by the Panchayat and the BDA in this regard has been submitted earlier with your department. Please also draw your attention towards the first picture in Annexure "B" where in the Budhi Nala is visible right next</p>				---

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		to the boundary wall.	
<p>2. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 29.04.2024 and the SEAC observed the following: Since, this is a violation case as reported by the PP in compliance report. Presently, the Hon’ble Supreme Court has stayed the operation of said OM of SOP dtd. 7th July, 2021 and OM dtd. 28th January, 2022. Hence, the proposal may be returned to SEIAA, Odisha for further action.</p>			
<p><u>Decision of Authority:</u></p>			

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PARIVESH 1.0, AGENDA No.168.09	
Proposal No.	SIA/OR/MIN/306294/2023
Date of application	28.04.2024
File no.	SEIAA-687/09-2020
Project Type	Proposal for Amendment of EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Amendment of EC of Chhidi Sand Quarry over an area of 12.35 acres or 4.997 Ha at Village-Chhidi, Tahasil-Gurundia, Dist-Sundargarh, Odisha
Name of the company/Organization	Sri SUDHIR HARICHANDAN
Location of Project	Village-Chhidi, Tahasil-Gurundia, Dist-Sundargarh, Odisha
1. Proposal in brief:	
<p>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.</p>	
<ul style="list-style-type: none"> (i) This is a proposal for amendment of EC of Chhidi Sand Quarry over an area of 12.35 acres or 4.997 Ha at Village-Chhidi, Tahasil-Gurundia, Dist-Sundargarh, Odisha (ii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. /EC Identification No. – 10139/SEIAA dt. 16.12.20220 and EC transfer on 28.12.2023 for Chhidi Sand Quarry over an area of 12.35 acres or 4.997 Ha at Village-Chhidi, Tahasil-Gurundia, Dist-Sundargarh, Odisha . (iii) During EC application the PP has submitted required documents along with mining plan where it is mentioned that mineable reserve of the proposed sand bed is 43477 cum with depth of sand deposition was 1.0 meter and proposed for annual extraction-20000 cum. (iv) The SEIAA allowed 20000 cum of sand for 1st year production with depth of mining 1.0 meter. (v) There is an EC conditions point no. 9.1 to 9.2 in page no. 04 that “Pending carrying out of the study & submission of the report, this clearance is being granted in an adhoc manner and is liable to be revoked after one year i.e. after 15th November 2021, if satisfactory replenishment study report is not submitted.” (vi) The PP has not mentioned the production details. (vii) The PP has submitted replenishment study report was done by the RQP Sri Zinu Sh. Sathua, M/s ZEOTEK , the ORSAC empanel agency with mentioned that Mineable Reserve during Pre-monsoon survey- 2023 = 23,880Cum Mineable Reserve during Post-monsoon survey-2023 = 33,844Cum and quantity of sand replenished is 9964 cum and proposed production 20000 cum. (viii) Any deficiencies/omission have been noticed in the above documents-The PP has not complied the transfer of EC condition in regard to amount to be deposit to District Environmental Society for plantation. 	
<p>Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 29th APRIL, 01st, 02nd, 03rd AND 04th MAY 2024 and the The SEAC recommended the following:</p>	
<p>Replenishment study is not satisfactory due to following reasons-</p> <ul style="list-style-type: none"> i) There is no increase in the surface elevation of the sand bed. In both pre monsoon and post monsoon it is at 1 meter. Thus no deposition of sand. ii) Essential details as per guidelines are also missing. iii) The increase in minable reserve is brought out by taking increased surface area for post monsoon survey which is at 56407 sq meter (5.6407 ha) while total lease area is 49970 sq meter (4.997 ha). 	
<p>Hence, Replenishment Study Report is not acceptable.</p>	
<u>Decision of Authority:</u>	

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PARIVESH 1.0, AGENDA No.168.10	
Proposal No.	SIA/OR/MIN/305483/2023
Date of application	19.12.2024
File no.	SEIAA-1297/02-2021
Project Type	Proposal for Amendment of EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Amendment of EC of Mangalpur Birupa River Sand Quarry over an area of 12.15 Acre or 4.92 Ha under Derabish Tahasil of Kendrapara District Odisha
Name of the company/Organization	Sri Satyajit Das
Location of Project	under Derabish Tahasil of Kendrapara District Odisha

1. Proposal in brief:

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

- (i) This is a proposal for amendment of EC of Mangalpur Birupa River Sand Quarry over an area of 12.15 Acre or 4.92 Ha under Derabish Tahasil of Kendrapara District Odisha
- (ii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. /EC Identification No. – 2090/SEIAA dt. 09.08.2021 and EC transfer vide letter no. 4844/SEIAA dt. 13.07.2022 for Mangalpur Birupa River Sand Quarry over an area of 12.15 Acre or 4.92 Ha under Derabish Tahasil of Kendrapara District Odisha.
- (iii) During EC application the PP has submitted required documents along with mining plan where it is mentioned that mineable reserve of the proposed sand bed is 43477 cum with depth of sand deposition was 1.0 meter and proposed for annual extraction-20000 cum.
- (iv) The SEIAA allowed 20000 cum of sand for 1st year production with depth of mining 1.0 meter.
- (v) There is an EC conditions point no. 9.1 to 9.2 in page no. 04 that “Pending carrying out of the study & submission of the report, this clearance is being granted in an adhoc manner and is liable to be revoked after one year i.e. after 15th November 2021, if satisfactory replenishment study report is not submitted.”
- (vi) The PP has not mentioned the production details.
- (vii) The PP has submitted replenishment study report was done by the RQP H.K. Sahoo, with mentioned that Mineable Reserve = 38100 Cum Mineable Reserve during Post-monsoon survey-2023 = 38122 Cum and quantity of sand replenished is **22873 cum** and proposed production 12000 cum.
- (viii) Any deficiencies/omission have been noticed in the above documents- Nil

2. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 29th APRIL, 01st, 02nd, 03rd AND 04th MAY 2024 and the with observed the following:

- i) The contents of page 13 of the replenishment study report contain recommendation of consultant / PP. The post monsoon Geological Reserve and the post monsoon Mineable reserve quantity calculations are not available in the replenishment study report. In the absence of supporting calculations in spite of queries raised in shape of ADS, the replenishment study report is not convincing and not acceptable.
- ii) It appears from the KML file photo that the project site is surrounded by water from all sides. Sand Mining will change the river course will change.

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iii) Approach road to lease site requires permission from competent authority of Water resources Department.

The SEIAA may take appropriate action as per rules for the proposal.

Decision of Authority:

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PARIVESH 1.0, AGENDA No.168.11	
Proposal No.	SIA/OR/MIN/306296/2023
Date of application	07.11.2023
File no.	J-11015/47/2020 IA-II(M)
Project Type	Proposal for Amendment of EC
Category	B1
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Proposed Limestone Mine (Khatkurbahar North Block, Area: 156.43 ha) with Limestone production capacity of 1.6 Million TPA at Village Khatkurbhal & Phalsakani, Tahsil: Kutra, Dist: Sundargarh, Odisha
Name of the company/Organization	M/s. Siva Cement Ltd.
Location of Project	Limestone production capacity of 1.6 Million TPA at Village Khatkurbhal & Phalsakani, Tahsil: Kutra, Dist: Sundargarh, Odisha

Proposal in brief:

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

1. This proposal is for amendment Environmental Clearance of M/s. Shiva Cement Ltd for Limestone Mine (Khatkurbahal North Block, Area: 156.43 ha) with Limestone production capacity of 1.6 Million TPA at Village Khatkurbhal & Phalsakani, Tahsil: Kutra, Dist: Sundargarh of Sri Manoj Kumar Rustagi.
2. **Category:** The project falls under Category” B” Project or Activity 1(a) – “Mining of Minerals” as per MoEF&CC, Govt. of India Notification as the Mining Lease Area is less than 250 ha.
3. **Location :** The mine is situated near Villages- Khatkurbahal & Phalsakhani, Tehsil- Kutra, District Sundargarh, Odisha. The latitude is 22^o 16’45.31025” N to 22^o 17’10.12835” N and 84^o 27’36.13496” E to 84^o 29’18.22107” E. The mines fall in part of Survey of India topo sheet No. F45G7, F45G8, F45G11 & F45G12.
4. M/s. Shiva Cement Limited has an existing Cement Plant with clinker production capacity 3.0 million TPA & Cement 2.0 million TPA at Village Telighana. Tehsil- Kutra, District Sundargarh, Odisha.
5. Environment clearance has been obtained from MoEFCC vide File No J-11011/84/2008-IA.II (I) dated 23.03.2022. To meet the limestone requirement of cement plant, company has two mines:
 1. Khatkurbahal Limestone & Dolomite Mine (ML Area- 72.439 ha) with Production Capacity 1.5 million TPA Near village – Khatkurbahal & Kulenbahal, Tehsil – Kutra, District –Sundargarh (Odisha). Environment Clearance for the same has been obtained from SEIAA, Odisha vide letter No 37895/62-MINB1/11-2021 dated 11.03.2022.
 2. Khatkurbahal (North) Block Limestone Mine (M.L. Area- 156.43 ha) with limestone production capacity of 1.6 million TPA at Villages Khatkurbahal&Phalsakhani, Tehsil Kutra, District Sundargarh, Odisha. Environment clearance has been obtained from MoEFCC vide File No J-11015/47/2020-IA.II (I) dated 17.03.2022.
6. **Amendment justification :** Project Proposal is for amendment in Specific Condition No. ii of the existing Environment Clearance Letter No J-11015/47/2020-IA-II(M) dated 17.03.2022 in favor of Shiva Cement Limited for Khatkurbahal (North) Block Limestone Mine (M.L. Area- 156.43 ha) with limestone

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production capacity of 1.6 million TPA at Villages Khatkurbahal&Phalsakhani, Tehsil - Kutra, District Sundergarh, Odisha w.r.t permission for road transportation from mines to captive cement plant for 5 years. Amendment required is as below:

Sl.N	Reference of Approved EC	Description as per Approved EC	Amendment requested	Reason for amendment
1.	Specific Condition No ii	The transportation of mineral should be carried out through the over land conveyor belt.	The transportation of mineral from mine to captive cement plant may be carried out through existing road for a period of 5 years from the start of mining operations and later through Overland belt Conveyor (OLBC).	Majority of the land required for installation of OLBC is tribal land and thus has to be acquired by the state govt as per LARR Act, 2013. The land acquisition has already been undertaken by the state Govt. and the same is a time-consuming process. Complete land acquisition and handover to SCL along with installation and commissioning of conveyor is likely to take approx. 5 years

7. Status of Land Acquisition and installation of conveyor belt and timeline for completion is given below:

S. No.	Activity	Status/ tentative date of completion
1	Project approval by IPICOL	Completed
2	Recommendation to IDCO by IPICOL for land	Completed
3	Scrutiny by IDCO for land records	Completed
4	Recommendation by IDCO to 5 irrigation depts & geology dept. For noc& to obtain NOC	Completed
5	Administrative approval from industries dept to start the land acquisition process	Completed
6	Recommendation by IDCO to district administration to start the la process	Completed
7	District administration to start the land acquisition process as per the land acquisition act	Started
8	Posting of data in LARRMS	Completed
9	Scrutiny of the land records by District land acquisition dept and process for 4(i)notification	31-12-2023
10	Preparation of Draft SIA study report	31-03-2024
11	Public hearing based on draft SIA study report	30-06-2024
12	Finalization of SIA study report	30-07-2024
13	Constitution of expert GP and evaluation of SIA report by expert GP(u/s-7(2))	30-08-2024

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14	Submission of expert GP Report to collector	30-09-2024
15	Publication of Declaration U/s- 8(2) by R&DM dept.	20-10-2024
16	Preparation of documents and administrative cost for 11(1) notifications	30-10-2024
17	Publication of preliminary notification by collector U/s-11(1)	30-11-2024
18	Survey of structures, trees etc over the land to be acquired (U/s- 12)	15-02-2025
19	Objection hearing u/s - 15 regarding SIA study/public purpose/suitability of the land	20-04-2025
20	Preparation of R&R plan (if any) by the administrator U/S-31. This will in parallel with U/s-12	20-07-2025
21	Estimation and deposit of LA cost, preparation of relevant documents for publication of declaration u/s-19	20-08-2025
22	Declaration by collector U/s-19(1)	20-10-2025
23	Conduction of yadast report for preparation of award for the land losers	20-12-2025
24	Objection hearing regarding legal heir or person interested (U/s-23)	31-01-2026
25	Passing of award U/s-30	05-03-2026
26	Disbursement of award (min 80% of compensation)	05-05-2026
27	Handing order possession after disbursement of 80% of compensation	05-07-2026
28	Consent to Establish	05-10-2026
29	Erection & commissioning of OLBC	30-04-2028
30	Consent to Operate	31-07-2028

8. **Environment Consultant:** The environment consultant **M/s J.M. Enviro Net Pvt. Ltd., Gurugram** along with the proponent made a presentation on the proposal before the Committee.
9. The SEAC in its meeting held on dated **21-11-2023** decided to take decision on the proposal after receipt of the following information from the proponent. The proponent has furnished the compliance and the SEAC verified the same as follows:

S I. N o .	Information Sought by SEAC	Compliance furnished by the proponent	Views of SEAC
	Compliance report to the Previous EC conditions regarding the road.	Certified compliance report in respect of the previous EC conditions issued by IRO, MoEF & CC Bhubaneswar is enclosed as Annexure – I . The site inspection was carried out on 01-03-2024 by Shri Sandeep Nandi, Scientist 'B'.	Copy submitted

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	<p>Traffic study report vetted by reputed institute and details of traffic load due to the proposed transport activity of the project.</p>	<p>Traffic Study Report along with the details of traffic load due to the proposed transport activity of the project vetted by Prof. Pravat Ku. Parhi, Odisha University Of Technology and Research, Bhubaneswar (Formerly CET Bhubaneshwar) is enclosed as Annexure - II.</p> <p>The recommendations of the report are as follows: Impact due to transport of Limestone from mine to cement plant has been assessed through traffic study and air quality modelling for impact assessment for incremental ground level concentration of air pollutants. The report is examined and found that, the traffic study and air modeling study satisfy the existing road network to accommodate the additional traffic load as per IRC guidelines. Hence it is recommended for establishment of Limestone mine and extraction”.</p>	<p>Copy submitted</p>
	<p>Height of the conveyor belt may be considered after consultation with forest department.</p>	<p>Shiva Cement Limited has consulted with the DFO, Sundargarh Division regarding height of the proposed conveyor and accordingly considered minimum height of 6 Meter above ground level. Copy of the letter no 1041/4F(Misc) Dt.08.02.2024 obtained from the office of the Divisional Forest Officer, Sundargarh Forest Division is enclosed as Annexure-III.</p>	<p>Height of the conveyor belt is 6 meters as suggested by DFO, Sundargarh.</p>
	<p>NOC/Permission from local authority regarding usage of approach road.</p>	<p>NOC pertaining to usage of approach road obtained from the office of the Superintending</p>	<p>Copy submitted</p>

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		<p>Engineer, Sundargarh (R&B) Division bearing letter no.1935 Dated 20/03/2023 is enclosed as Annexure-IV.</p>	
	<p>Present status of land acquisition and reason for delaying land acquisition.</p>	<p><u>Reason for delay in land acquisition and subsequent installation of OLBC:</u></p> <p>Majority of the land required for installation of OLBC is tribal land and thus has to be acquired by the state Govt. as per LARR Act, 2013.</p> <p>The land acquisition process was started since 2021 through the state Govt. Delay in land acquisition is attributable to the following factors:</p> <ul style="list-style-type: none"> ➤ Procedural delay in getting NOCs required by IDCO from 5 deptts viz, Irrigation Deptt, Mega Irrigation deptt, Minor Irrigation deptt, Lift Irrigation Deptt and Deptt of Geology. ➤ Procedural delay in administrative approval from state Govt. for land acquisition ➤ Scrutiny of land records by IDCO and later by District Land Acquisition deptt. <p>Complete land acquisition and its handover to SCL along with installation and commissioning of conveyor is likely to take 47 approx.. 4 years from now.</p> <p>Status of land acquisition and tentative timeline for various activities involved in the project is enclosed as Annexure-V.</p>	<p align="center">-</p>

Considering the information furnished and the presentation made by the consultant, **M/s J.M. Enviro Net Pvt. Ltd., Gurugram** along with the project proponent,

2. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 29.04.2024 and the SEAC recommended following:

Specific Condition No. ii of the existing Environment Clearance Letter No J-11015/47/2020-IA-II(M) dated 17.03.2022 in favor of Shiva Cement Limited for Khatkurbahal (North) Block Limestone Mine (M.L. Area- 156.43 ha) may be replaced as follows:

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- (i) The transportation of mineral from mine to captive cement plant may be carried out through existing road for a period of 5 years from the start of mining operations and later through Overland belt Conveyor (OLBC).
- (ii) No more road transportation is allowed after the mentioned date without permission of the SEIAA, Odisha.
- (iii) From 5th year onwards, the ore should be transported only through Overland belt Conveyor (OLBC) as per the guidelines of CSIR-NEERI's recommendation.
- (iv) The PP shall inform SEIAA, Odisha for any deviation in the proposed mode of transport of minerals in case the timeline is not complied with.

Decision of Authority:

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PARIVESH 1.0, AGENDA No.168.12	
Proposal No.	SIA/OR/INFRA2/451009/2023
Date of application	10.11.2023
File no.	451009/15-INFRA2/11-2023
Project Type	Proposal for ToR
Category	B1
Project/Activity including Schedule No.	7(da) Bio-Medical Waste Treatment Facilities
Name of the Project	ToR Proposal of M/s. Renewable Envirogic Private Limited for Common Biomedical Waste Treatment Facility (CBWTF) over an area 1.520 acres located at: IDCO Plot No. 8, in industrial Estate Choudwar, Dist- Cuttack of Sri Debasis Tripathy
Name of the company/Organization	Renewable Envirogic Private Limited
Location of Project	IDCO Plot No. 8, in industrial Estate Choudwar, Dist- Cuttack
ToR date	Yet to issued
Name of Consultant	M/s.Visiontek Consultancy Services Pvt. Ltd, Bhubaneswar

Proposal in brief:

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

- The proposal was considered by the committee to determine the “Terms of Reference (ToR)” for undertaking detailed EIA study for the purpose of obtaining environmental clearance in accordance with the provisions of the EIA Notification, 2006 and amendment thereafter.
- This proposal is for Terms of Reference of M/s. Renewable Envirogic Private Limited for Common Biomedical Waste Treatment Facility (CBWTF) over an area 1.520 acres located At:IDCO Plot No. 8,in Industrial Estate Choudwar, Dist- Cuttack of Sri DebasisTripathy.
- Category:** This project falls under Category “B” of Project activity 7 (da)- Development of Common Bio Medical Waste Treatment Facility projects as per EIA Notification dated 14th Sept, 2006 as its amendments.
- Location and connectivity:** The proposed project is located at Plot No. 08, Chawduar,Dist-Cuttack, State-Odisha. The geographical co-ordinates of project site are 20.541306°N and 85.870400°E. It falls under Topo sheet no.: F44T14 & F44T15. The nearest habitation is Village-Banipadai-0.50 KM-NE, Village-Gopalpur-1.5km-SE, Village-Sasanga-2.58Km-NW. The nearest highway is NH- 55 is about 2km in south direction. The nearest Railway Station is Charbatia Railway station is about 5.14 km in NE direction. The nearest Airport is BijuPatnaik Airport, Bhubaneswar is about 32 km in SE direction. The nearest water bodies are Mahanadi River -3.77 km (S), Chattisha lake-(>200 m) (SW), SingliJhor (1.16 Km (SW). The nearest reserve forests are Charbatia RF- 3.40 km (NE,Baula RF-4.85 km (SW),Sunimuhan RF-6.75 km (SW).
- There are no National Park/Wildlife Sanctuary/ Eco-sensitive zone located within 10 km radius of the Project Site.
- Baseline study conducted:** Baseline study is being conducted from Oct-2023 to Dec 2023 Locations within 10 Km study area according to the CPCB guidelines in Core zone and Buffer zone area.

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7. **Water requirement:** Total Water requirement for the proposed CBWTF project is 15 KLD and daily fresh water requirement is 7.5 KLD for Domestic and Processing including Vehicle washing and Plantation purposes. The water requirement will be met through bore wells.

Sr. No.	Details	Consumption (KLD)
i)	Process requirement (Incineration, Cleaning of storage area, Autoclave, Shredder)	7.5
ii)	Domestic Requirement	2.0
iii)	Plantation and Greenbelt, Vehicle Washing & Floor washing	5
	Total	14.5

8. **Wastewater details:** Waste water generated from the treatment of biomedical waste during incineration, autoclaving, washing of floors, vehicle wash platform, etc. will be treated in the Effluent Treatment Plant (capacity 10 KLD). The treated water would be recycled in the plant to reduce the amount of water used.

9. **Power requirement:** Total power requirement for the proposed project would be 100 KW at 11 KV lines which will be sourced from State Electricity Board. Additionally, 1 no. of DG set of 125.0 KVA is proposed for the project.

10. **Rainwater harvesting details:** A rainwater harvesting system will be also be set up at the plant to ensure better water management.

11. **Solid waste generation:**

Type of Waste Generated	Quantity
Ash	100 - 150 kg/day
Other Residues	10 - 20 kg/day

12. **Mitigation of solid waste produced:** ash from incinerator and other residue materials generated from the process are collected in bags, temporarily stored in storage shed and finally disposed in secured landfill.

13. **Greenbelt development:** Green belt will be developed over 33 % of the total land will be the greenbelt area i.e. 0.503 acres.

14. **Total Employment:** During the operational phase 30 persons (Direct + Indirect) & during construction phase local people will be hired.

15. **Project cost:** The estimated project cost is ₹400 Lakh i.e. ₹ 4 Crore.

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

17. The SEAC in its meeting held on dated **01-12-2023** decided to take the decision on the proposal after receipt of the following from the proponent:

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

- i) The proposed site is located within 75 K.M. from another existing CBWTF. As per CPCB guidelines, this proposed CBWTF does not meet the siting criteria. The PP has to clarify as to why this proposal shall not be rejected due to non-confirming to the siting criteria. A detailed write up in this regard shall be submitted.
- ii) Land documents and kisam of land.

B. If decided to issue ToRs, following specific ToRs may be prescribed while issue of Terms of References.

- i) Permission from Aviation Research Centre, Charbatia, Cuttack for stack height and all other statutory clearances shall be obtained.

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- ii) Detailed write up on the handling of bio medical waste (segregation, process followed and disposal of waste).
- iii) Submit a detailed layout of the proposed project showing all process, materials storage, and handling units.
- iv) Precautionary measures to be undertaken to prevent contamination of soil and water from the raw material storage area due to leaching.
- v) Brief write up on surface run off management with drainage map.
- vi) Submit the water balance break-up and where the cooling water is to be used.
- vii) Submit the coverage area details as it is Notified Industrial Area.
- viii) SOP for Biomedical waste management for workers involved in segregation and waste handling.
- ix) Regarding disposal of the incinerator ash submit supporting documents like MoU with private agencies.
- x) The ETP should have provision to take care of wastewater being contaminated with biomedical wastes.

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
i.	The proposed site is located within 75 K.M. from another existing CBWTF. As per CPCB guidelines, this proposed CBWTF does not meet the siting criteria. The PP has to clarify as to why this proposal shall not be rejected due to non-confirming to the siting criteria. A detailed writeup in this regard shall be submitted.	<ul style="list-style-type: none"> • Since it is mandated by CPCB that all biomedical waste generated from HCF is to be disposed as per CPCB Guidelines 2016. As per available data there are 6000 beds in government health care facilities in these districts (i.e. Kendrapara, Dhenkanal, Angul, Kendujhar). The present waste generated from such Government HCFs is not being treated and disposed as per CPCB rules and guidelines as no CBWTF is catering to these HCFs. • Considering the WHO standard of 3.5 beds per 1000 population, all districts are short of the required number of beds for patients (i.e. 88% bed gap). After 5 to 6 years the number of beds will increase by 2 to 3 times ie 30,000 beds will be provided in and around the 75 km buffer area. With the above background and keeping in mind the current demand and potential requirement for the next 2-5 years, we intend to set up 1 CBWTF at IDCO, Chaudar to meet the new bio-medical waste management requirements having capacity 5000 kg/day. The 75 km radius of the proposed project includes the districts of Dhenkanal, Angul, Jajpur, Bhadrak, Nayagarh, Khorda Keonjhar, Kendrapara, Jagatsinghpur and Puri • At present there is one CBWTF run and operated by M/s Sani clean Pvt Ltd with its plant set up at Tangia Pada, Khurda without having Environment Clearance (plant was set up before 2006 notification). Only CTO was received having capacity-3600 KG/Day. Which is not sufficient to cater the Biomedical waste generate from 75 km buffer area. Since there is huge presence of private sector HCFs at Khurda and Cuttack districts, this CBWTF is unable to cater to all the HCFs which are

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		<p>located at Cuttack, Khurda and another adjacent district. As per the CPCB guidelines one CBWTF can only manage wastes of 10,000 beds and not more than that. so new CBWTF is required in this scenario, proposed CBWTF is capacity to handel 5 tan /day and it will expandable in future, it was found that there are so many leftover HCFs and they are not able to treat and manage their wastes despite willingness and good intention.</p> <ul style="list-style-type: none"> • This proposed CBWTF will be located at Chowdar, as it is very strategically placed and very nearer to 3-4 districts of Odisha which can easily cater to the needs of the catchment area. Moreover, it will address the current gap & absorb all feature load of HCFS For this we have already acquired land of 1.6 Acres and we are ready to bear all part of the capital investments that are required as per CPCB guidelines and Rules. • Another proposal was submitted having proposal no. SIA/OR/INFRA2/456045/2023 on dated 08.01.2024 which comes 35 km distance from our project site (after submission of our proposal). • Distance of all CBWTF of Odisha is attached As Annexure-1.
ii.	Land documents and kism of land	Required documents are attached as Annexure.-2
<p>2. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 29.04.2024 and the after detailed discussion, the SEAC recommended to return the proposal to SEIAA, Odisha with a request to seek clarification from CPCB, Delhi whether EC can be granted to this CBWTF as per clarification given by the project proponent indicating that there is requirement of another CBWTF looking to the demand of the present scenario.</p>		
<p><u>Decision of Authority:</u></p>		

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PARIVESH 1.0, AGENDA No.168.13	
Proposal No.	SIA/OR/INFRA2/452677/2023
Date of application	21.11.2023
File no.	452677/16-INFRA2/11-2023
Project Type	Proposal for ToR
Category	B1
Project/Activity including Schedule No.	7(da) Bio-Medical Waste Treatment Facilities
Name of the Project	ToR Proposal of M/s Renewable Envirogic Private Limited of Common Biomedical Waste Treatment Facility (CBWTF) At: Khata No.18, Plot No. 134, Mouza- Padmapur, Tahasil - Koraput, District – Koraput of Sri Debasis Tripathy
Name of the company/Organization	Sri Debasis Tripathy
Location of Project	IDCO Plot No. 8, in industrial Estate Choudwar, Dist- Cuttack
ToR date	Yet to issued
Name of Consultant	M/s.Visiontek Consultancy Services Pvt. Ltd, Bhubaneswar

Proposal in brief:

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

- The proposal was considered by the committee to determine the “Terms of Reference (ToR)” for undertaking detailed EIA study for the purpose of obtaining environmental clearance in accordance with the provisions of EIA Notification, 2006 and amendment thereafter.
- This proposal is for Terms of Reference for environmental clearance for M/s Renewable Envirogic Private Limited of Common Biomedical Waste Treatment Facility (CBWTF) At: Khata No.18, Plot No. 134, Mouza- Padmapur, Tahasil - Koraput, District – Koraput of Sri Debasis Tripathy.
- Category:** The proposed project of setting up of Common Biomedical Waste Treatment Facility (CBWTF) falls under Category B, schedule 7(da) as per the EIA notification, 2006 and after the subsequent amendments made in 2009 and 2015.
- Location and connectivity:** The proposed site is located in plot area of 1.44Acres, KhataNo.18, Plot No. 134, Mouza- Padmapur, Tahasil - Koraput, District – Koraput , State Odisha. The project is a part of the Survey of India Toposheet No. F44T14 & F44T15. The geo-coordinates of the project is - Latitude 18° 47' 29.2164" N and Longitude 82° 47' 59.658" E. Nearest railway station is Koraput Junction- 8.3 km (sw); Nearest National highway is NH- 43 is about 1.4 km in S direction; Nearest airport is Jeypore airstrip - 28 km. Nearest habitation are Village-Padampur-0.63 KM-S and Koraput Town-9.4 km (NW). Nearest Rivers / streams/ Water Bodies are Kolab Reserver-4.25 km(S) and Mukhnajorhi Nalla-4.7 km(NE). Nearest forests are Anigurha Reserve forest-2.3 km(NNW) and Naranga RF-4.7(NNE)
- Baseline study period:** Baseline monitoring period is from Oct-2023 to Dec 2023.
- Proposed Plant Capacity –**
 Incinerator: 250 Kg/ hr - 1 number+ 1 (For Future)
 Autoclave: 300 kg/batch
 Shredder: 300 kg/hr

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Effluent Treatment Plant (ETP): 10 KLD

Total estimated waste 5 TPD generated from about 10,000 beds @ 300~500 gm/bed.

Proposed CBMW TFCapacity-5 TPD

Incinerable waste = 40~50% of total waste = 2.0~2.5 TPD

Operating hours =8 to 10 hrs/day

7. Treatment Technology:

EQUIPMENT	PURPOSE	Capacity	Number(s)
Incinerator With APCD & continuous Emission Monitoring instrument	The primary purpose of incineration is to burn the waste to ashes through a combustion process. The purpose of primary chamber of the incinerator would be combustion of the waste materials into safe end products (ash). The purpose of the secondary chamber would be to burn off gases and ensure safe end products (gaseous).	250 kg/hr	2
Autoclave	The proposed autoclave is a high pressure high vacuum steam sterilizer. This technique uses mechanical air removal with the help of vacuum pump and offers several advantages over standard sterilization cycle such as: Nearly 100% air removal from sterilization chamber. Vacuum drying at the end of sterilization hold period ensures drying of the material which has been sterilized.	300 kg/hr	1
Shredder	Shredder will be installed by the side of Autoclave for immediate shredding of sterilized materials to complete the cycle of operation of disinfection and segregation for reuse/recycle.	300 kg/hr	1
Effluent Treatment Plant	The Effluent Treatment Plant will be an integral part of the plant as it will treat the waste water generated from the treatment of biomedical waste during incineration, autoclaving, washing of floors, vehicle wash platform, etc.	10 KLD	1

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Transportation Vehicle	GPS enabled closed container Vehicles will be employed for transporting waste from common collection point to the facility.	Model : TATA Ace Gold	3
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8. **Water requirement:** Total water requirement for the CBWTF project is 18.5 KLD which will be sourced from bore wells & water tankers. The daily fresh water requirement would be 12.5 KLD and recycled water would be 6 KLD. A rainwater harvesting system will be also be set up at the plant to ensure better water management.

Sr. No.	Details	Consumption (KLD)
1	Process requirement (Incineration, Cleaning of storage area, Autoclave, Shredder)	7.5
2	Domestic Requirement	1.5
3	Reuse(in Venturi Scrubber, Incineration process)	6.0
4	Greenbelt	1.5
5	Vehicle Wash	2
	Total	18.5

9. **Wastewater management:** Wastewater generated from the treatment of biomedical waste during incineration, autoclaving, washing of floors, vehicle wash platform, etc. will be treated in the Effluent Treatment Plant (capacity 10 KLD). The treated water would be recycled in the plant to reduce the amount of water used.

10. **Solid Waste generation:** Ash - 100 - 150 kg/day and Other Residues - 10 - 20 kg/day

11. **Power requirement:** DG set of 125.0 KVA is proposed for the project and 100 KW at 11 KV lines will be taken from State Electricity Board.

12. **Manpower:** Total about 30 persons are proposed to be hired for plant operations including officers, skilled and unskilled workers.

SL. NO.	JOB PROFILE	NO. OF PERSONS
1.	Project/ Plant Manager	1
2.	Chief Operator of Equipment	2
3.	Assistant Operators	5
4.	Office Staff including marketing people	6
5.	Drivers	3
6.	Helpers with the Vehicles	3
7.	Workers on the Floor at the Facility	6
8.	Security Personnel	4
	Total	30

13. **Project cost:** The Estimated cost of the project is approx. 178.2 Lakhs.

14. **Environment Consultant:** The Environment consultant **M/S Visiontek Consultancy Services Pvt. Ltd, Bhubaneswar** along with the proponent made a presentation on the proposal before the Committee.

15. The SEAC in its meeting held on dated **27-12-2023** recommended the following.

A. The proponent may be asked to submit the following before consideration of ToRs:

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- i) The proposed site is located within 75 K.M. from another proposed CBWTF. As per CPCB guidelines, this proposed CBWTF does not meet the siting criteria. The PP has to clarify as to why this proposal shall not be rejected due to non-confirming to the siting criteria. A detailed write up in this regard shall be submitted.
- ii) Land documents and kisam of land.
- B.** Following specific ToRs to be issued if decided to issue ToRs:
 - i) Permission from the panchayat and ROW documents for connecting 240meters of land from project site to nearest approach road through the nearby village area.
 - ii) Submit details of amount of waste to be generated from the hospitals on the per day basis rather than calculating on number of beds.
 - iii) Submit aerial distance certificate from the nearby biomedical waste treatment facilities.
 - iv) Precautionary measures to be undertaken to avoid contamination of wastes or due to surface runoff from project site to the nearby water reservoir.
 - v) Submit a Standard Operating Protocol starting from collection point of waste generation/raw material, segregation, transportation, treatment and disposal of waste generated from plant.
 - vi) The baseline monitoring should also include biological parameters and baseline study should also cover the monsoon period.
 - vii) The storage sheds provided for the biomedical waste should be covered.
 - viii) Provide a buffer zone of 5km around the proposed site.
 - ix) Submit a write up on the amount of segregated waste to be handled at the project site monthly and annually.
 - x) Avoid using transport route passing through the village.
 - xi) SOP/measures to be followed for safety and health issues (due to handling of hazardous waste materials) of employees and local people of nearby villages.
 - xii) Area details to be cover for collection of waste materials/raw materials.
 - xiii) Agreement papers or MoU with dealers for disposal of waste generated and its management.
 - xiv) Category wise list of wastes to be handled.

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

S I N O .	Information Sought by SEAC	Compliance furnished by the proponent
i)	The proposed site is located within 75 K.M. from another proposed CBWTF. As per CPCB guidelines, this proposed CBWTF does not meet the siting criteria. The PP has to clarify as to why this proposal shall not be rejected due to non-confirming to the siting criteria. A detailed write up in this regard shall be submitted.	<ul style="list-style-type: none"> • Since it is mandated by CPCB that all biomedical waste generated from HCF is to be disposed as per CPCB Guidelines 2016. As per available data there are 6000 beds in government health care facilities in these districts (i.e. Kendrapara, Dhenkanal, Angul, Kendujhar).The present waste generated from such Government HCFs is not being treated and disposed as per CPCB rules and guidelines as no CBWTF is catering to these HCFs. • Considering the WHO standard of 3.5 beds per 1000 population, all districts are short of the

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			<p>required number of beds for patients (i.e. 88% bed gap). After 5 to 6 years the number of beds will increase by 2 to 3 times ie 30,000 beds will be provided in and around the 75 km buffer area. With the above background and keeping in mind the current demand and potential requirement for the next 2-5 years, we intend to set up 1 CBWTF at IDCO, Chaudar to meet the new bio-medical waste management requirements having capacity 5000 kg/day. The 75 km radius of the proposed project includes the districts of Dhenkanal, Angul, Jajpur, Bhadrak, Nayagarh, Khorda Keonjhar, Kendrapara, Jagatsinghpur and Puri</p> <ul style="list-style-type: none">• At present there is one CBWTF run and operated by M/s Saniclean Pvt Ltd with its plant set up at Tangia Pada, Khurda without having Environment Clearance (plant was set up before 2006 notification). Only CTO was received having capacity-3600 KG/Day. Which is not sufficient to cater the Biomedical waste generate from 75 km buffer area. Since there is huge presence of private sector HCFs at Khurda and Cuttack districts, this CBWTF is unable to cater to all the HCFs which are located at Cuttack, Khurda and another adjacent district. As per the CPCB guidelines one CBWTF can only manage wastes of 10,000 beds and not more than that. so new CBWTF is required in this scenario, proposed CBWTF is capacity to handel 5 tan /day and it will expandable in future, it was found that there are so many leftover HCFs and they are not able to treat and manage their wastes despite willingness and good intention.• This proposed CBWTF will be located at Chowdar, as it is very strategically placed and very nearer to 3-4 districts of Odisha which can easily cater to the needs of the catchment area. Moreover, it will address the current gap & absorb all feature load of HCFS For this we have already acquired land of 1.6 Acres and we are ready to bear all part of the capital investments that are required as per CPCB guidelines and Rules.• Another proposal was submitted having proposal no. SIA/OR/INFRA2/456045/2023 on dated 08.01.2024 which comes 35 km distance from our project site (after submission of our proposal).• Distance of all CBWTF of Odisha is attached As Annexure-1.	
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ii)	Land documents and kismam of land.	Required documents are attached as Annexure.-2
2. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 29.04.2024 and the after detailed discussion, the SEAC recommended to return the proposal to SEIAA, Odisha with a request to seek clarification from CPCB, Delhi whether EC can be granted to this CBWTF as per clarification given by the project proponent indicating that there is requirement of another CBWTF looking to the demand of the present scenario.		
<u>Decision of Authority:</u>		

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PARIVESH 1.0, AGENDA No.168.14	
Proposal No.	SIA/OR/MIS/306213/2023
Date of application	06.11.2023
File no.	SIA/OR/MIS/230678/2021
Project Type	Proposal for Amendment of EC
Category	B
Project/Activity including Schedule No.	8(a) Building & Construction Projects
Name of the Project	Proposal for Amendment of EC of M/s United Construction Corporation for Proposed Amendment in Residential Project over a built-up area 24,689.58 sqm at Mouza-Badaraghunathpur, Tehsil-Jatani, District Khurda, Bhubaneswar of Sri Tapan Kumar Mohanty
Name of the company/Organization	M/S UNITED CONSTRUCTION CORPORATION
Location of Project	Mouza-Badaraghunathpur, Tehsil- Jatani, District Khurda, Bhubaneswar
ToR date	N/A
Name of Consultant	M/s Grass Roots Research & Creation India (P) Ltd., Noida

Proposal in brief:

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

1. This proposal is for Amendment Environmental Clearance of M/s. United Construction Corporation for proposes Amendment in residential project over an built-up area 24,689.58 m² at Mouza-Badaraghunathpur, Tehsil- Jatani, District Khurda, Bhubaneswar of Sri Tapan Kumar Mohanty.
2. **Category:** This project falls under Category “B”, Project or Activity 8(a) Building and Construction projects as per EIA Notification dated 14th Sept, 2006 as its amendments.
3. The project was **earlier** granted **Environmental Clearance** by SEIAA Odisha vide EC Identification No.: EC22B038OR134759, SEIAA File No.: 230678/50-MIS/09-2021 dated **06/05/2022**.
4. The earlier sanctioned **Built-up area** as per the above-said EC letter was **24,601.44 m²** which has now changed to **24,689.58 m²**. The total plot area remains the same i.e. 9,124.19 sqm.
5. **Location and connectivity:** The Project site is located at Khata Nos. 270/3122, 270/3123, 400/3933, 400/3934 of Mouza- Badaraghunathpur, Tehsil- Jatani, District Khurda, Bhubaneswar, Odisha. The geo coordinates of the project is Latitude: 20°13'46.47"N and Longitude: 85°43'43.95"E. The Nearest Highway is NH-16 which is 2.4 km (SE) away from project site, SH-13 is at 7.5 km (SSW) away from project site, NH-57 which is 10 km (SSW) away from project site, NH-316 which is 13.0 (E) away from project site. The nearest Railway Station is Retang Railway Station, 4.7 km (SE) away from the project site. The nearest Airport BijuPatnaik International Airport, Bhubaneswar is at 8.7km (ENE) from the project site.
6. Total Plot area measures 9,124.19m² and the proposed built-up area is 24,689.58 m².
7. There will be a residential tower of 132 dwelling units with common amenity area. The maximum height of the Tower 17.60 m.

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Area Statement:

S. No.	PARTICULARS	AREA (sq.m.)
i)	Total plot area	9,124.19
ii)	Permissible Ground coverage (@50% of plot area)	4,562.095
iii)	Proposed Ground coverage (@47.57% of the plot area)	4,340.377
iv)	Permissible FAR (@3.0 of the Net plot area)	27,372.57
v)	Proposed FAR (@ 2.08 of Net plot area)	19,019.39
vi)	Non-FAR area	5,670.19
vii)	Total Built-up Area	24,689.58

8. The total population of project after proposed will be 888 persons.

9. Comparative statement of amendment:

S.N O.	PARTICULARS	EXISTING AS PER EARLIER REC	PROPOSED AMENDMENT	TOTAL AFTER PROPOSED AMENDMENT
1	Total Plot Area (m ²)	9,124.19 (2.25Acres)	--	9,124.19 (2.25Acres)
2	Proposed Ground Coverage (m ²)	3,260.073 (35.73% of plot area)	1,080.304	4,340.377 (47.57% of plot area)
3	Proposed FAR (m ²)	19,502.70 (@2.14of plot area)	-483.31	19,019.39 (@2.08of plot area)
	a) Residential FAR(m ²)	15,105.38	-265.03	14,840.35
	b) Common area FAR(m ²)	4,397.32	-218.28	4,179.04
4	Non FAR area (m ²)	5,098.74	571.45	5,670.19
	a) Mumty+ Service area (m ²)	714.21	615.51	1,329.72
	b) Stilt area(m ²)	4,384.53	-44.06	4,340.47
5	Built-up Area (m²)	24,601.44	88.14	24,689.58
6	Landscape Area (m ²)	3,021.93 (33.12%ofplot area)	-228.64	2,793.29 (30.61%ofplot area)
7	Maximum Height of the Building (m)	14.95	2.65	17.60
8	No. of Dwelling unit	186	-54	132
9	Project Cost	INR57.942Crore	INR3.775Crore	INR61.717Crore

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S.No	Particulars	Existing As Per Earlier EC	Proposed Amendment	Total After Proposed Amendment
10	Population (Nos.)	1070	-182	888
11	Total water demand (KLD)	141	-21	120
12	Domestic Water Demand (KLD)	129	-21	108
13	Fresh water (KLD)	85	-14	71
14	Flushing water (KLD)	44	-7	37
15	Waste water (KLD)	112	-18	94
16	STP Capacity (KLD)	135	-5	130
17	Rainwater Harvesting Pits (Nos.)	11	13	24
18	Parking	228ECS	-72ECS	154ECS
19	Parking Area	6275m ²	-1,338.86m ²	4,936.14m ²
20	Power Requirement	760kVA	356kVA	1116kVA
21	DG Sets	1x225kVA	-45kVA	1x180kVA
22	Solid waste generation (kg/day)	503	-83	420

10. **Water requirement:** The total water requirement will be met through Ground water and Bore well which is approx. 120 KLD, total domestic water requirement is 108 KLD. Out of which fresh water requirement is approx. 71 KLD, & flushing water will 37 KLD.

S.No.	Description	Occupancy	Rate of water demand (lpcd)		Total Water Requirement (KLD)		
			Fresh	Flushing	Fresh	Flushing	Total
A.	Domestic Water						
	Residents	772	90	45	69.48	34.74	104.22
	Staff	39	25	20	0.97	0.78	1.75
	Visitors	77	5	10	0.38	0.77	1.15
					71KLD	37KLD	108KLD
Total Domestic Water =108KLD							
B.	Horticulture	2,793.29m ²	4l/sqm		11.17KLDsay 12KLD		

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Grand Total(A+B) =120KLD

11. **Wastewater details:** The project will generate approx. 94 KLD of wastewater. The wastewater will be treated in an onsite STP of 130 KLD capacity. The treated effluent will be reused for flushing & horticulture. Surplus treated water of 36KLD in Summer season and 46KLD in Monsoon season will be discharged to external sewer.

Domestic Water Requirement	108KLD
• Fresh	71KLD
• Flushing	37KLD
Wastewater[@80%fresh+100%flushing]	57+37 =94KLD
STP Capacity	130KL

S.No	Description	Value as per earlier EC (KLD)	Proposed Amendment (KLD)	Total Quantity (EC accorded + Amendment) (KLD)
1.	Total water demand	141	-21	120
2.	Domestic Water Demand	129	-21	108
3.	Freshwater	85	-14	71
4.	Flushing water	44	-7	37
5.	Wastewater	112	-18	94
6.	STP Capacity	135	-5	130

12. **Rainwater harvesting details:** Total 24 nos. of Rainwater harvesting pits will be provided for storage of rain water.

13. **Parking details:** Total parking proposed is 145(Stilt) + 9(Surface) = 154 ECS. As per Bhubaneswar development authority bye-laws: Total required parking (25% of Proposed F.A.R) comes to be 4,754.85 m² which includes 4,279.35 m² for residents and 475.49 m² for visitors (10% of Total Parking area). Total Parking area proposed – 4936.14 m².

Power Requirement: The requirement load for the project will be 1,116 kVA. The power supply will be supplied by State Electricity Board. There is provision of 1 nos. of DG sets total 180 kVA capacity for power back up. The DG sets will be equipped with acoustic enclosure to minimize noise generation and adequate stack height (30m) for proper dispersion. Total solar power as per the following table.

S.No	DESCRIPTION	SAVINGS (kVA)
1.	Solar based Lighting will be done in the common areas, stair cases, land scape areas, signage, entry gates and boundary walls etc. (5% from total power load) Norms for Rooftop PV systems Installation: Solar power back of a minimum generation capacity of 5% of the connected load (OR)20 Watts/sq.ft on available roof space, whichever is less.	35kVA
2.	LEDs will be used in all dwelling units.	15.8kVA
3.	Outdoor and common area lighting shall be LED	5kVA
Total Energy Saved		55.8

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kVA
Total Power load=1,116kVA Energy saved through various provisions =55.8 kVA TOTALENERGYSAVING = 10%

Comparative Power Requirement (EC accorded + Amendment)

	EC accorded	Expansion	Total (EC accorded + Amendment)
Power Requirement	760kVA	+356kVA	1,116kVA
D.G sets	1x225kVA	-45kVA	1x180kVA

14. **Solid waste generation:** The total solid waste generation will be 420 kg/day for the proposed project. Approx. of solid waste would be generated 420 kg per day (@ 0.25 kg per capita per day for staff, @0.15 kg per capita per day for the visitor, 0.5 kg capita per day resident and landscape waste @0.2 kg/acre/day and STP Sludge).The solid waste will be collected and then segregated at source. Adequate number of colored bins (green, blue & dark grey) separate for bio-degradable and non-biodegradable are proposed to be provided at the strategic locations within the site. STP sludge is proposed to be used for horticultural purpose as manure. Horticultural Waste/ Biodegradable waste will be composted by Organic Waste Converter.50 sqm area has been proposed for OWC. Spent oil from DG sets will be sold to CPCB authorised recyclers.

S.No	Category	Norms (Kg/capita/day)	Waste generated (kg/day)
1.	Residents (772)	@0.5	386
2.	Staff (39)	@0.25	9.75
3.	Visitors (77)	@0.15	11.55
4.	Landscape waste (0.69acre)	@0.2kg/acre/day	0.138
5.	STP sludge	Waste water x 0.35x B.O.D difference/1000	12.83
TOTALSOLIDWASTE			420kg/day

Comparative Solid Waste Details

Solid Waste Generation	EC accorded (kg/day)	Proposed Amendment (kg/day)	Total (EC accorded+ Amendment) (kg/day)
	503	-83	420

15. **Greenbelt:** Total green area measures 2,793.29 m² i.e. 30.61% of the net plot area. No. of trees required = 1 tree/80 sqm of plot area =9,124.19/80 = 114 nos. Total no. of trees proposed = 150 trees.

16. **Project cost:** Total estimated cost of the proposed project is Rs.61.717 Cr. including land and development cost.

ENVIRONMENT MANAGEMENT PLAN COST (OPERATION)

COMPONENT	CAPITALC OST	RECURRINGC OST
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	(INRLAKH)	(INRLAKH/Y R)
Sewage Treatment Plant	15	8
Rain Water Harvesting Pits	10	0.50
Solid Waste Management	2.5	1
Environmental Monitoring	0	10
Green Area/Landscape Area	2.5	0.50
Others (Energy saving devices, miscellaneous)	10	0.15
Total	40	20.15

17. **Environment Consultant:** The Environment consultant **M/s. Grass Roots Research & Creation India (P) Ltd., Noida** along with the proponent made a presentation on the proposal before the Committee.

18. The SEAC in its meeting held on **21-11-2023** recommended the following:

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

- i) Detailed justification w.r.t. to all environment parameters for increase in built-up area and non-FAR area.
- ii) Comparative table for previous EC conditions and present revised proposal w.r.t. all the changeable parameters. Additionally, incorporate remarks column to specify the reason for change.
- iii) Submit write-up regarding increase in power requirement.
- iv) Submit the permission/application copy for discharge of excess treated water to the drainage.
- v) Submit the EMP plan along with capital and recurring cost.
- vi) The proponent shall clarify whether the recurring cost shall be borne by the developer or the management of society.

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

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

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

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of SEAC
1.	Detailed justification w.r.t. to all environment parameters for increase in built-up area and non-FAR area.	Comparative table w.r.t. all the changeable parameters along with justification for the same is enclosed as Annexure-I.	complied
2.	Comparative table for previous EC conditions and present revised	Comparative table w.r.t. all the changeable parameters along with	complied

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	proposal w.r.t. all the changeable parameters. Additionally, incorporate remarks column to specify the reason for change.	justification for the same is enclosed as Annexure-I.	
3.	Submit write-up regarding increase in power requirement.	Earlier, we had proposed only 2 BHK flats but now we are also proposing 3 BHK flats which have more demand load per unit. Therefore, there is an increase in power requirement. Revised calculation of power load is attached as Annexure-II.	complied
4.	Submit the permission/application copy for discharge of excess treated water to the drainage.	Permission for discharge of excess treated water to the drainage has been obtained from competent authority and copy of the same is attached as Annexure-III.	Copy sent to Planning Member, BDA, BBSR for vetting of Drainage and Sewerage Plan of the project under EIDP by the CE-cum – EM, BDA, BBSR has been submitted.
5.	Submit the EMP plan along with capital and recurring cost.	The capital cost for Environmental Management is estimated to be INR 40 lakh. Approx. INR 20.15 lakh/year will be the annual recurring expenses. Break-up of EMP budget is enclosed as Annexure-IV.	Complied
6.	The proponent shall clarify whether the recurring cost shall be borne by the developer or the management of society.	Undertaking regarding the same is enclosed as Annexure-V	-

The proposed site was visited by the sub-committee of SEAC on **26.12.2023**. Following are the observations of the sub-committee:

- a) The Project site is located in Badaraghunathpur, Bhubaneswar. The PP and Consultant were present and explained the layout.
- b) There is no construction in the project site. It is approachable by a revenue type of road of about 30 ft width.
- c) The PP needs to submit the document with layout for the approach road connecting to main high way with authentication.
- d) There is a Nala existing away in about 100 mts. So, permission from the authority to develop the road and drain in the side of the road along with permission for constructing drain in road side to connect to the existing NALA, for discharge of excess treated water and storm water.
- e) PP to target for ZLD.

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- f) PP to ascertain fire corridor width and green belt (minimum 20%). Since the land is lengthy, a fire corridor in between may be desirable, however this may be approved from fire authority.
- g) Parking details as per MOEF guideline to be complied and submitted with provisions for visitors parking.
- h) All other points asked during presentation to be complied.

Considering the information furnished and the presentation made by the consultant, **M/s Grass Roots Research & Creation India (P) Ltd., Noida** along with the project proponent,

Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 01.05.2024 and the SEAC recommended for grant of Environmental Clearance valid for 10 years with stipulated conditions as per **Annexure – H** in addition to the following specific conditions. **However, SEIAA, Odisha may consider to issue EC after submission of the layout showing connection of site with main road by the proponent.**

- i) The Proponent before implementation of the project shall convert the land to Gharabari and shall take the ownership of the land if not already taken.
- ii) The Proponent shall obtain permission/NOC from Executive Engg. (PHD) and / or from the appropriate authority for disposal of excess STP treated water to the nearest drain without which the Proponent will not start construction work. Also, in case of the connecting drain passing through others land (Govt. or Private land), the Proponent shall obtain the permission and possession as the case may be.
- iii) The proponent shall obtain BMC permission to develop the 60 ft road if any along with permission for constructing drain in road side to connect to the existing NALA which is at a distance of around 100 mts distance, for discharge of excess treated water and storm water.
- iv) The proponent shall use solar energy at least to the tune of 5% of total power requirement as proposed.
- v) The proponent shall obtain permission from concerned Fire Safety Authority.
- vi) Trees located within the project area shall be transplanted to alongside the boundary green development area.
- vii) The proponent shall implement the Pollution Control Measures and safeguards as proposed in the Environment Management Plan (EMP) of project report.
- viii) The project proponent shall maximise utilisation of treated water in flushing, plantations and ground washings etc. as per need to reduce water discharge to drain. This shall be verified in future compliance report.
- ix) The PP needs to stick to the EC conditions and BDA approval for both phases (earlier one ongoing and new one yet to be started) as far as construction details are concerned and other conditions.
- x) 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.
- xi) PP to ascertain fire corridor width and green belt (minimum 20%). Since the land is lengthy, a fire corridor in between shall be provided and same shall be approved from fire authority.
- xii) Parking shall be provided as per MOEF guideline with provisions for visitors parking.
- xiii) 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.
- xiv) Total ground coverage is shown to be 47.57% and the same shall be limited to maximum 40%.
- xv) All compliances submitted/ committed by PP(s) shall be strictly adhered to them in addition to all the conditions/ specific conditions of EC.

Decision of Authority:

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PARIVESH 1.0, AGENDA No.168.15	
Proposal No.	SIA/OR/MIS/306106/2023
Date of application	06.11.2023
File no.	227993/54-MIS/09-2021
Project Type	Proposal for Amendment of EC
Category	B
Project/Activity including Schedule No.	8(a) Building & Construction Projects
Name of the Project	Proposal for Amendment of EC of M/s. Shuvam Construction Pvt Ltd. for 2B+G+14 High Rise Residential Apartment Building over an built-up area 59578.43 Sqm in Mouza-Ghatikia, Bhubaneswar, Dist.- Khurda of Sri Kantilal Patel
Name of the company/Organization	M/S SHUVAM CONSTRUCTION PVT LTD
Location of Project	Mouza-Ghatikia, Bhubaneswar, Dist.- Khurda
ToR date	N/A
Name of Consultant	M/s Grass Roots Research & Creation India (P) Ltd., Noida

Proposal in brief:

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

- This proposal is for Amendment Environmental Clearance of M/s. Shuvam Construction Pvt Ltd for 2B+G+14 High Rise Residential apartment building over an built up area 59578.43 sqm in Mouza-Ghatikia, Bhubaneswar, Dist.- Khurda of Sri Kantilal Patel.
- Category:** The project falls under category “B” or activity 8 (a)-Building & Construction Project under EIA Notification dated 14th September 2006 as amended from time to time.
- Location and Connectivity:** The project is located at Mouza- Ghatikia, Bhubaneswar, District-Khurda, Odisha bounded by Latitude: 20°16'15.78"N and Longitude: 85°46'44.81"E. The Nearest Highway is NH-16 which is 1.44 km from the project site in East direction; NH-316 is 6.70 km towards SE direction, SH-13 is 14.45 km towards SSW direction. Ghatikia Main Road is at a distance of 0.80 km in North direction. The nearest Railway Station is Retang Railway Station at 8.36 km in South direction. Biju Patnaik International Airport Bhubaneswar is at 3 km in ESE direction from project site.
- Earlier, Environment Clearance was granted by SEIAA, Orissa vide EC Identification No. EC22B038OR134872 dated 22nd July,2022 for Plot area = 10,732.17 sqm (2.652 acre) and Built-up area =56,722.86 sqm.
- Due to proposed amendment, the plot area will change from 10,732.17 to12,443.97 sqm & BUA will change from 56,722.86 to 59,578.43 sqm.

6. Comparative statement of amendment:

S. N O.	PARTICULARS	EXISTING AS PER EARLIER	PROPOSED AMENDME NT	TOTAL AFTER PROPOSED
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		EC		AMENDMENT
1	Total Plot Area (m ²)	10,732.17	1711.8	12,443.97
	Future Development Area	--	1343.54	1,343.54
	Total Road Area	--	594.88	594.88
	Acquisition of Sewerage board	--	364.21	364.21
2.	Net Plot Area	10,732.17	-590.83	10,141.34
3.	Permissible Ground Coverage	6,439.3 (@60% of the plot area)	-354.496	6,084.804 (@60% of the net plot area)
4.	Proposed Ground Coverage	3,053.12 (@ 28.55% of the plot area)	-92.68	2960.44 (@29.19% of the net plot area)
5.	Permissible FAR	75,125.19 (@7 of the plot area)	-4135.81	70,989.38 (@7 of the net plot area)
6.	Proposed FAR	44,996.50 (@ 4.192 of the plot area)	-1674.17	43,322.33 (@ 4.271 of the net plot area)
7	Non FAR (Fire Tower, Balcony & Basement Area)	11,726.36	4529.74	16,256.1
8	Total Built Up Area (6 +7+8)	56,722.86	2,855.57	59,578.43
9	Green Area Proposed	2641.18 (@24.16% plot area)	-612.92	2028.26 (@20% of net plot area)
10	Maximum Height of the Building up to terrace level (meter)	50.93 (G+14)	--	50.26 (G+14)
11	Population (Nos.)	1672	194	1866
12	Total Water Requirement (KLD)	212	22	234
13	Domestic Water Requirement (KLD)	141	85	226
14	Fresh Water Requirement (KLD)	141	8	149
15	Wastewater Generation (KLD)	180.16	15.84	196
16	STP Capacity (KLD)	200	40	240
17	Rainwater Harvesting Pits (Nos.)	14	20	34
18	Parking provided	22,308.36 sqm	-9,234.48 sqm	13,073.88 sqm
19	Power requirement (kW)	1482	118	1600

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20	D.G sets	1000 kVA (2x 500)	-500kVA (- 250 kVA)	500 kVA (2x 250)
21	Solid waste generation (kg/day)	796.8	90.2	887
22	Project cost (INR)	95 Crores	57 Crores	152 Crores

7. **Building details:** There will be a residential tower (288 Dwelling units) with common amenity area. The maximum height of the Tower will be 50.26 m. The total plot area is 12,443.97 sqm and Net plot area is 10,141.34 sqm. The permissible ground coverage will be 6,084.804 sqm (60% of the net plot area) and proposed Ground Coverage will be 2,960.44 sqm (29.19% of the net plot area). The permissible FAR will be 70,989.38 sqm (@7.0 of net plot area) and proposed FAR will be 43,322.33 sqm(@4.271 of net plot area). The Non-FAR for the project will be 16,256.1sqm. Total Built up area for the project will be 59,578.43 sqm. The total population of project after proposed will be 1,866 persons.

8. **Water Requirement:** The total water requirement will be met through Ground water and Bore well which is approx. 234 KLD, total domestic water requirement is 226 KLD. Out of which fresh water requirement is approx. 149 KLD, & flushing water will 77 KLD.

S. No.	Description	Occupancy	Rate of water demand (lpcd)		Total Water Requirement (KLD)		
			Fresh	Flushing	Fresh	Flushing	Total
A	Domestic Water						
	Residents	1623	90	45	146.07	73.03	219.1
	Staff	81	25	20	2.02	1.62	3.64
	Visitors	162	5	10	0.81	1.62	2.43
					148.9 KLD say 149 KLD	76.27 KLD say 77KLD	225.17 KLD say 226 KLD
Total Domestic Water = 226 KLD							
B	Horticulture	2028.26 m ²	4 l/sqm		8 KLD		
Grand Total (A+B+C) = 234 KLD							

9. **Waste water details:** The project will generate approx. 196 KLD of waste water. The waste water will be treated in an onsite STP of 240 KLD capacity. The treated effluent will be reused for flushing & horticulture. Surplus treated effluent will be discharged to external sewer.

Domestic Water Requirement	234 KLD
Fresh	149 KLD

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Flushing	77 KLD
Waste water [@80% fresh + 100% flushing]	119.2 + 77= 196 KLD
STP Capacity (20 % higher than waste water)	240 KLD

10. Comparative water calculation:

S. No	Description	Value as per earlier EC	Proposed Amendment	Total Quantity (EC accorded + Amendment)
1.	Total Water Requirement	212	+22	234
2.	Domestic Water Requirement	141	+85	226
3.	Fresh Water Requirement	141	+8	149
4.	Wastewater Generation	180.16	+15.84	196
5.	STP Capacity	200	+40	240

11. **Rainwater harvesting details:** Total 34 RWH pits at different locations will be constructed for the proposed project.

12. **Parking details:** Total parking proposed is 146(LB)+142(UB)+43(Stack UB) = 331 ECS.

13. **Power Requirement:** The power supply will be supplied by State Electricity Board. The requirement load for the project will be 1,600 kW. There is provision of 2 nos. of DG sets total 500 kVA capacity (i.e. 2 x 250 KVA) for power back up. The DG sets will be equipped with acoustic enclosure to minimize noise generation and adequate stack height for proper dispersion. Total solar power as per the following table.

S. No.	DESCRIPTION	SAVING S (kVA)
1.	Solar based Lighting will be done in the common areas, stair cases, landscape areas, signage, entry gates and boundary walls etc. (5% from total power load) Norms for Rooftop PV systems Installation: Solar power back of a minimum generation capacity of 5% of the connected load (OR) 20 Watts/sq.ft on available roof space, whichever is less.	50 kVA
2.	LEDs will be used in all dwelling units.	22.5 kVA
3.	Outdoor and common are lighting shall be LED	7.5 kVA
Total Energy Saved		80 kVA
Total Power load = 1,600 kVA		
Energy saved through various provisions =80 kVA TOTAL ENERGY SAVING = 10 %		

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14. **Solid waste management:** The total solid waste generation will be 887 kg/day.

S. No.	Description	Occupancy	Waste Generated (kg/capita/day)	Waste Generated (kg/day)
1.	Domestic Solid Waste			
	Residents	1623	0.5	811.5
	Staff (Maintenance, Club house, Departmental Store)	81	0.3	24.3
	Visitors (Maintenance, Club house, Departmental Store)	162	0.15	24.3
2.	Horticultural Waste (0.5 acre)	@ 0.2 kg/acre/day		0.1
3.	STP Sludge	Waste water x 0.35 x B.O.D difference/1000		26.754
Total Solid Waste Generation = 887 kg/day				

15. **Greenbelt:** Total green area measures 2,028.26 m² i.e. 20% of the net plot area. No. of trees required = 1 tree/80 sq.m. of net plot area = 10141.34/80 = 126.766 say 127 Nos. So, total no. of trees proposed is 127 Nos.

S. No.	Botanical Name	Numbers
1	<i>Alstoniascholaris</i>	29
2	<i>Lagerstroemia flosreginae</i>	23
3	<i>Azadirachtaindica</i>	20
4	<i>Mimusopselengi</i>	28
5	<i>Tamarindusindica</i>	5
6	<i>Syzygiumcumini</i>	10
7	<i>Mangiferaindica</i>	12
Total		127

16. **Project cost:** Total Project cost is estimated to be INR 152 Cr. Including land and development cost.

Table: ENVIRONMENT MANAGEMENT PLAN COST (OPERATION)

COMPONENT	CAPITAL COST (INR LAKH)	RECURRING COST (INR LAKH/YR)
Sewage Treatment Plant	50	6
Rain Water Harvesting Pits	35	6
Solid Waste Management	2.5	5
Environmental Monitoring	0	10

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Green Area/ Landscape Area	3	0.75
Others (Energy saving devices, miscellaneous)	10	0.25
Total	100.5	28.0

17. **Environment Consultant:** The environment consultant **M/s Grass Roots Research & Creation India (P) Ltd., Noida** along with the proponent made a presentation on the proposal before the Committee.

18. The SEAC in its meeting held on dated **21-11-2023** recommended the following:

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

- i) Clarify exactly what the proponent is increasing both in auxiliary and mainstream.
- ii) Detailed area breakup for balcony, fire tower and basement.
- iii) Comparative table for previous EC condition and present revised proposal w.r.t. all the changeable parameters. Additionally, incorporate remarks column to specify the reason for change.
- iv) NOC/ Permission from concerned authority for discharge of excess treated waste water. Further, submit the copy of application submitted for proposed drain plan from Bhubaneswar Development Authority for drainage discharge.
- v) Justification for reduction in DG set capacity.
- vi) Increase the greenbelt area upto 20% of the total plot area as per the norms.

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

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

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

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of SEAC
1.	Clarify exactly what the proponent is increasing both in auxiliary and mainstream.	Post amendment, the plot area will increase from 10,732.17 to 12,443.97 sqm & Built-up area will increase from 56,722.86 to 59,578.43 sqm. A comparative table w.r.t. all the changeable parameters along with the reason for change is enclosed as Annexure-I.	-
2.	Detailed area breakup for balcony, fire tower and basement.	Detailed area statement is enclosed as Annexure-II.	-
3.	Comparative table for previous EC condition and present revised proposal w.r.t. all the changeable	Comparative table w.r.t. all the changeable parameters along with the reason for change is enclosed	-

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	parameters. Additionally, incorporate remarks column to specify the reason for change.	as Annexure-I.	
4.	NOC/ Permission from concerned authority for discharge of excess treated waste water. Further, submit the copy of application submitted for proposed drain plan from Bhubaneswar Development Authority for drainage discharge.	NOC from concerned authority for discharge of excess treated waste water is enclosed as Annexure-III. The copy of application submitted for proposed drain plan from Bhubaneswar Development Authority for drainage discharge is enclosed as Annexure-IV.	NOC from concerned authority for discharge of storm water has been accepted. Drainage Layout Plan is submitted.
5.	Justification for reduction in DG set capacity.	The D.G capacity mentioned in earlier EC was incorrect. It has now been corrected in the current EC application.	---
6.	Increase the greenbelt area upto 20% of the total plot area as per the norms.	Landscape plan showing 20% of green area is enclosed as Annexure- V	---
Reply to Site visit points			
1.	Environmental settings of the project site.	Chandaka Dampara WLS is at the distance of 2km towards North direction from the project site. DFO NOC has been obtained from competent authority and copy of the same is enclosed as Annexure- VI. There is no other ecologically sensitive location near the project site.	---
2.	Verify if the site is a flood prone area.	Project Site does not located in flood prone area.	---
3.	Construction activity if any started at the site and extent of construction activity.	No construction has been started yet.	---
4.	Road connectivity to the project site.	The connecting road is Ghatikia Main Road which is 0.8 km towards North from the project site. The Nearest Highway is NH-16 which is approx. 1.44 km in east direction from the project site, NH-316 is approx. 6.7 km (SE) away from the project site.	---

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5.	Drainage network at the site.	Waste water discharge plan showing drain connectivity is attached as Annexure- IV .	---
6.	Discharge point for discharge of treated water and distance of the discharge point from the project site.	Details provided above in point no. 15.	---
7.	Any other issues including local issues.	No other issues.	---
8.	PP should submit the revenue map showing the connecting road to the project site	Revenue map showing the connecting road to the project site is attached as Annexure - VII	---

The proposed site was visited by the sub-committee of SEAC on **23.12.2023**. Following are the observations of the sub-committee:

- a) The Project site is located in Ghatikia Bhubaneswar. The PP and Consultant were present and explained the layout.
- b) There is no construction in the project site.
- c) There is no blacktop road to site but a kacha road is connecting from the main road. PP informed that it is a 60 ft road connecting to main road. They need to submit the drawing on revenue map with BMC authentication or clarification about the 60 ft road and the sketch to be submitted to SEAC.
- d) Also, BMC permission to develop the 60 ft road if any along with permission for constructing drain in road side to connect to the existing NALA which is at a distance of around 100 mts distance, for discharge of excess treated water and storm water.
- e) All other points asked during presentation to be complied.

Considering the information furnished and the presentation made by the consultant, **M/s Grass Roots Research & Creation India (P) Ltd., Noida** along with the project proponent,

2. **Whether SEAC recommended the proposal** – The proposal was placed in the SEAC meeting held on 01.05.2024 and the the SEAC recommended for grant of Environmental Clearance valid for 10 years with stipulated conditions as per **Annexure – G** 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 without which the Proponent will not start construction work. Also, in case of the connecting drain passing through others land (Govt. or Private land), the Proponent shall obtain the permission and possession as the case may be.
 - iii) The proponent shall obtain BMC permission to develop the 60 ft road if any along with permission for constructing drain in road side to connect to the existing NALA which is at a distance of around 100 mts distance, for discharge of excess treated water and storm water.
 - iv) The proponent shall use solar energy at least to the tune of 5% of total power requirement as proposed.
 - v) The proponent shall obtain permission from concerned Fire Safety Authority.
 - vi) Trees located within the project area shall be transplanted to alongside the boundary green development area.
 - vii) The proponent shall implement the Pollution Control Measures and safeguards as proposed in the Environment Management Plan (EMP) of project report.

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- iii) The project proponent shall maximise utilisation of treated water in flushing, plantations and ground washings etc. as per need to reduce water discharge to drain. This shall be verified in future compliance report.
- ix) The PP needs to stick to the EC conditions and BDA approval for both phases (earlier one ongoing and new one yet to be started) as far as construction details are concerned and other conditions.
- x) 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.
- xi) All compliances submitted/ committed by PP(s) shall be strictly adhered to them in addition to all the conditions/ specific conditions of EC.

Decision of Authority:

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PARIVESH 1.0, AGENDA No.168.16	
Proposal No.	SIA/OR/MIS/293748/2022
Date of application	13.06.2023
File no.	27973/14-NCP-V/06-2018
Project Type	Proposal for Amendment of EC
Category	B
Project/Activity including Schedule No.	8(a) Building & Construction project
Name of the Project	Proposal for Amendment of EC of M/s. Trident Properties Pvt. Ltd. for Residential apartment building over an builtup area 70174.61 Sqm at Paikarapur, Bhubaneswar, Dist- Khurda of MV Shashi Kumar – Mod EC.
Name of the company/Organization	M/s. Trident Properties Private Limited
Location of Project	Paikarapur, Bhubaneswar, Dist- Khurda
ToR date	N/A
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 SEAC/SEIAA, are given as under.

1. This proposal is for amendment of Environmental Clearance of M/s Trident Properties Private Limited for Residential Apartment Building over a built-up area 70174.61 sqm at Paikarapur, Bhubaneswar, Dist- Khurda of MV Shashi Kumar.
2. **Category:** As per EIA Notification, 2006 and its subsequent amendments, the proposed project falls in category B under Schedule in activity 8 (a)- Building & Construction Project.
3. Earlier, Environment Clearance from SEIAA, Odisha was obtained vide letter no. 6361/SEIAA & File No. 27973/14-NCP-V/06-2018, dated 30.11.2018 for Proposed Construction of Residential Apartment Building located at Mouza - Paikarapur, Bhubaneswar, Dist- Khurda, Odisha.
4. Consent to Establish (CTE) has been obtained from OSPCB vide letter no. 13094/IND-II-CTE-6533, dated 28.07.2022.
5. BDA has approved the building plan vide letter no. 3446/BDA, Bhubaneswar, dated 06.02.2020. Revised BMC approval vide letter no. 20376/BMC, dated 27.04.2023.
6. Certified EC Compliance report of existing EC has been obtained from IRO Bhubaneswar vide letter no. 109-71/EPE/573, dated 09.06.2023.
7. The total FAR area of the project is 70,174.61 sqm.
8. **Justification of amendment:** The proponent proposes to amend the existing Environment Clearance because of decrease in the number of dwelling units by converting some blocks with 1 BHK & 2 BHK units to 3 BHK units, thus reducing the building footprint and built-up area. The proponent is converting 1 large block consisting 166 (EWS 1 BHK) units into 2 smaller blocks consisting of 16 (3 BHK) units each total 32 units reduction in built-up area. Further they seek an amendment in the built-up area from 70,174.61 sqm to 84,228.65 sqm because in the previous Environment Clearance Stilt parking area of 18638.85 sqm that was not added to the FAR area of 70174.61 sqm total built up area being 88813.36 sqm.

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9. **Location and connectivity:** The proposed site is located at Paikarapur, Bhubaneswar, Odisha. The Geographical coordinate of the project site is bounded by Latitude - 20° 15' 40.20" N & Longitude - 85° 44' 53.19" E. National Highway (NH-16) connecting Howrah-Chennai is about 3 Km away from the project site. The East Coast railway line runs at a distance of about 15 km from the project site. The Biju Patnaik Airport, Bhubaneswar is at a distance of about 13 Km from the project site.

10. **Comparative statement of area details of the project:**

Particular	As per Existing EC	Amendment of EC
Plot Area	42711.57 sqm	42095.4 sqm
Ground Coverage	17230.68 sqm (40.34%)	17230.68 sqm (40.34%)
Total FAR Area	70174.61 sqm	66824.76 sqm
Stilt Parking	18638.85 sqm	18749.30 sqm
Road Area	12013.56 sqm	19857.92 sqm
Open Parking	1310.34 sqm	2219.84 sqm
Total Parking Area	19949.19 sqm	20969.14 sqm
Green Belt Area	9715.93 sqm (22.74%)	9877.63 sqm (23.5%)
No. of Unit	500 + 166 EWS = 666 Nos.	580 Nos.
Total Builtup Area	FAR Area- 70174.61 sqm Stilt Parking- 18638.85 sqm Total Builtup Area- 88813.46 sqm	85574.06 sqm

11. **Power requirement:** The daily power requirement for the Residential apartment building is preliminarily assessed as 4607 KW (to be revise after ADS submission) source from TPCODL. To meet emergency power requirements during the grid failure, there is provision of DG set having 1x125 KVA + 1x15 KVA + 1x200KVA + 1x40 KVA + 1 x45 KVA capacity for power back up in the project.

12. **Water requirement:** Fresh make up of 304.1 KLD will be required for the project which will be sourced from Ground Water. Fresh Water consumption for the Residential People 3270 @ 90 lpcd = 294.3 m³ /day, Flushing for Residential People 3270 @ 45 = 147.15 m³ /day, Fresh Water Consumption for Floating People will be 327 nos @ 30 = 9.8 m³ /day, Flushing for Floating People will be 327 @ 15 LPCD = 4.9 m³ /day, for dust suppression and landscaping the required water will be 22.3 m³ /day and 15.5 m³ /day respectively.

Sl. No	Description	Total Population	Per Capita Consumption (ltr/day)	Total Water Requirement (KLD)
1.	Residential Population	3270 nos	90	294.3
2.	Floating Population	327 nos	30	9.8
TOTAL				304.1

13. **Wastewater management:** It is expected that the project will generate approx. 364.92 m³/day of wastewater. The wastewater will be treated in the STP of capacity of 400 m³/day provided within the complex. Out of which 214.85 m³/day (to be revise after ADS submission) will be recycled within the project for flushing (152.05 m³/day), landscaping (38.8 m³/day), Dust Suppression (24.0 m³/day), STP loss (20.0 m³/day) & 130.07 m³/day will be discharged to drain in case of non-monsoon period.

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14. **Rainwater harvesting details:** Total runoff load from the project site will be 2056.21 m³/hr. Volume of each Recharge pit = 4m x 4m x 6m = 96.0 cum (approx.). So, No. of pits required= 2056.21 /96 = 21.4 say 22 nos. Total no. of Rain Water Harvesting pit provided for the proposed project is 22.0 Nos.
15. **Green belt development:** Green belt will be developed over an area of 9877.63 sqm (23.5 %) of the plot area; by using the local species like Radhachuda, Nageswar, Akash, Neem, Ashok, Polanga, Karang, Bela, Pijilu, Kaniara, Tagar, Hena, etc.
16. **Solid waste management:** From the hotel complex solid waste in form of food waste from kitchen and miscellaneous waste will be generated @ 0.4 kg/person/day, which will be about 1308.0 kg/day. The generated solid waste from the hotel complex will be segregated as biodegradable and non-biodegradable. This will be collected in separate-colored bins. Proper waste management practices will be adopted during the collection, storage and disposal of the generated solid waste and construction and demolition waste. Solid waste from sweeping and Dry Garbage containing non-biodegradable wastes like polythene bags, metal, ceramic Waste, glass etc. shall be stored in separate garbage bin and send to approved recyclers.

S. No.	Category	Counts (heads)	Waste generated (kg/day)
1.	Residents	3270 @ 0.4 kg/day	1308.0
2.	Road sweeping	3270 @ 0.1 kg/day	327.0
3.	STP Sludge	--	183.0
	Total		1818.65

Parking Details:

Parking Area Provided			
Stilt parking			18749.3 sqm
Open parking			2219.84 sqm
Total Parking			20969.14 sqm
Equivalent car space Provided			
	Area(sqm)	Area/ECS	
Stilt Parking	18749.3	28	670.0
Open Parking	2219.84	25	89.0
Total Parking Provided			759 ECS

17. **Project cost:** Total cost estimated for the proposed project is Rs 125.0 Crores. EMP cost includes Capital Cost of Rs. 110 Lakhs and recurring cost of 11 lakhs.
18. **Environment Consultant:** The Environment M/s **Centre for Envotech & Management Consultancy Pvt. Ltd., Bhubaneswar** along with the proponent made a presentation on the proposal before the Committee.
19. The SEAC in its meeting held on dated **05-07-2023** recommended the following:
- A. **The proponent may be asked to submit the following for further processing of EC application:**
- i) Land documents of deleted and added up land for the proposed modification along with the ownership details and Kisam with its documentation.

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- ii) Clarification on width of the road (EWS) and its percentage in terms of land used in the total project area.
- iii) Comparative statements of all the physical and environmental parameters in tabular form of both previous project for which EC obtained and proposed modification for which EC applied.
- iv) Ensure the difference between the reduced level of bottom of rain water harvesting pit and ground water and submit the report. It should be ensured that a proper gap/difference in level is maintained.
- v) Power requirement - 800 KW mentioned in presentation and 4607 KW in Form-I. Which one is correct shall be clarified.
- vi) Waste water generation - 344.92 m³/day mentioned in Brief summary and 214.85 m³/day in presentation. Which one is correct shall be clarified.

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

- i) Environmental settings of the project site.
- ii) To ensure how much construction activities has been completed.
- iii) Road connectivity to the project site.
- iv) Drainage network at the site.
- v) Discharge point for discharge of treated waste water and distance of the discharge point from the project site.
- vi) Any other issues including local issues.

20. 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
iii)	Land documents of deleted and added up land for the proposed modification along with the ownership details and kism with its documentation.	Land documents of deleted & added up land is attached in Annexure-1 .	ROR submitted
iv)	Clarification on width of the road (EWS) and its percentage in terms of land used in the total project area.	EWS block was provided with 6-meter wide road all around percentage groundcoverage 3.6%. Revised to 2 Blocks 1.44% groundcoverage respectively both together 2.88%, provided with 6-meter-wide road all around each block.	-
v)	Comparative statements of all the physical and environmental parameters in tabular form of both previous project for which EC obtained and proposed modification for which EC applied.	Comparative Statement of the building is attached in Annexure-2 .	complied
vi)	Ensure the difference between the reduced level of bottom of rain water harvesting pit and ground water and		The query raised has not complied by PP.

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	submit the report. It should be ensured that a proper gap/difference in level is maintained.		
vii)	Power requirement – 800 KW mentioned in presentation and 4607 KW in Form-I. Which one is correct shall be clarified.	The Power requirement of the project is 800.0 KW. The comparative statement is attached in Annexure-2 .	-
viii)	Waste water generation - 344.92 m ³ /day mentioned in Brief summary and 214.85 m ³ /day in presentation. Which one is correct shall be clarified.	Total waste water generation of the project is 381.8 KLD & the capacity of STP is 400 KLD. The comparative statement is attached in Annexure-2 .	-

21. The proposed site was visited by the sub-committee of SEAC on **21.08.2023**. Following are the observations of the sub-committee:

- a) The PP and the team explained the Layout of the site in presence of the Consultant.
- b) It was informed that due to the TP plan of the Govt, the PP had to surrender a block and relocate at another place with the same plan as per approval. Similarly, the buildings marked for EWS has been cancelled and in its place 2 blocks with new design have been proposed.
- c) It was observed that minor construction activity has been started in the block of EWS (Soil Excavation Foundation) and the new shifted block. PP may be asked to clarify why this cannot be considered as a Violation case? All other units are being constructed as per plan (S+4) as informed by PP.
- d) The PP informed that above are as per the revised plan obtained from BDA/BMC. The PP was informed to submit the copy of revised plan vetted by the authority and revised layout marking the changes and also land record (power etc) for the new relocated block.
- e) The site has approach road and the PP explained that they have to construct the drain till the Nallah as per the permission they have and is a part of EID. The PP was asked to submit the layout and permission letter in support of the drain beyond their land till the Nallah.
- f) Green belt is partly developed and they need to comply the norm including all conditions stipulated in EC earlier given.
- g) Since there will be 4 DG set and each will have stack separately, a lay out with calculation of stack height as per norm to be provided.
- h) The land was near low lying area. The PP needs to develop the project in a manner so that there will be no water logging.
- i) All other points asked during presentation to be submitted.

22. The SEAC in its meeting held on dated **13-11-2023** decided to take the decision on the proposal after receipt of the following information/documents from the proponent:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
1.	Ensure the difference between the reduced level of bottom of rain water harvesting pit and ground water and submit the report. It should be ensured	Detail feasibility report of proposed rain water harvesting pits and hydro geological status of the site is attached in Annexure - 1 .

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	that a proper gap/difference in level is maintained.	
2.	It was observed that minor construction activity has been started in the block of EWS (Soil Excavation Foundation) and the new shifted block. PP shall clarify why this cannot be considered as a Violation case? All other units are being constructed as per plan (S+4) as informed by PP.	We had approval from BDA for 13 blocks of S+4 residential apartments and 1 block of G+1 society building which included the EWS block. We had started the construction of the EWS block. We halted the construction of the EWS block at foundation on receipt of notification that Govt land will be allocated by BDA for construction of EWS building, we have applied for and obtained the revised building plan by converting the single EWS block into 2 blocks of regular apartment and applied for revised EC for 15 Blocks of S+4 residential apartments and 1 block of G+1 society building. The construction observed in the new shifted block was piling work for the revised boundary wall.
3.	The PP informed that above are as per the revised plan obtained from BDA/BMC. The PP needs to submit the copy of revised plan vetted by the authority and revised layout marking the changes and also land record (power etc.) for the new relocated block.	Revised permission has been obtained from Bhubaneswar Municipal Corporation vide letter no. 2037/BMC, dated 27.04.2023 (Revised BMC permission is attached in Annexure -2). BMC approved building layout plan is attached in Annexure-3 . Previous building master plan is attached in Annexure-4 and revised master plan with marking the changes is attached in Annexure-5 . Development Agreement and General Power Attorney for the new relocated block is attached in Annexure -6 .
4.	The site has approach road and the PP explained that they have to construct the drain till the Nallah as per the permission they have and is a part of EID. The PP needs to submit the layout and permission letter in support of the drain beyond their land till the Nallah.	Drainage plan has been vetted by Bhubaneswar Development Authority vide letter no. 681/EM/BDA, Bhubaneswar, dated 25.09.2025. Copy of letter from BDA regarding storm water drain connected to the Nallah is attached in Annexure -7 .
5.	Since there will be 4 DG sets and each will have stack separately, a lay out with calculation of stack height as per norm to be provided.	The height of the building is 14.95 m and the stack height of the DG set is 17.50 m which is 2.55 m above from the building height. A Layout plan showing the DG location with

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		stack height is attached in Annexure-8 .
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.		
<p>2. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 01.05.2024 and the SEAC recommended for grant of Environmental Clearance valid for 10 years with stipulated conditions as per Annexure – F in addition to the following specific conditions.</p> <ul style="list-style-type: none">i) The Proponent before implementation of the project shall convert the land to Gharabari and shall take the ownership of the land if not already taken.ii) The Proponent shall obtain permission/NOC from Executive Engg. (PHD) and / or from the appropriate authority for disposal of excess STP treated water to the nearest drain without which the Proponent will not start construction work. Also, in case of the connecting drain passing through others land (Govt. or Private land), the Proponent shall obtain the permission and possession as the case may be.iii) The proponent shall use solar energy at least to the tune of 5% of total power requirement as proposed.iv) The proponent shall obtain permission from concerned Fire Safety Authority.v) The proponent shall obtain permission from Water Resources department, Odisha for use of ground water.vi) Trees located within the project area shall be transplanted to alongside the boundary green development area.vii) The proponent shall implement the Pollution Control Measures and safeguards as proposed in the Environment Management Plan (EMP) of project report.viii) The project proponent shall maximise utilisation of treated water in flushing, plantations and ground washings etc. as per need to reduce water discharge to drain. This shall be verified in future compliance report.ix) The PP will not commence construction unless the drain lay out is finalized and permission given for the same by the authority to discharge excess treated water & storm water.x) All compliances submitted/ committed by PP(s) shall be strictly adhered to them in addition to all the conditions/ specific conditions of EC.		
<u>Decision of Authority:</u>		

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PARIVESH 1.0, AGENDA No.168.17	
Proposal No.	SIA/OR/INFRA2/412673/2023
Date of application	16.01.2023
File no.	412673/1502-MIS/01-2023
Project Type	New EC
Category	B
Project/Activity including Schedule No.	8(a) Building & Construction project
Name of the Project	Proposal for EC of Multistoried Residential Building Project B+S+16 (Blocks A& B) of M/S EVOS Buildcon Pvt. Ltd. over an built-up area 34341.85 sqm at: Mouza- Jagasara, Tahasil - Jatni, Dist- Khordha of Sri Kalinga Keshari Rath
Name of the company/Organization	M/s. EVOS BUILDCON Pvt. Ltd.
Location of Project	Mouza- Jagasara, Tahasil - Jatni, Dist- Khordha
ToR date	N/A
Name of Consultant	M/s Right Source Industrial Solutions Pvt. Ltd.

Proposal in brief:

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

1. This proposal is for Environmental Clearance of Multistoried Residential Building Project B+S+16 (Blocks A& B) of M/s Evos Buildcon Pvt. Ltd. over a built-up area 34341.85 Sq.mt At: Mouza- Jagasara, Tahasil - Jatni, Dist - Khordha of Sri Kalinga Keshari Rath.
2. **Category:** As per EIA Notification, 2006 and its subsequent amendments this proposed project falls under category B1 and activity 8 (a) - Building and Construction projects.
3. **Project details:** The proposed twin blocks project "Empire Twins" is a multistoried Residential Apartment Building comprising of 2 nos. (two) blocks which are of same configuration with B+S+16 Floors each over a total plot area of 6801.18 Sq.m or 1.681 Acres in favour of M/s Evos Buildcon Pvt. Ltd.
4. Approval from Bhubaneswar Development Authority, Bhubaneswar vide File No- BP-BDA- 2022-10-23-009644 has been applied to by the project proponent (applicant).
5. **Location and connectivity:** The proposed project site is located at Plot No - 580, 581, 582, 583, 599, 581/1308, 599/1134, Khata No- 229/1899 (old Khata No. 229/320), 229/893, 229/322, 229/1477 in Mouza- Jagasara, Tahasil - Jatni of Khordha district, Odisha. The proposed project site lies and covered in the Survey of India Topo sheet no. F45T11. The geographical co-ordinates of project site are Latitude 20⁰ 16' 06.84" N to 20⁰ 15' 07.67" N and Longitude 85⁰ 43' 11.46" N to 85⁰ 43' 13.84" E. The upcoming project site is located at a distance of 1.0 km from Mouza - Jagasara. Khordha is at a distance of 13.0 Km. NH-16 is at a distance of 3 km. Khordha Chandaka Road is at a distance of 3.2 km. Bhubaneswar town is located at a distance of 12.0 km. Biju Patnaik International Airport is at a distance of 10 km. Bhubaneswar Railway station is at a distance of 13.0 km. Bhubaneswar Fire Station is located at a distance of 8.7 km and Bhubaneswar govt. hospital is located at a distance of 10.8 km from the project site.

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6. Built up area details:

Plot Area	: 6801.18 Sqm
Net Site Area	: 6799.80 Sqm
Total Proposed FAR Area	: 27099.52 Sqm
Covered Parking Area	: 7,242.33 Sqm
S.Pool Area	: 112.66 Sqm
Total Built-up Area	: 34341.85 Sqm
Total Green Area	: 1500 (22.06%) Sqm
Height of the Building	: 51.25 mts
No of Blocks	: A & B with 16 floors each.
No of Flats	: 176 (3BHK)

7. **Water requirement:** The source of water supply during operational phase will be borewells for which requisite approval from the CGWA has been applied for. The total water requirement for the proposed project is approx. 163 KLD, out of which total domestic water requirement is 147 KLD. The freshwater requirement is approx. 103 KLD. No Objection Certificate (NOC) for Ground Water Abstraction was obtained with NOC No. CGWA/NOC/INF/ORIG/2022/17056, valid from 17/11/2022 to 16/11/2027 for 97KLD.
8. **Wastewater Generation and Treatment:** The total domestic water requirement for this residential project will be 147 KLD and it is expected that the project will generate approx. 128 KLD of wastewater. The wastewater will be treated in onsite STP of 150 KLD capacity. The treated effluent will be reused for flushing, greenbelt and miscellaneous uses. Surplus treated effluent will be discharged to Recharge Trench.
9. **Rainwater harvesting:** Rainwater harvesting has been catered to and designed as per the guideline of CGWA. Peak hourly rainfall has been considered as 140 mm/hr. The recharge pit of dimensions 1.5mx1.5mx2m (Liquid Depth) is constructed for recharging the water. 11 Nos. rainwater harvesting pits are being provided for run-off from the site.
10. **Fire fighting details:** The height of the building is upto 51.25 mts. Fire Extinguisher, First Aid Hose Reel, Wet Riser, Yard Hydrant, Automatic Sprinkler System, Manually operated Electronic Fire Alarm System, Underground Static Water Tank including Water Curtain, Overhead Tank will be provided as safety measures in both the blocks. Internal road of 7.5 mt width has been demarcated for movement of fire vehicle
11. **Solid waste generation:** During the operation phase, estimated quantity of the waste shall be approx. 626 kg per day. Garbage will be 607.5 Kg/Day in which Biodegradable Waste 364.5 Kg/Day @ 60% will be treated in In-house Organic Waste Converter and Non-Biodegradable waste 243 Kg/Day @ 40% will be sent to Authorized Vendors as per SWM Rules 2016. Landscape waste will be 0.074 Kg/Day. STP Sludge generation will be 17.9 Kg/day.
12. **Power requirement in the project:** Electricity requirement for the apartment building will be 2060.11KW which will be supplied from TPCDOL. Out of the total electricity requirement 107.9 KW will be required for common area power load, common area light load and outdoor light and power. There will be electrical distribution transformers within the project site. DG Set of 2 Nos. of capacity 315 KVA has been proposed for the residential society to provide supply considering the critical loads for each application. Solar power generation is 103 KW from PV solar panels.
13. **Parking details:** Parking required as per BDA is 25% of proposed F.A.R which is 25% of 27099.52 sqm i.e., 6774.80 sqm. In terms of ECS @ 32 sqm - 210 ECS. Parking area provided is 7,713.09 sqm

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(basement parking – 4714.74 sqm + stilt parking - 2527.59 sqm +open parking - 470.76 sqm) in terms of ECS @ 32/23 sqm which is 255 ECS.

14. **Greenbelt:** Total green area measures 1500.0 m² (approx. 22.06% of the total plot area). Green Belt is 925.0 Sqm and Green Area is 575.0 Sqm. Evergreen tall and ornamental trees have been proposed to be planted inside the premises.
15. **Project cost:** The estimated cost of the upcoming residential project is INR 72.0 Crores. EMP cost is 60 lakhs (capital) and recurring 17 lakhs. For environmental protection measures a amount of Rs.74 Lakhs as capital cost and Rs.24.5 Lakhs as recurring cost has been earmarked.
16. **Environment Consultant:** The Environment consultant M/s **Right Source Industrial Solutions Pvt. Ltd.** along with the proponent made a presentation on the proposal before the Committee on dtd. 17.02.2023.
17. The SEAC in its meeting held on dated **17-02-2023** recommended the following:
 - A. **The proponent may be asked to submit the following for further processing of EC application:**
 - i) Land schedule and Kisam of land.
 - ii) Traffic study report and get vetted from reputed institute.
 - iii) Recalculate RWH by taking maximum rainfall into account.
 - iv) Drain connectivity and discharge point.
 - v) Break up calculation for solar power generation, consumption, roof top capacity, percentage contribute to power demand.
 - vi) Status of permission from Airport Authority about building height.
 - vii) Green belt is observed to be 13% and needs to be revised to meet the norm and revised plan/layout to be submitted
 - viii) Permission from appropriate authority for discharge of treated water to be provided.
 - B. **The proposed site shall be visited by Sub-Committee of SEAC to verify the followings**
 - i) Environmental settings of the project site.
 - ii) Construction activity, if any started at the site.
 - iii) Road connectivity to the project site.
 - iv) Drainage network at the site.
 - v) Discharge point for discharge of treated water and distance of the discharge point from the project site.
 - vi) Any other issues including local issues.
18. **The proposed site was visited by the sub-committee of SEAC on 29.03.2023. Following are the observations of the sub-committee:**
 - a) PP and Consultant were present along with other team members.
 - b) It was observed that the site is adjacent to a 40 ft. road.
 - c) The site was clean and no construction work carried out.
 - d) PP explained that as per plan the project will be of ZLD. However, rain water and excess treated water if any shall be allowed to fall in an existing Nallah through a drain to be constructed by them. Since the road is a private road, necessary POA to be taken from the land owner for constructing the drain. Any portion of drain if on Govt road, required permission also to be taken from the appropriate authority (BDA/BMC) (Conditions to be stipulated)
 - e) A Nallah was seen at a distance from the site. Permission to allow water as at d) above to be also taken from the appropriate authority (Conditions to be stipulated)
 - f) Trees are to be planted to comply green belt requirement.

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g) Documents asked during presentation needs to be submitted.

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

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of SEAC
1.	Land schedule and Kisam of land.	Plot No – 580,581,582,583,599, 581/1308,599/1134, Khata No – 229/320,229/893, 229/322, 229/1477, Mouza – Jagasara, Tahasil – Jatni, District – Khordha, Odisha. Attached Land documents as Annexure – I.	submitted
2.	Traffic study report and get vetted from reputed institute.	Traffic study Report was vetted by School of Civil Engineering KIIT Deemed to be University, Bhubaneswar. Attached Land documents Annexure – II.	Present Traffic is categorized under LOS is ‘A’, After 10 years, with/without project the LOS will be ‘B’ as vetted by School of Civil Engineering KIIT Deemed to be University, Bhubaneswar.
3.	Recalculate RWH by taking maximum rainfall into account.	8 No’s of Rain Water Harvesting pits area being proposed for artificial rain water recharge within the project premises. Calculation attached as Annexure –III.	8 No’s of Rain Water Harvesting pits has been proposed taking account peak rainfall intensity of 0.140m/hr.
4.	Drain connectivity and discharge point.	The drainage connectivity and discharge point layout attached as Annexure –IV. Drainage network will be developed by the Project Proponent.	Drainage map submitted.
5.	Break up calculation for solar power generation, consumption, roof top capacity, percentage contribute to power demand.	Solar Power utilization will be 7.1% The details are attached as Annexure – V.	Solar power consumption and total power usage is given. However, Break

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			up calculation for solar power generation is not submitted.
6.	Status of permission from Airport Authority about building height.	NOC ID: BHUB/EAST/B/102922/723896 NOC from AAI was obtained on 15.11.2023 valid upto 14.11.2030 Attached as Annexure – VI.	submitted
7.	Green belt is observed to be 13% and needs to be revised to meet the norm and revised plan/layout to be submitted	Not submitted	Not submitted
8.	Permission from appropriate authority for discharge of treated water to be provided	Not submitted	Not submitted

20. The SEAC in its meeting held on dated **12-07-2023** 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:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
1.	Break up calculation for solar power generation, consumption, roof top capacity, percentage contribute to power demand.	Solar power calculation has been attached for your reference as Annexure –I. The Solar power generation will be 150 KW with PV capacity as 1.5 KWh.
2.	Green belt is observed to be 13% and needs to be revised to meet the norm and revised plan/layout to be submitted.	Total Plot area 6,799.80 m ² Proposed Green belt area 1359m ² (19.98% of plot area) and green area is 325 Sq.m Total proposed area for green belt development is 1359 + 325 = 1684 Sq.m which is 24.76% of total plot area. The revised layout plan has been attached for your reference as Annexure –IV.
3.	Permission from appropriate authority for discharge of treated water to be provided.	Declaration letter has been attached for your reference as Annexure-II.
4.	Document with respect to POA from the land owner for constructing the	Declaration letter has been attached for your reference as Annexure-II.

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	drain (if it is passing through private land) and if through Govt. road, required permission from the appropriate authority (BDA/BMC etc) May be submitted as suggested during site visit.	
5.	A Nallah was seen at a distance from the site. Permission to allow water as above from the appropriate authority (if obtained or applied) to be submitted.	Acknowledgement letter has been attached for your reference as Annexure-III .

1. The SEAC in its meeting held on dated **17-11-2023** decided to take the decision on the proposal after receipt of the following from the proponent: The proponent has furnished the compliance and the SEAC verified the same as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of SEAC
i.	Permission from appropriate authority for discharge of treated water to be provided.	Declaration letter has been attached for your reference as Annexure-I .	Application to the Chief Engineer, Drainage Division, Cuttack, Odisha for vetting of EIDP of the proposed project has been submitted.
ii.	Document with respect to POA from the land owner for constructing the drain (if it is passing through private land) and if through Govt. road, required permission from the appropriate authority (BDA/BMC etc.) May be submitted as suggested during site visit.	An affidavit of undertaking by the project proponent has been submitted for your reference as Annexure – II .	-
iii.	A Nallah was seen at a distance from the site. Permission to allow water as above from the appropriate authority (if obtained or applied) to be submitted.	Acknowledgement letter of application has been attached for your reference as Annexure – I .	Application to the Chief Engineer, Drainage Division, Cuttack, Odisha for vetting of EIDP of the proposed project has been submitted.

Considering the information furnished and the presentation made by the consultant, **M/s Right Source Industrial Solutions Pvt. Ltd.** along with the project proponent.

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Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 01.05.2024 and the SEAC recommended for grant of Environmental Clearance valid for 10 years with stipulated conditions as per **Annexure – D** in addition to the following specific conditions.

- i) Affidavit has submitted by PP that they will construct drain for the above residential project at their own cost and expenses and will obtain clearance from private land owners as well as from Govt. Authority in which drain will be constructed to nearest available disposal point. The PP shall strictly follow it, failing to which EC shall be revoked.
- ii) The Proponent before implementation of the project shall convert the land to Gharabari and shall take the ownership of the land if not already taken.
- iii) The Proponent shall obtain permission/NOC from Executive Engg. (PHD) and / or from the appropriate authority for disposal of excess STP treated water to the nearest drain without which the Proponent will not start construction work. Also, in case of the connecting drain passing through others land (Govt. or Private land), the Proponent shall obtain the permission and possession as the case may be.
- iv) The proponent shall use solar energy at least to the tune of 5% of total power requirement as proposed.
- v) The proponent shall obtain permission from concerned Fire Safety Authority.
- vi) Trees located within the project area shall be transplanted to alongside the boundary green development area.
- vii) The proponent shall implement the Pollution Control Measures and safeguards as proposed in the Environment Management Plan (EMP) of project report.
- viii) The project proponent shall maximise utilisation of treated water in flushing, plantations and ground washings etc. as per need to reduce water discharge to drain. This shall be verified in future compliance report.
- ix) The PP will not commence construction unless the drain lay out is finalized and permission given for the same by the authority to discharge excess treated water & storm water.
- x) 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.
- xi) All compliances submitted/ committed by PP(s) shall be strictly adhered to them in addition to all the conditions/ specific conditions of EC.

Decision of Authority:

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PARIVESH 1.0, AGENDA No.168.18	
Proposal No.	SIA/OR/INFRA2/446425/2023
Date of application	12.10.2023
File no.	446425/515-INFRA2/10-2023
Project Type	New EC
Category	B
Project/Activity including Schedule No.	8(a) Building & Construction project
Name of the Project	Proposal for EC of M/s. Sthaapaty Pvt. Ltd for Proposed (2b+G+12) Multi Storied Residential Apartment over an built-up area located at Plot No.- 361, Khata No-212, Mouza-Bandhachhada & Kacharamala, Tahasil-Cuttack, Dist-Cuttack of Sri Abinash Dash
Name of the company/Organization	M/s. Sthaapaty Pvt. Ltd.
Location of Project	Mouza-Bandhachhada & Kacharamala, Tahasil-Cuttack, Dist-Cuttack
ToR date	N/A
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 SEAC/SEIAA, are given as under.

1. This proposal is for Environmental Clearance of M/s Sthaapaty Pvt. Ltd for Proposed (2B+G+12) Multi Storied Residential Apartment over an built-up area located at Plot No.- 361, Khata No-212, Mouza-Bandhachhada & Kacharamala, Tahasil- Cuttack, Dist-Cuttack of Sri Abinash Dash.
2. **Category:**The project falls under category “B” or activity 8 (a)-Building & Construction Project under EIA Notification dated 14th September 2006 as amended from time to time.
3. **Location and Connectivity** – The proposed site is located at Mouza- Bandhachhada and Kachramala, Tehsil- Cuttack, Dist- Cuttack, Odisha. The Geographical co-ordinate of the project site is Latitude 20°22'05.00"N & Longitude 85°53'18.9"E. The project site is well connected with the National Highway-16 & Puri-canal Road located at the distance of 0.2 Km & 0.03 km respectively. The nearest Railway station is Bhubaneswar Railway Station at a distance of approximately 12.2 Km from the project site. The nearest Airport is Biju Patnaik International Airport, Bhubaneswar which is at a distance of 14.5 Km from the project site. Kuakhai River is at a distance of 0.5 km from project site.
4. The site is coming under Cuttack Municipal Corporation (CMC).
5. The total plot area is 6152.854 sq.mt. with total built-up area 24535.357 sq.mt.
6. Details of the Project in tabulated form

Particular	Permissible	Proposed
Project Name	Proposed 2B+G+12 th Multi Storied Residential Apartment	
Plot Area	6152.854 sqm	
Ground Coverage		2082.125 sqm (33.84%)
FAR	7.5	3.987

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Total Built up Area	--	24535.357 sqm
Maximum Height	--	40.9
Road Area	--	1700 sqm
Open Visitor Parking	--	88 sqm.
Basement Parking	--	4547.939 sqm
Open Parking	--	88.00 sqm
Total Parking Area	7360.60 sqm (30% of FAR Area)	9183.878 sqm.
Green Area	1,230.57 sqm (20% of Plot Area)	1,384.57 sqm (22.5% of Plot Area)
Maximum No. of Floor	--	2B+G+12 th
Power/Electricity Requirement & Sources	--	1839.6 KW Source: TPCODL
No. of DG sets	--	2x500 KVA
Solar Energy	--	101.5 KW (5.5 %)
Water requirement & Sources	--	103.0 KLD
Waste Water Generation	--	132.7 KLD
Sewage Treatment & Disposal	--	STP Capacity – 150 KLD
Solid Waste Generation	--	583.3 kg/day
No. of Dwelling Unit	--	184 nos.
Estimated Population-Residential, Floating/visitors	--	Residential- 1112 Nos. Floating- 111 Nos.

7. **Statutory clearances:** CDA has provisionally approved the building plan vide Letter No. 1586/CMC, dated: 26.10.2022. Ground Water Clearance obtained from CGWA vide NoC No. CGWA/NOC/INF/ORIG/2023/18573, dated 22.05.2023. Height clearance obtained from Airport Authority of India (AAI) vide NOC ID BHUB/EAST/B/111422/726399, dated 26.12.2022. Water & Sewerage connection from WATCO Cuttack vide letter no. 2214, dated 14.02.2023. Fire recommendation obtained from Odisha Fire Services vide recommendation No. RECOMM1 101020042022000946, dated 08.12.2022. Electricity permission obtained from TPCODL vide Letter No. TPCODL/CED/TECH/No. 667, dated 24.02.2023.

8. **Water requirement:** Fresh make up water of quantity 103.0 m³/day will be required for the project which will be sourced from Ground Water.

Sl. No.	Description	Total Population	Per Capita Consumption (ltr/day)	Water Requirement (KLD)		
				Domestic	Flushing	Total
1.	Residential Building	1112 nos.	135	100.08	50.04	150.12
2.	Visitor @ 10 %	111 nos.	45	2.77	2.22	4.99
TOTAL				102.85 103	≈ 52.26 ≈ 53	155.11 ≈ 156

9. **Waste water generation and management:** Total waste water generated from the proposed building will be 132.7 KLD which is treated in STP of capacity 150.0 KLD.

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Details of waste water calculation	Water (KLD)
Water requirement for domestic purpose	103.0
Wastewater generated from domestic use (@ 80% of domestic water requirement)	82.4
Water requirement for Flushing Purpose	53.0
Wastewater generated from Flushing (@ 95% of flushing requirement)	50.3
Total Wastewater generated	82.4+50.3 = 132.7 KLD
Sewage Treatment Plant Capacity	150 KLD
STP Loss (5 % of wastewater generation)	6.6
Recycled water form STP @ 95% of wastewater generated	126.0

10. **Power requirement:** Total Power requirement of the proposed residential building is 1839.6 KW, Source is TPCODL, 2x500 KVA DG Set will be provided. Total 101.5 KW Solar Power Generation which is 5.5% of total power required in project.

Total Power Requirement	1839.6 KW
Power from Solar System	101.5 KW
Source	TPCODL
Back up Power	2 x 500 KVA DG sets will be provided.

11. **Rain Water Harvesting:** Total 137 cum Rain Water will be harvested through 14nos. of recharge pits.

12. **Parking Requirement:** Total parking area of 9183.878 Sq.mt. will be provided and total 288 nos. of ECS and location of parking area is Basement.

Parking Area Provided			
Basement Parking			9095.878 sqm
Open Parking			88.000 sqm
Total Parking	--	--	9183.878 sqm
Equivalent Car Space Provided			
	Area (sqm)	Area/ECS	
Basement Parking	9095.878	32	284 ECS
Open Parking	88 sqm	25	4 ECS
Total Parking Provided			288 ECS
Total Four Wheeler Parking			184 Nos.
Total Two Wheeler Parking			150 Nos.
Parking for Visitor (10%)			918.4 sqm

13. **Green Belt Development:** Greenbelt will be developed over an area of 1,384.57 sqm which is 22.5% of the total plot area. Total 80 nos. of plants to be planted.

14. **Solid Waste Management:** Solid waste generated and its management.

Detail of Solid Waste Management

S. No.	Category	Counts (heads)	Waste generated (kg/day)
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1.	Residents	1112 @ 0.45 kg/day	500.4
2.	Floating	111 @ 0.15 kg/day	16.6
3.	STP sludge		66.3
Total Solid Waste Generated			583.3 kg/day

15. **Project cost:** The estimated project cost is 45.0 Crores and cost for EMP is 1.7 Crores.

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

17. The SEAC in its meeting held on dated **21-11-2023** recommended the following:

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

- i) Supporting document with layout plan for approach road and permission from concerned authority for usage.
- ii) NOC/permission from concerned authority for discharge of treated waste water into the nearby drains.
- iii) Brief write up on present road connectivity status to the proposed project.
- iv) Revisit the water balance to reduce the water discharge.
- v) Traffic study report vetted by institute of repute.
- vi) RL of ground water level during monsoon and rainy season, Plinth reduced level; Bottom reduced level of discharge pit, ground water level.
- vii) Structural stability certificate vetted by institute of repute.
- viii) Details of Fire Recommendations.

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

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

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	Views of SEAC
1.	Supporting document with layout plan for approach road and permission from concerned authority for usage.	Tahasildar Letter regarding Demarcation of land for Construction of Road from NH- 16 to Puri Main Canal (0/000 Km to 0/322 Km) over Plot No. 369 & Plot No. 370 is attached in Annexure-1 .	Copy submitted
2.	NOC/permission from concerned authority for discharge of treated waste water into the nearby drains.	The treated waste water from Sewage Treatment Plant will be discharged to nearest municipal drain. WATCO has issued the NoC	NOC from WATCO who have clearly replied that as

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		vide letter no. 2214, dated 14.02.2023 for Water & Sewerage connection to the proposed site. WATCO letter is attached in Annexure-2 and we have already submitted the EIDP Plan to the concerned authority. EIDP drawing is attached in Annexure-3 .	there is no water supply and sewage drains available, the PP needs to do necessary arrangements.
3.	Brief write up on present road connectivity status to the proposed project.	The present road connectivity to the proposed project site is near to the Puri main canal road which is connected to the project site.	-
4.	Revisit the water balance to reduce the water discharge.	Total fresh water requirement of the project is 103.0 KLD & flushing water requirement of the project is 53.0 KLD. Total wastewater generated from the project is 132.7 KLD which is treated in 150.0 KLD Sewage Treatment Plant & the treated water available from the STP is 126.0 KLD which is reused in Flushing (53.0 KLD), Dust Suppression (12.5 KLD), Landscaping (15.5 KLD) & 45.0 KLD treated water will be discharged to nearest drain. So we are reduced the treated waste water discharged to drain from 62.9 KLD to 45.0 KLD. Revised water balance is attached in Annexure-4 .	Total Fresh water – 103.0KLD. Treated water discharge to drain in Monsoon period-62.9KLD and Non Monsoon Period – 45.0KLD
5.	Traffic study report vetted by institute of repute.	Traffic Study Report has been vetted by IIT Bhubaneswar on 14.02.2024. Vetted Traffic Study Report is attached in Annexure-5 .	From the study, it is observed that there is an insignificant change (in the year 2034-2035) in the Level of Service (LOS) of the road (NH-16) due to the addition of traffic that is likely to be generated

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			from the project site. As per Comprehensive Development Plan 2030 (CDP) prepared by IIT Kharagpur for greater Bhubaneswar, the road will be expanded, which will make the road more comfortable for the users and elevate the LOS of the road from very good to excellent status.
6.	RL of ground water level during monsoon and rainy season, Plinth reduced level; Bottom reduced level of discharge pit, ground water level.	A detailed contour survey has been made and drainage plan has been prepared. The height of the drain & Ground Level will be maintained. EIDP drawing is already attached in Annexure-3 .	---
7.	Structural stability certificate vetted by institute of repute.	Structural Design has been vetted by Department of Civil Engineering, Indian Institute of Technology, Guwahati on 21.02.2024. Structural Stability Certificate is attached in Annexure-6 .	---
8.	Details of Fire Recommendations.	The Fire Safety Clearance has been recommended by Odisha Fire Services vide recommendation letter no. RECOMM1101020042022000946, dated 08.12.2022. Recommendation letter is attached in Annexure-7 .	---

19. The proposed site was visited by the sub-committee of SEAC on **29.03.2024**. Following are the observations of the sub-committee:

- a) The site is connected to a road of about 200ft under construction by PWD which would connect the NH, PP to submit document in support of the same.
- b) The land was empty without any constructional activity
- c) There is a drain available at the side of the Canal Road which could be connected from the site. However, the PP needs to take permission for drain connection for discharge of storm and excess

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treated water from the appropriate authority before construction.

- d) Layout plan was explained by the PP along with details of building and safety corridor. It was advised to revise the gate width to 7.5 mt minimum, shops inside the premise to be operated only for residents and no commercial purpose.
- e) As the land is low lying, proper terrain management to be done to avoid water logging during rain.
- f) All other points asked during presentation to be complied.

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.

2. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 01.05.2024 and the SEAC recommended for grant of Environmental Clearance valid for 10 years with stipulated conditions as per **Annexure – E** in addition to the following specific conditions. **However, SEIAA, Odisha may consider to issue EC, after the Project Proponent submit an undertaking inform of legal affidavit that they shall make necessary arrangement to adopt Zero Liquid Discharge (ZLD) and / or construct drain for discharge of treated water, after acquiring land (Govt. or Private land) obtaining permission and possession as the case may be before going for construction of the project, as there is a drain available at the side of the Canal Road which could be connected from the site as observed during site visit and also same has been informed by the concerned authority to the Project Proponent.**

- i) The Proponent before implementation of the project shall convert the land to Gharabari and shall take the ownership of the land if not already taken.
- ii) The Proponent shall obtain permission/NOC from Executive Engg. (PHD) and / or from the appropriate authority for disposal of excess STP treated water to the nearest drain without which the Proponent will not start construction work. Also, in case of the connecting drain passing through others land (Govt. or Private land), the Proponent shall obtain the permission and possession as the case may be.
- iii) The proponent shall use solar energy at least to the tune of 5% of total power requirement as proposed.
- iv) The proponent shall obtain permission from concerned Fire Safety Authority.
- v) Trees located within the project area shall be transplanted to alongside the boundary green development area.
- vi) The proponent shall implement the Pollution Control Measures and safeguards as proposed in the Environment Management Plan (EMP) of project report.
- vii) The project proponent shall maximise utilisation of treated water in flushing, plantations and ground washings etc. as per need to reduce water discharge to drain. This shall be verified in future compliance report.
- viii) All compliances submitted/ committed by PP(s) shall be strictly adhered to them in addition to all the conditions/ specific conditions of EC.
- ix) The proponent shall obtain permission from Water Resources department, Odisha for use of ground water.
 - x) The PP shall ensure permissions for discharge of treated / excess rain water in drains constructed by them / or BMC before starting the construction work.
- xi) The project proponent has to obtain necessary permission from the CGWA / CGWB/ water resource department along with other conditions related to portability of the ground water for use of ground water during the operational phase of the project till WATCO supply of water is made available at the project site.

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- xii) The width of the gate needs to be 7.5 mt minimum.
- xiii) Shops inside the premise to be operated only for residents and no commercial purpose.
- xiv) As the land is low lying, proper terrain management to be done to avoid water logging during rain.
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.

Decision of Authority:

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PARIVESH 1.0, AGENDA No.168.19	
Proposal No.	SIA/OR/INFRA2/453486/2023
Date of application	30.11.2023
File no.	453486/127-INFRA2/11-2023
Project Type	New EC
Category	B
Project/Activity including Schedule No.	8(a) Building & Construction project
Name of the Project	Proposal for EC of M/s. GD Constructions for Residential Apartment Building 'Arka Heights' with total built-up area 35,393.31m ² at Mouza-Haladiapadar, Tahasil - Kanisi, District-Ganjam of Sri Bikram Kumar Panigrahi
Name of the company/Organization	M/s. GD CONSTRUCTIONS
Location of Project	Mouza-Haladiapadar, Tahasil - Kanisi, District-Ganjam
ToR date	N/A
Name of Consultant	M/s Grass Roots Research & Creation India (P) Ltd., Noida

Proposal in brief:

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

- This proposal is for Environmental Clearance of M/s GD Constructions for Residential Apartment Building 'Arka Heights' with total built-up area 35,393.31m² at Mouza - Haladiapadar, Tahasil - Kanisi, District - Ganjam of Sri Bikram Kumar Panigrahi.
- Category:** As per the EIA Notification, 2006 and its subsequent amendments, the proposed project falls under 8 (a): Building & Construction projects.
- Location and Connectivity:** The project site is located at Plot No.- 2209, Khata No. 227, Mouza-Haladiapadar, Tehsil - Kanisi, District - Ganjam, Odisha. The geographical co-ordinates of project site are 19°17'05.97"N and 84°46'52.37"E and the project is a part of the Survey of India Toposheet no. E45A15. The Gosaninuagan Road is at 0.25 km towards NE direction. The nearest Highway is NH-16 which is 0.7 km towards SSE direction, NH-59 is 3.6 km towards NE direction, NH-516 is 7.2 km towards ENE direction, NH-516A is 12.1 km towards East direction, SH-22 is 3 km towards NW direction, SH-17 is 4.5 km towards N direction, SH-32 is 9.8 km towards ENE direction and SH-36 is 14.2 km towards NE direction. The nearest Railway Station is Berhampur Railway Station is about 2 km (NE) away from the project site. Nearest airport is Biju Patnaik International Airport is at 151.5 km (NE) from project site.
- The site is coming under Brahmapur Development Authority.
- The plot area is 7,768.56 m² (1.92 acres) with total built-up area 35,393.31 m².

6. The Building Area Details of the Project is:

S. No.	Particulars	Area (m ²)
i)	Total Plot Area	7,768.56
	Road Widening	275.92
	Net plot area	7,492.64
ii)	Permissible Ground Coverage (@ 40 % of the net plot area)	2,997.056

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iii)	Proposed Ground Coverage (@30.63 % of the net plot area)	2,294.995
iv)	Permissible FAR (@4.00)	29,970.56
v)	Proposed FAR (@3.49)	26,149.313
vi)	Non FAR Area	9,243.997
vii)	Built-up Area (5+6)	35,393.31
viii)	Proposed Parking	8,367.38
ix)	Landscape Area (@ 20% of net plot area)	1,486.528
x)	Maximum Height of the Building (m)	41.6 m

7. **Water Requirement: In ADS revised water balance has been submitted. Fresh water requirement is now-106KLD. The treated effluent will be reused for flushing & horticulture. 68 KLD Surplus treated effluent will be discharged to external sewer in monsoon and 58 KLD in summer season.**

8. **Water Requirement was submitted during presentation** - During operation phase, the source of water supply will be Ground water. The total water requirement for the project will be approx. 166 KLD out of which domestic water demand is 158 KLD. The freshwater requirement will be 104KLD. NOC from CGWA has been obtained vide no. CGWA/NOC/INF/ORIG/2022/17059 valid from 17th Nov. 2022 to 16th Nov. 2027.

S. No	Description	Occupancy	Rate of water demand (LPCD)		Total Water Requirement (KLD)		
			Fresh	Flushing	Fresh	Flushing	Total
A	Domestic Water						
	Residents	1116	90	45	100.44	50.22	150.66
	Staff (Maintenance, Commercial, Community)	80	25	20	2	1.6	3.6
	Visitors(Maintenance, Commercial, Community)	251	5	10	1.25	2.51	3.76
					104 KLD	54 KLD	158 KLD
Total Domestic Water =158KLD							
B	Horticulture	1,486.528m ²	4 l/sqm		6 KLD		
C	Make Up water for Swimming Pool (43.3 sqm)	43.3 sqm x 0.9 @5% of water			2 KLD		
Grand Total (A+B+ C) = 166 KLD							

9. **Wastewater generation:** It is expected that, the project will generate approx. 137 KLD of wastewater. The wastewater will be treated in onsite STP of 165 KLD capacity. The treated effluent will be reused for flushing & horticulture. 68 KLD Surplus treated effluent will be discharged to external sewer in monsoon and 63 KLD in summer season.

Domestic Water Requirement	158 KLD
• Fresh	104 KLD
• Flushing	54 KLD
Wastewater [@80% fresh + 100% flushing]	83.2 + 54 = 137 KLD
STP Capacity (~20 % higher than waste water)	165 KLD

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10. **Power Requirement:** The power supply will be through State Electricity Board. The total maximum demand is estimated as 988 KW. 10% i.e., 98.8 KW energy will be saving from total energy load (5% i.e., 49.4 KW through solar and 5% i.e., 49.4 KW through LED). Solar energy will be utilized for street lighting, solar blinkers and signage to reduce electricity consumption. There is provision of 2 nos. of DG sets of total 1,500 kVA (1 x 750 kVA + 1 x 750 kVA) capacity for power back up. The DG set will be equipped with acoustic enclosure to minimize noise generation and adequate stack height for proper dispersion as per CPCB norms.
11. **Rainwater Harvesting:** 3 RWH tanks of 162.5 m³ capacity each are proposed to collect rainwater for 578.338 m³ runoff load.
12. **Parking Requirement:** Proposed Parking Area = = 8,367.38 m² [i.e., 7,128.23 m² (Covered parking) + 1,239.15 m² (Open parking)]. Total 277 ECS is proposed.
13. **Fire Fighting Installation:** Fire fighting measures will be adopted as per the guidelines of NBC. External yard hydrants shall be installed around all buildings in the complex in galvanized steel fire house cabinet (weatherproof). All external yard hydrants shall be at one meter height from finished ground level as per NBC at a distance of 60 m along the road. External fire hydrants shall be located such that no portion of any building is more than 45 m from a hydrant and the external hydrants are not vulnerable to mechanical or vehicular damage.
14. **Green Belt Development:** In ADS revised green area has been submitted. The green area has been increased from 1,486.528 sqm (20%) to 2,715 sqm (36%), out of which 24% is on native/mother earth and rest 12% is landscape over basement.
15. **Greenbelt was submitted during presentation** Green Belt will be developed over an area of 7,492.64 m² which is 20% of total plot area. Total 100 Nos. of plants to be planted and 3m spacing between plants and it will be 2 tier plantations.
16. **Solid Waste Management:** During the operation phase, waste will comprise domestic as well as horticultural waste. The solid waste generated from the project shall be 100pprox.. 634 kg per day (@ 0.5 kg per capita per day for residents, @ 0.15 kg per capita per day for the visitor, 0.25 kg per capita per day for the staff members and landscape waste @ 0.2 kg/acre/day).

S. No.	Description	Occupancy	Waste Generated (kg/capita/day)
1.	Domestic Solid Waste		
	Residents	1116	0.5
	Staff	80	0.25
	Visitors	251	0.15
2.	Horticultural Waste (0.148 acre)	@ 0.2 kg/acre/day	
3.	STP Sludge	Waste water x 0.35 x B.O.D difference/1000	
	Total	634 kg/d	

17. **Project cost:** The estimated Project cost is 90.12 Crores (Land and Development Cost) and cost form EMP is 31.659 lakhs (capital cost) and 16.914 lakhs(recurring cost).

COMPONENT	CAPITAL COST (INR LAKH)	RECURRING COST (INR LAKH/YR)
Sewage Treatment Plant	16.5	4.125

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Rain Water Harvesting System	3	0.75
Solid Waste Management	1.268	0.317
Environmental Monitoring	0	9
Green Area/ Landscape Area	0.891	0.222
Others (Energy saving devices, miscellaneous)	10	2.5
Total	31.659	16.914

18. **Environment Consultant:** The Environment consultant **M/s Grass Roots Research & Creation India (P) Ltd. Noida** along with the proponent made a presentation on the proposal before the Committee.

19. The SEAC in its meeting held on **27-12-2023** the SEAC recommended the following:

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

- i. The project proponent shall increase the greenbelt area up to 20% excluding Landscape.
- ii. The proposed water discharge is high. The PP shall revisit the water balance and reduce the water discharge by keeping a provision to increase the greenbelt.
- iii. There is a school nearby to the project site. Thus, the PP shall take additional safety measures for protecting school children from pollution particularly during construction phase.
- iv. Permission copy from Chief Engineer, Drainage Department for discharge of treated water and storm water to the nearest municipal drain.
- v. Layout of proposed internal drainage connecting to main municipal drain to be submitted along with necessary approval of the competent authority.
- vi. Copy of Structural Stability Certificate.
- vii. The PP shall ensure that the project site shouldn't be an obstacle in the operations of airport. Permission for the same shall be obtained from Airport Authority of India.
- viii. Source of water and its quantity during construction / project execution phase to be provided.

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

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

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

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of SEAC
i.	The project proponent shall increase the greenbelt area up to 20% excluding Landscape.	As suggested by esteemed committee members, we have increased the green area from 1,486.528 sqm (20%) to 2,715 sqm (36%), out of which 24% is on native/mother earth and rest 12% is landscape over basement. Layout for the same is enclosed as Annexure-I .	The green area from 1,486.528 sqm (20%) to 2,715 sqm (36%), out of which 24% is on native/mother

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			earth and rest 12% is landscape over basement.
ii.	The proposed water discharge is high. The PP shall revisit the water balance and reduce the water discharge by keeping a provision to increase the greenbelt.	We have increased the green area from 1,486.528 sqm (20%) to 2,715 sqm (36%), wherein, STP treated water will be reused for horticulture, thereby reducing treated water discharge. Revised water balance is attached as Annexure-II.	Fresh water requirement is now-106KLD. The treated effluent will be reused for flushing & horticulture. 68 KLD Surplus treated effluent will be discharged to external sewer in monsoon and 58 KLD in summer season.
ii.	There is a school nearby to the project site. Thus, the PP shall take additional safety measures for protecting school children from pollution particularly during construction phase.	As suggested by SEAC, we would develop a thicker greenbelt towards the northern side of project boundary to act as a barrier between site and the nearby school. During Construction phase, transportation of construction material and waste will be done through covered trucks and site will be barricaded to restrict dust emissions.	-
iv.	Permission copy from Chief Engineer, Drainage Department for discharge of treated water and storm water to the nearest municipal drain.	Receipt of payment done to EIDP is enclosed as Annexure-III. The discharge point for excess STP treated water will be connected to the trunk line as per EIDP or Shakti Nagar Main drain which is 150-200 meter from Project site.	complied
v.	Layout of proposed internal drainage connecting to main municipal drain to be submitted along with necessary approval of the competent authority.	Internal drainage plan showing enclosed as Annexure-IV.	complied
vi.	Copy of Structural Stability Certificate.	Vetting of Structural design has been done by Department of Civil Engineering, NIT Rourkela. Copy attached as Annexure-V.	complied
ii.	The PP shall ensure that the	Behrampur Airport is approx. 9.8 km in NE	Zoning map of

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	project site shouldn't be an obstacle in the operations of airport. Permission for the same shall be obtained from Airport Authority of India.	direction from project site. Since it is being used for Cargo operations with very limited operations. Further, our site falls in Grid 6, perpendicular to the airport funnel wherein, permissible top elevation is 182m, whereas, the maximum building height of our project is 41.6 m. Therefore, there will be no obstruction in the operation of flights due to our project and AAI NOC is not required. Zoning map of Berhampur from Airport Authorities of India showing permissible elevation level is enclosed as Annexure-VI .	Berhampur from Airport Authorities of India showing permissible elevation level has been submitted.
ii.	Source of water and its quantity during construction / project execution phase to be provided.	Source of water during construction/project execution phase will be ground water and the quantity of the same is 75 KLD and 167 KLD respectively. CGWA NOC is enclosed as Annexure-VII .	NOC from CGWA has been obtained for 100KLD valid till 2027.

21. The proposed site was visited by the sub-committee of SEAC on **24.02.2024**. Following are the observations of the sub-committee:

- a) The site was clean and no construction exists. It is approachable by about 30 ft. road.
- b) There is no approach drain near to land. The PP explained that, they have deposited certain amount for development of drain. PP was asked to submit documentary evidence for drain with corresponding land and permission to discharge excess treated water.
- c) Permission for water supply to be submitted.
- d) Traffic corridors layout to be submitted.
- e) All other points asked during presentation to be complied.

Considering the information furnished and the presentation made by the consultant, **M/s Grass Roots Research & Creation India (P) Ltd., Noida** along with the project proponent,

Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 01.05.2024 and 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 without which the Proponent will not start construction work. Also, in case of the connecting drain passing through others land (Govt. or Private land), the Proponent shall obtain the permission and possession as the case may be.
- iii) The proponent shall use solar energy at least to the tune of 5% of total power requirement as proposed.
- iv) The proponent shall obtain permission from concerned Fire Safety Authority.
- v) The proponent shall obtain permission for water supply.
- vi) The proponent shall abide by Traffic corridors layout as per Traffic Study Report.
- vii) Trees located within the project area shall be transplanted to alongside the boundary green

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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) 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.
- xi) All compliances submitted/ committed by PP(s) shall be strictly adhered to them in addition to all the conditions/ specific conditions of EC.

Decision of Authority:

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PARIVESH 2.0, AGENDA No.168.01	
Proposal No.	SIA/OR/MIN/469657/2024
Date of application	17.04.2024
File no.	469657/180-MIN/04-2024
Project Type	Proposal for Amendment of EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Amendment of EC of Balipokhari Sand Quarry Jagannathprad over an area 4.95 hectares or 12.36 Acres in Village Jagannathp under Bhandaripokhari Tahasil Bhadrak District, Odisha
Name of the company/Organization	Sri S.S. Padhi
Location of Project	Village Jagannathp under Bhandaripokhari Tahasil Bhadrak District, Odisha

2. Proposal in brief:

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

- (ix) This is a proposal for amendment of EC of Balipokhari Sand Quarry Jagannathprad over an area 4.95 hectares or 12.36 Acres in Village Jagannathp under Bhandaripokhari Tahasil Bhadrak District, Odisha.
- (x) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. /EC Identification No. – 9732/SEIAA dt. 25.11.2020 & EC transfer vide letter no. 4388/SEIAA dt. 27.04.2022 for Balipokhari Sand Quarry Jagannathprad over an area 4.95 hectares or 12.36 Acres in Village Jagannathp under Bhandaripokhari Tahasil Bhadrak District, Odisha.
- (xi) During EC application the PP has submitted required documents along with mining plan where it is mentioned that mineable reserve of the proposed sand bed is 55860 cum with depth of sand deposition was 3.0 meter and proposed for annual extraction-43861 cum.
- (xii) The SEIAA allowed 43861 cum of sand for 1st year production with depth of mining 0.5 meter.
- (xiii) There is an EC conditions point no. 9.1 to 9.2 in page no. 04 that “Pending carrying out of the study & submission of the report, this clearance is being granted in an adhoc manner and is liable to be revoked after one year i.e. after 15th November 2021, if satisfactory replenishment study report is not submitted.”
- (xiv) EC amended on 27.01.2023 and production quantity allowed 31380 cum/annum for rest of the lease period. Now, proposal for amendment of as replenishment study report.
- (xv) The PP has mentioned that 8473 cum of sand has been extracted from the source in 1st year lease period.
- (xvi) The PP has submitted replenishment study report was done by M/s GEOID RESOURCES PVT. LTD. ORSAC Empanel agency with mentioned that Pre-Monsoon reserve = 46741 cum, Post-Monsoon reserve = 61353 cum and quantity of sand replenished is **13705 cum** and proposed production 13705 cum.
- (xvii) Any deficiencies/omission have been noticed in the above documents- Nil

2. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 04.05.2024 and the SEAC recommended for sand mining of **13705.00 cum** equivalent to replenished sand quantity in common safe workable area subject to Modification of Mining Plan.

Decision of Authority:

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PARIVESH 2.0, AGENDA No.168.02	
Proposal No.	SIA/OR/MIN/469863/2024
Date of application	18.04.2024
File no.	469863/184-MIN/04-2024
Project Type	Proposal for Amendment of EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Amendment of EC of Uppalada Sand Quarry Over an area of 3.1868 Ha. or 7.875 Acre in Khata No.- 376, Plot No.- 748 in Village/ Mouza- Uppalada, Tahasil- Paralakhemundi, District- Gajapati, Odisha
Name of the company/Organization	Sri Kodi Yugandhar Rao
Location of Project	Village/Mouza-Uppalada, Tahasil- Paralakhemundi, District- Gajapati, Odisha

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.

- (xviii) This is a proposal for amendment of EC of Uppalada Sand Quarry Over an area of 3.1868 Ha. or 7.875 Acre in Khata No.- 376, Plot No.- 748 in Village/ Mouza- Uppalada, Tahasil-Paralakhemundi, District- Gajapati, Odisha
- (xix) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. /EC Identification No. – EC22B001OR194960 dt. 22.02.2022 for Uppalada Sand Quarry Over an area of 3.1868 Ha. or 7.875 Acre in Khata No.- 376, Plot No.- 748 in Village/ Mouza- Uppalada, Tahasil-Paralakhemundi, District- Gajapati, Odisha.
- (xx) During EC application the PP has submitted required documents along with mining plan where it is mentioned that mineable reserve of the proposed sand bed is 16720 cum with depth of sand deposition was 1.0 meter and proposed for annual extraction-5400 cum.
- (xxi) The SEIAA allowed 3200 cum of sand for 1st year production with depth of mining 0.5 meter.
- (xxii) There is an EC conditions point no. 7.1 to 7.2 in page no. 04 that “Pending carrying out of the study & submission of the report, this clearance is being granted in an adhoc manner and is liable to be revoked after one year i.e. after November 2022, if satisfactory replenishment study report is not submitted.”
- (xxiii) The PP has mentioned that 3200 cum of sand has been extracted from the source in 1st year lease period.
- (xxiv) The PP has submitted replenishment study report was done by M/s RIGHT SOURCE INDUSTRIAL PVT.LTD., the NABET consultant with mentioned that Pre-Monsoon Standard Elevation = 67.48m, Post-Monsoon Standard Elevation = 67.82m and quantity of sand replenished is **3304 cum** and proposed production 3304 cum.
- (xxv) Any deficiencies/omission have been noticed in the above documents- Nil

3. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 15.05.2024 and the SEAC recommended the following:

- i) From KML file it is observed that the width of the river is 50 meters to 70 meters (not 100-150 meter as mentioned in report) and the lease area is aligned to it.
- ii) There is concave bend at the end & at the beginning of the lease area. This area needs to be excluded for sand mining purpose.

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iii) Common safe workable area is 9720 m² with average height 0.34m. The replenished sand volume deposited is 3304cum. The SEAC decided to recommend the proposal, sand mining may be allowed for **3304 cum** subject to approval of re vised Mining plan

Decision of Authority:

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PARIVESH 2.0, AGENDA No.168.03	
Proposal No.	SIA/OR/MIN/468458/2024
Date of application	17.04.2024
File no.	468458/182-MIN/04-2024
Project Type	Proposal for Amendment of EC
Category	B1
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Amendment of EC of Gunupur Sand Bed-I over an area of 15.00Acres or 6.070Ha in the village-Gunupur, Tahasil-Gunupur, District- Rayagada, Odisha
Name of the company/Organization	Sri Jashwant Bauri
Location of Project	village-Gunupur, Tahasil-Gunupur, District- Rayagada, Odisha
<p>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.</p> <p>(i) This is a proposal for amendment of EC of Gunupur Sand Bed-I over an area of 15Acres or 6.070Ha in the village-Gunupur, Tahasil- Gunupur, District- Rayagada, Odisha.</p> <p>(ii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. /EC Identification No. – EC22B001OR123629 dt. 22.07.2022 for Gunupur Sand Bed-I over an area of 15Acres or 6.070Ha in the village-Gunupur, Tahasil- Gunupur, District- Rayagada, Odisha.</p> <p>(iii) During EC application the PP has submitted required documents along with mining plan where it is mentioned that mineable reserve of the proposed sand bed is 52113 cum with depth of sand deposition was 1.0 meter and proposed for annual extraction-15050 cum.</p> <p>(iv) The SEIAA allowed 5000 cum of sand for 1st year production with depth of mining 0.5 meter.</p> <p>(v) There is an EC conditions point no. 7.1 to 7.2 in page no. 04 that “Pending carrying out of the study & submission of the report, this clearance is being granted in an adhoc manner and is liable to be revoked after one year i.e. after November 2023wsa, if satisfactory replenishment study report is not submitted.”</p> <p>(vi) The PP has not submitted any information regarding quantity of sand extracted from the source in 1st year lease period.</p> <p>(vii) The PP has submitted replenishment study report was done by M/s Geocon Survey Pvt. Ltd., the ORSAC empanel agency with mentioned that Pre-Monsoon Standard Elevation = 83.27, Post-Monsoon Standard Elevation = 84.47m and quantity of sand replenished is 17569 cum and proposed production 10500 cum.</p> <p>(viii) Any deficiencies/omission have been noticed in the above documents- Nil</p>	
<p>2. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 15th & 16th May 2024 and the SEAC decided to recommend the proposal for second year, sand mining may be allowed for 17569 cum subject to approval of revised Mining plan</p>	
<u>Decision of Authority:</u>	

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PARIVESH 2.0, AGENDA No.168.04	
Proposal No.	SIA/OR/MIN/469449/2024
Date of application	16.04.2024
File no.	469449/175-MIN/04-2024
Project Type	Proposal for Amendment of EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Amendment of EC of Birupa River Sand Bed Ramdaspur-1 over an area of 7.00 acres or 2.83 hectares In Village Ramdaspur of Darpan Tahasil of Jajpur District, Odisha
Name of the company/Organization	Sri Subash Beherai
Location of Project	Village Ramdaspur of Darpan Tahasil of Jajpur District, Odisha

1. Proposal in brief:

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

- (i) This is a proposal for amendment of EC of Birupa River Sand Bed Ramdaspur-1 over an area of 7.00 acres or 2.83 hectares In Village Ramdaspur of Darpan Tahasil of Jajpur District, Odisha.
- (ii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. /EC Identification No. – 2492/SEIAA dt. 04.09.2021 and EC transfer in favour of successful bidder on 22.05.2023 for Birupa River Sand Bed Ramdaspur-1 over an area of 7.00 acres or 2.83 hectares In Village Ramdaspur of Darpan Tahasil of Jajpur District, Odisha.
- (iii) During EC application the PP has submitted required documents along with mining plan where it is mentioned that mineable reserve of the proposed sand bed is 6541 cum with depth of sand deposition was 1.0 meter and proposed for annual extraction-4101 cum.
- (iv) The SEIAA allowed 2800 cum of sand for 1st year production with depth of mining 0.5 meter.
- (v) There is an EC conditions point no. 9.1 to 9.2 in page no. 03 that “Pending carrying out of the study & submission of the report, this clearance is being granted in an adhoc manner and is liable to be revoked after one year i.e. after November 2023, if satisfactory replenishment study report is not submitted.”
- (vi) The PP has not submitted any information regarding quantity of sand extracted from the source in 1st year lease period.
- (vii) The PP has submitted replenishment study report was done by the RQP Sri Satyaranjan Mohanty and M/s Areal Constructions & Geo-India Services, the ORSAC empanel agency with mentioned that Pre-Monsoon reserve = 2645 cum, Post-Monsoon reserve = 4954 cum and quantity of sand replenished is **3100 cum** and proposed production 3100 cum.
- (viii) Any deficiencies/omission have been noticed in the above documents- Nil

2. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 15.05. 2024 and the SEAC **decided not to recommend** the proposal due to following deficiencies in the Replenishment Study Report.

- i) Pre-monsoon S.W.A. is 3779 sqm. and Av. R.L is 10.175 m. Post-monsoon S.W.A. is 8335 sqm. and Av. R.L is 9.895 m. C.S.W.A. is 3779 sqm. and Av depth of erosion is 0.28m.
- ii) In the survey area. In the R.S. report, it is mentioned Volume of sand eroded = 3190cum and Average thickness of erosion in the comm on workable area = 0.153m.
- iii) It is also mentioned there in that Average thickness of deposition in the Common workable area = 3190 / 7090= 0.44 9m. Here 7090sqm is considered as C.S.W.A.

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iv) The R.S. report is not acceptable with these contradictory data. Besides sand mining may not be feasible during this year due to recorded erosion depth in the lease area.

Decision of Authority:

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PARIVESH 2.0, AGENDA No.168.05	
Proposal No.	SIA/OR/MIN/469438/2024
Date of application	16.04.2024
File no.	469438/173-MIN/04-2024
Project Type	Proposal for Amendment of EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Amendment of EC of Karadapankala Sand quarry is a sand mining project over an area of 10.378 Acre/4.200Ha. located in village Karadapankala, Tahasil- Mohana, Dist.- Gajapati in favor of the Lessee Sri Purna chandra Nayak
Name of the company/Organization	Sri Purna Nayak
Location of Project	village Karadapankala, Tahasil- Mohana, Dist.- Gajapati, Odisha

1. Proposal in brief:

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

- (i) This is a proposal for amendment of EC of Karadapankala Sand quarry is a sand mining project over an area of 10.378 Acre/4.200Ha. located in village Karadapankala, Tahasil- Mohana, Dist.- Gajapati, Odisha.
- (ii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. /EC Identification No. – EC23B001OR138790 dt. 13.07.2023 for Karadapankala Sand quarry is a sand mining project over an area of 10.378 Acre/4.200Ha. located in village Karadapankala, Tahasil- Mohana, Dist.- Gajapati, Odisha.
- (iii) During EC application the PP has submitted required documents along with mining plan where it is mentioned that mineable reserve of the proposed sand bed is 4214 cum with depth of sand deposition was 0.25 meter and proposed for annual extraction-2100 cum.
- (iv) The SEIAA allowed 2100 cum of sand for 1st year production & 525 cum in 2nd year (i.e. 25% of the 1st year production of 2100 cum if, ARRS report is not submitted after one quarry operation) with depth of mining 0.25 meter.
- (v) There is an EC conditions point no. 7.1 to 7.7 to be comply before lease agreement but the PP has not complied the condition.
- (vi) The PP has submitted 1199 cum of sand has been extracted from the source in 1st year lease period.
- (vii) The PP has submitted replenishment study report was done by the M/s RIGHT SOURCE INDUSTRIAL PVT.LTD. the NABET consultant with mentioned that Pre-Monsoon Standard Elevation = 339.66, Post-Monsoon Standard Elevation = 340.07 and quantity of sand replenished is **2635 cum** and proposed production 2635 cum.
- (viii) Any deficiencies/omission have been noticed in the above documents-The PP has not complied the EC conditions on point no. 7.1 to 7.6 in respect to amount to be deposited for plantation and lease area demarcation etc.

2. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 15.05. 2024 and the SEAC recommended the following:

- i. The Lease area is 4.2 Ha.
- ii. It is located just d/s of Harbhangi reservoir. River bed width is 60m and lease area width is 60m. covering entire river.

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- iii. The minable width of lease area to be taken after deducting safe distance from bank.
- iv. The length of lease area is 600m. It includes concave bank of 200m.
- v. In that case effective mining area to be limited to 400mx45m. Depth of sand replenishment is computed as 0.42m as mentioned in RSR.
- vi. PP has applied for permission for 2635.48cum/annum. It comes within limit as per guidelines.

Hence, SEAC decided to recommend the proposal as per replenished amount **2635.48cum**. Mining shall not be done in concave bank of 200m.

Decision of Authority:

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PARIVESH 2.0, AGENDA No.168.06	
Proposal No.	SIA/OR/MIN/469318/2024
Date of application	15.04.2024
File no.	469318/171-MIN/04-2024
Project Type	Proposal for Amendment of EC
Category	B1
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Amendment of EC of Nuahata Sand Quarry Over an area of 15.00 Acres or 6.07 Ha in Village Nuahata of Rasulpur Tahasil of Jajpur District, Odisha
Name of the company/Organization	Sri Arun Kumar Sahoo
Location of Project	Village Nuahata of Rasulpur Tahasil of Jajpur District, Odisha

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.

- (ii) This is a proposal for amendment of EC of Nuahata Sand Quarry Over an area of 15.00 Acres or 6.07 Ha in Village Nuahata of Rasulpur Tahasil of Jajpur District, Odisha.
- (iii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. /EC Identification No. – 6122/SEIAA dt. 06.10.2018 for Nuahata Sand Quarry Over an area of 15.00 Acres or 6.07 Ha in Village Nuahata of Rasulpur Tahasil of Jajpur District, Odisha.
- (iv) During EC application the PP has submitted required documents along with mining plan where it is mentioned that mineable reserve of the proposed sand was 51703 cum with depth of sand deposition was 1.0 meter and proposed for annual extraction-10000 cum.
- (v) The SEIAA allowed 10000 cum of sand for 1st year production and quantity allowed for 2nd year lease period 2500 cum in adhoc manner (i.e. 25% of the 1st year production quantity was allowed in EC letter).
- (vi) There is an EC conditions point no. 9.1 to 9.2 in page no. 03 that “Pending carrying out of the study & submission of the report, this clearance is being granted in an adhoc manner and is liable to be revoked after one year i.e., after 31st December 2022, if satisfactory replenishment study report is not submitted.”
- (vii) The PP has mentioned the quantity of sand extracted for the 1st year period 5250 cum but not mentioned the 2nd year production quantity.
- (viii) The PP has submitted replenishment study report was done by the RQP Sri Satyaranjan Mohanty and M/s Areal Constructions & Geo-India Services, the ORSAC empanel agency with mentioned that Pre-Monsoon reserve = 2764.4 cum, Post-Monsoon reserve = 4853 cum and quantity of sand replenished is **6500 cum** and proposed production 6500 cum.
- (ix) Any deficiencies/omission have been noticed in the above documents- Nil

2. **Whether SEAC recommended the proposal** – The proposal was placed in the SEAC meeting held on 15.05.2024 and the **SEAC decided not to recommend** the proposal due to following reasons.

- i) The Lease area is 6.07 ha. PP has submitted in RSR, the annual replenishment depth as 0.41m.
- ii) The maximum part of lease area is covered with vegetation. The sand extraction is visible outside lease area.
- iii) 50% of lease area is within river bank. Mining can be permitted in 50% of lease area towards river side.
- iv) RSR volume calculated for the entire lease area as 6500 cum/annum. Considering siting conditions and land limit cation, the volume of sand extraction be limited to 50% i.e., 3250 cum/annum.

Hence the proposal is rejected.

Decision of Authority:

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PARIVESH 2.0, AGENDA No.168.07	
Proposal No.	SIA/OR/MIN/469298/2024
Date of application	14.04.2024
File no.	469298/169-MIN/04-2024
Project Type	Proposal for Amendment of EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Amendment of EC of Ramachandrapur-Vedisahi Jambhira River Sand Bed over an area of 12.35 acres or 5.00 hectares in village Ramachandrapur & Vedisahi under Rasgobindpur Tahasil in Mayurbhanj District, Odisha
Name of the company/Organization	Sri Atanul Paul
Location of Project	village Ramachandrapur & Vedisahi under Rasgobindpur Tahasil in Mayurbhanj District, Odisha

1. Proposal in brief:

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

- (i) This is a proposal for amendment of EC of Ramachandrapur-Vedisahi Jambhira River Sand Bed over an area of 12.35 acres or 5.00 hectares in village Ramachandrapur & Vedisahi under Rasgobindpur Tahasil in Mayurbhanj District, Odisha.
- (ii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. /EC Identification No. – EC22B001OR163968 dt. 13.04.2022 & EC transfer on 01.12.2022 for Ramachandrapur-Vedisahi Jambhira River Sand Bed over an area of 12.35 acres or 5.00 hectares in village Ramachandrapur & Vedisahi under Rasgobindpur Tahasil in Mayurbhanj District, Odisha.
- (iii) During EC application the PP has submitted required documents along with mining plan where it is mentioned that mineable reserve of the proposed sand was 20450 cum with depth of sand deposition was 1.0 meter and proposed for annual extraction-15000 cum.
- (iv) The SEIAA allowed 5000 cum of sand for 1st year lease period with allowing depth of mining is 0.5 meter.
- (v) There is an EC conditions point no. 7.1 to 7.2 in page no. 04 that “Pending carrying out of the study & submission of the report, this clearance is being granted in an adhoc manner and is liable to be revoked after one year i.e., after November 2022, if satisfactory replenishment study report is not submitted.”
- (vi) The PP has mentioned that 3186 cum of sand has been extracted from the source in 1st year lease period.
- (vii) The PP has submitted replenishment study report was done by the GEOIMAGE SYSTEMS (P) LTD, the ORSAC empanel agency with mentioned that During pre-monsoon survey, 6140 m³ of sand available over 0.6823 ha., During post-monsoon survey, 11780.18m³ of sand available over 1.0416 ha. and quantity of sand replenished is **3546.88 cum** and proposed production 3546.88 cum.
- (viii) Any deficiencies/omission have been noticed in the above documents-The PP has not complied the transfer of EC condition in respect to amount to be deposited for raising plantation and lease area demarcation.

2. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 15.05.2024 and the **SEAC decided to reject the proposal** due to following reasons:
Approved Mining Plan capacity is 15000 cum. SEIAA has permitted for 5000 cum/ year in the first year

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but the quantity of production in first year nowhere mentioned by PP. From KML file, it is observed that there is no sand deposit in the lease area. PP has admitted that safe workable area is only 30% of the total lease area and even in summer, there is very less deposit of sand. Replenished volume is calculated as 3546.88 cum. Hence the proposal is rejected.

Decision of Authority:

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PARIVESH 2.0, AGENDA No.168.08	
Proposal No.	SIA/OR/MIN/466655/2024
Date of application	20.03.2024
File no.	466655/118-MIN/03-2024
Project Type	Proposal for Amendment of EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Amendment of EC of Borda-1 Sand Bed over an area of 7.88 acres or 3.188 hectares in Village Borda under Kalahandi Tahasil of Kalahandi District, Odisha
Name of the company/Organization	Sri Sanjeeb Kumar Bhoi
Location of Project	Village Borda under Kalahandi Tahasil of Kalahandi District, Odisha
<p>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.</p> <p>(i) This is a proposal for amendment of EC of Borda-1 Sand Bed over an area of 7.88 acres or 3.188 hectares in Village Borda under Kalahandi Tahasil of Kalahandi District, Odisha.</p> <p>(ii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. /EC Identification No. – 562/SEIAA dt. 15.02.2021 & EC transfer on 04.03.2024 for Borda-1 Sand Bed over an area of 7.88 acres or 3.188 hectares in Village Borda under Kalahandi Tahasil of Kalahandi District, Odisha.</p> <p>(iii) During EC application the PP has submitted required documents along with mining plan where it is mentioned that mineable reserve of the proposed sand was 16391 cum with depth of sand deposition was 1.0 meter and proposed for annual extraction-3000 cum.</p> <p>(iv) The SEIAA allowed 3000 cum of sand for 1st year lease period with allowing depth of mining is 1.0 meter.</p> <p>(v) There is an EC conditions point no. 9.1 to 9.2 in page no. 03 that “Pending carrying out of the study & submission of the report, this clearance is being granted in an adhoc manner and is liable to be revoked after one year i.e., after 15th May 2022, if satisfactory replenishment study report is not submitted.”</p> <p>(vi) The PP has mentioned that 3000 cum of sand has been extracted from the source in 1st year lease period.</p> <p>(vii) The PP has submitted replenishment study report was done by the AREAL CONSTRUCTIONS & GEO -INDIA SERVICES, the ORSAC empanel agency with mentioned that Pre-Monsoon Standard Elevation = 202.3428 , Post-Monsoon Standard Elevation = 203.7964 and quantity of sand replenished is 28177.8324 cum and proposed production 16906.6994 cum.</p> <p>(viii) Any deficiencies/omission have been noticed in the above documents-The PP has not complied the transfer of EC condition in respect to amount to be deposited for raising plantation and lease area demarcation.</p>	
<p>2. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 02.05.2024 and the SEAC recommended the following: Annual mining plan capacity was 3000 m3/yr and EC was given for same in 1st year. As per RS, PP has estimated safety mineable area as 19384.86 and differential elevation of 1.4 mt. Multiplying the RS quantity arrived as 28177.8 m3 against approved mining quantity of 16391 m3. EC may be recommended for the replenishment quantity subject to modified mining plan approval of derived replenishment quantity and modified annual mining capacity by the authority.</p>	
<u>Decision of Authority:</u>	

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PARIVESH 2.0, AGENDA No.168.09	
Proposal No.	SIA/OR/MIN/466537/2024
Date of application	19.03.2024
File no.	466537/114-MIN/03-2024
Project Type	Proposal for Amendment of EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Amendment of EC of Artal Sand Quarry over an area of 12.00 Acres or 4.856 Hectares in village Artal under Kalahandi Tahasil of Kalahandi District, Odisha
Name of the company/Organization	Sri Sanjeeb Kumar Bhoi
Location of Project	Artal under Kalahandi Tahasil of Kalahandi District, Odisha

1. Proposal in brief:

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

- (i) This is a proposal for amendment of EC of Artal Sand Quarry over an area of 12.00 Acres or 4.856 Hectares in village Artal under Kalahandi Tahasil of Kalahandi District, Odisha.
- (ii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. /EC Identification No. – 564/SEIAA dt. 15.02.2021 & EC transfer on 04.03.2024 for Artal Sand Quarry over an area of 12.00 Acres or 4.856 Hectares in village Artal under Kalahandi Tahasil of Kalahandi District, Odisha.
- (iii) During EC application the PP has submitted required documents along with mining plan where it is mentioned that mineable reserve of the proposed sand was 65889 cum with depth of sand deposition was 1.8 meter and proposed for annual extraction-5000 cum.
- (iv) The SEIAA allowed 5000 cum of sand for 1st year lease period with allowing depth of mining is 1.8 meter. The SEIAA, Odisha also allowed 1250 cum of sand for the 2nd year in adhoc manner.
- (v) There is an EC conditions point no. 9.1 to 9.2 in page no. 03 that “Pending carrying out of the study & submission of the report, this clearance is being granted in an adhoc manner and is liable to be revoked after one year i.e., after 15th May 2022, if satisfactory replenishment study report is not submitted.”
- (vi) The PP has mentioned that 5000 cum of sand has been extracted from the source in 1st year lease period but the PP not submitted 2nd year extraction quantity.
- (vii) The PP has submitted replenishment study report was done by the AREAL CONSTRUCTIONS & GEO -INDIA SERVICES, the ORSAC empanel agency with mentioned that Pre-Monsoon Standard Elevation = 194.7709, Post-Monsoon Standard Elevation = 196.3793 and quantity of sand replenished is **48465.7451 cum** and proposed production 29079 cum.
- (viii) Any deficiencies/omission have been noticed in the above documents-The PP has not complied the transfer of EC condition in respect to amount to be deposited for raising plantation and lease area demarcation.

2. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 02.05.2024 and the SEAC observed the following:

Post monsoon safe workable area=30132.893 sqm (62.05% of Lease area) Pre-Monsoon Standard Elevation = 194.7709m Post-Monsoon Standard Elevation = 196.3793m Difference in Elevation (D) = 196.3793-194.7709=1.6084m Volume = AX D = 30132.893 X 1.6084= 48465.7451 cum Approved Annual Production Capacity = 5000 cum Based on this estimation, PP has requested to allow sand mining at least 29079.44706 Cum (i.e., 60% of replenished quantity). The proposal may be considered subject to approval of revised Mining Plan by competent authority.

Decision of Authority:

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PARIVESH 2.0, AGENDA No.168.10	
Proposal No.	SIA/OR/MIN/466452/2024
Date of application	18.03.2024
File no.	466452/111-MIN/03-2024
Project Type	Proposal for Amendment of EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Amendment of EC of Jambhira River Sand Bed, Stretch No-03 over an area of 12.35 acres or 5.00 hectares in village Badfera, Ranipal & Paramananda under Morada Chitrada Tahasil in Mayurbhanj District, Odisha
Name of the company/Organization	Sri Bikram Keshari Behera
Location of Project	village Badfera, Ranipal & Paramananda under Morada Chitrada Tahasil in Mayurbhanj District, Odisha

1. Proposal in brief:

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

- (i) This is a proposal for amendment of EC of Jambhira River Sand Bed, Stretch No-03 over an area of 12.35 acres or 5.00 hectares in village Badfera, Ranipal & Paramananda under Morada Chitrada Tahasil in Mayurbhanj District, Odisha.
- (ii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. /EC Identification No. – 1474/SEIAA dt. 30.06.2021 & EC transfer vide letter no. 3713/SEIAA dt. 27.12.2021 for Jambhira River Sand Bed, Stretch No-03 over an area of 12.35 acres or 5.00 hectares in village Badfera, Ranipal & Paramananda under Morada Chitrada Tahasil in Mayurbhanj District, Odisha.
- (iii) During EC application the PP has submitted required documents along with mining plan where it is mentioned that mineable reserve of the proposed sand was 23144 cum with depth of sand deposition was 0.7 meter and proposed for annual extraction-23000 cum.
- (iv) The SEIAA allowed 23000 cum of sand for 1st year lease period with allowing depth of mining is 0.7 meter.
- (v) There is an EC conditions point no. 9.1 to 9.2 in page no. 03 that “Pending carrying out of the study & submission of the report, this clearance is being granted in an adhoc manner and is liable to be revoked after one year i.e., after 31st December 2022, if satisfactory replenishment study report is not submitted.”
- (vi) The PP has mentioned that 16500 cum of sand has been extracted from the source in 1st year lease period and 1054 cum in 2nd year.
- (vii) Amendment of EC was issued by SEIAA, Odisha on 28.07.2023 with allowing 2nd year extraction quantity of sand 1502 cum.
- (viii) The PP has submitted replenishment study report was done by the AREAL CONSTRUCTIONS & GEO -INDIA SERVICES, the ORSAC empanel agency with mentioned that During pre-monsoon survey, 6209.43 m³ of sand available over 0.8966 ha., During post-monsoon, 14140.15 m³ of sand available over 1.6711 h and Considering a common workable area of 0.5797 ha, replenishment has been observed = 2356.27 m³ , hence it is assumed that; • So, Replenishment of sand per ha = 2356.27 / 0.5797 = 4064.63 m³ • Estimated sand replenishment in mineable area = 4064.63 x 3 = **12193.91 m³** and proposed production 12193.91 cum.
- (ix) Any deficiencies/omission have been noticed in the above documents-The PP has not complied the

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transfer of EC condition in respect to amount to be deposited for raising plantation and lease area demarcation.

2. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 02.05.2024 and the SEAC decided to recommend the proposal as per the replenishment study, the replenished volume is **2356 m3**. It may be recommended.

Decision of Authority:

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PARIVESH 2.0, AGENDA No.168.11	
Proposal No.	SIA/OR/MIN/466425/2024
Date of application	18.03.2024
File no.	466425/110-MIN/03-2024
Project Type	Proposal for Amendment of EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Amendment of EC of Bankosaragi Sand Quarry over an area 7.06acres or 3.08ha in Bankosaragi village under Papadahandi tahasil of Nabarangpur district Odisha
Name of the company/Organization	Sri G. Ananta Murty
Location of Project	Bankosaragi village under Papadahandi tahasil of Nabarangpur district Odisha
<p>1. <u>Proposal in brief:</u> 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.</p> <p>(i) This is a proposal for amendment of EC of Bankosaragi Sand Quarry over an area 7.06acres or 3.08ha in Bankosaragi village under Papadahandi tahasil of Nabarangpur district Odisha.</p> <p>(ii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. /EC Identification No. – 2384/SEIAA dt. 31.03.2021 for Bankosaragi Sand Quarry over an area 7.06acres or 3.08ha in Bankosaragi village under Papadahandi tahasil of Nabarangpur district Odisha.</p> <p>(iii) During EC application the PP has submitted required documents along with mining plan where it is mentioned that mineable reserve of the proposed sand was 15000 cum with depth of sand deposition was 3.0 meter and proposed for annual extraction-17748 cum.</p> <p>(iv) The SEIAA allowed 5000 cum of sand for 1st year lease period with allowing depth of mining is 1.5 meter.</p> <p>(v) There is an EC conditions point no. 9.1 to 9.2 in page no. 03 that “Pending carrying out of the study & submission of the report, this clearance is being granted in an adhoc manner and is liable to be revoked after one year i.e., after 15th October 2022, if satisfactory replenishment study report is not submitted.”</p> <p>(vi) The PP has mentioned that 5000 cum of sand has been extracted from the source in 1st year lease period.</p> <p>(vii) The PP has submitted replenishment study report was done by the RQP Sri Manas Ranjan Mohanta and M/s. Zeotek, the ORSAC empanel agency with mentioned that Mineable Reserve during Pre-monsoon survey-2023 = 6,213Cum, Mineable Reserve during Post-monsoon survey- 2023 = 8,800Cum. Quantity of sand replenished 2587 cum and proposed production 17748 cum.</p> <p>(viii) Any deficiencies/omission have been noticed in the above documents-EC is in favour of Sri G. Ananta Murty but application applied by successful bidder Sri Ranjit Kumar Mahakud without transfer of EC.</p>	
<p>2. <u>Whether SEAC recommended the proposal</u> – The proposal was placed in the SEAC meeting held on 02.05.2024 and the SEAC decided to recommend the proposal as per the replenishment study, the replenished volume is 2587 cum. It may be recommended.</p>	
<u>Decision of Authority:</u>	

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PARIVESH 2.0, AGENDA No.168.12	
Proposal No.	SIA/OR/MIN/466875/2024
Date of application	21.03.2024
File no.	466875/123-MIN/03-2024
Project Type	Proposal for Amendment of EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Amendment of EC of Budhabalanga River Sand Bed-III Over an area of 12.33 Acres or 4.989 Hectares in Village Sankhmod under Betnoti Tahasil of Mayurbhanj District of Odisha
Name of the company/Organization	Smt. Priyanka Behera
Location of Project	Village Sankhmod under Betnoti Tahasil of Mayurbhanj District of Odisha

1. Proposal in brief:

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

- (i) This is a proposal for amendment of EC of Budhabalanga River Sand Bed-III Over an area of 12.33 Acres or 4.989 Hectares in Village Sankhmod under Betnoti Tahasil of Mayurbhanj District of Odisha.
- (ii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. /EC Identification No. – EC22B001OR124834 dt. 31.03.2022 and EC transfer on 27.01.2023 for Budhabalanga River Sand Bed-III Over an area of 12.33 Acres or 4.989 Hectares in Village Sankhmod under Betnoti Tahasil of Mayurbhanj District of Odisha.
- (iii) During EC application the PP has submitted required documents along with mining plan where it is mentioned that mineable reserve of the proposed sand was 17070 cum with depth of sand deposition was 1.0 meter and proposed for annual extraction-17000 cum.
- (iv) The SEIAA allowed 5000 cum of sand for 1st year lease period with allowing depth of mining is 0.5 meter.
- (v) There is an EC conditions point no. 7.1 to 7.2 in page no. 04 that “Pending carrying out of the study & submission of the report, this clearance is being granted in an adhoc manner and is liable to be revoked after one year i.e., after Novemebr 2022, if satisfactory replenishment study report is not submitted.”
- (vi) The PP has mentioned that 5000 cum of sand has been extracted from the source in 1st year lease period.
- (vii) The PP has submitted replenishment study report was done by the AREAL CONSTRUCTIONS & GEO -INDIA SERVICES, the ORSAC empanel agency with mentioned that Pre-monsoon survey was carried out on 23.06.2023 & Post-monsoon was on 08.02.2024. During pre-monsoon survey, 8251.31 m³ of sand available over 0.9070 ha. During post-monsoon survey, 9186.35 m³ of sand available over 0.6915ha. Total lease are is 4.989 ha, but as per EMGSM’ 2020, the area for removal of minerals shall not exceed 60% of the mine lease area. So, the mineable area = 5 ha x 0.60 = 3.0 ha. Considering a common safe workable area of 0.5265 ha, it is observed that replenishment of 1181.76 m³ has been done with an average thickness of 0.22m. So, Replenishment of sand per ha = 1181.76/ 0.5265 = 2244.55 m³ And, Estimated sand replenishment in mineable area = 2244.55 x 3 = **6733.67 m³**. and proposed production 6733.67 cum.
- (viii) Any deficiencies/omission have been noticed in the above documents- The PP has not complied the transfer of EC condition in respect to amount to be deposited for raising plantation and lease area demarcation.

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2. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 02.05.2024 and **the SEAC decided to reject the proposal** as the lease area is cover with water body as per the kml file.

Decision of Authority:

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PARIVESH 2.0, AGENDA No.168.13	
Proposal No.	SIA/OR/MIN/466688/2024
Date of application	21.03.2024
File no.	466688/121-MIN/03-2024
Project Type	Proposal for Amendment of EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Amendment of EC of Dhubalpada Sand Quarry over an Area of 10.00 Acres or 4.046 Hectares in Village Dhubalpada under Patnagarh Tahasil of Balangir District, Odisha
Name of the company/Organization	Sri Premananda Pradhan
Location of Project	Village Dhubalpada Under Patnagarh Tahasil of Balangir District, Odisha
<p>1. <u>Proposal in brief:</u> 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.</p> <p>(i) This is a proposal for amendment of EC of Dhubalpada Sand Quarry over an Area of 10.00 Acres or 4.046 Hectares in Village Dhubalpada under Patnagarh Tahasil of Balangir District, Odisha.</p> <p>(ii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. /EC Identification No. – 1082/SEIAA dt. 26.03.2021 and EC transfer vide letter no.4507/SEIAA 11.05.2022 for Dhubalpada Sand Quarry over an Area of 10.00 Acres or 4.046 Hectares in Village Dhubalpada under Patnagarh Tahasil of Balangir District, Odisha.</p> <p>(iii) During EC application the PP has submitted required documents along with mining plan where it is mentioned that mineable reserve of the proposed sand was 24120 cum with depth of sand deposition was 0.6 meter and proposed for annual extraction-2208 cum.</p> <p>(iv) The SEIAA allowed 1800 cum of sand for 1st year lease period with allowing depth of mining is 0.6 meter.</p> <p>(v) There is an EC conditions point no. 9.1 to 9.2 in page no. 03 that “Pending carrying out of the study & submission of the report, this clearance is being granted in an adhoc manner and is liable to be revoked after one year i.e., after 15th May 2022, if satisfactory replenishment study report is not submitted.”</p> <p>(vi) The PP has mentioned that 1800 cum of sand has been extracted from the source in 1st year lease period.</p> <p>(vii) The PP has submitted replenishment study report was done by the AREAL CONSTRUCTIONS & GEO -INDIA SERVICES, the ORSAC empanel agency with mentioned that Pre-Monsoon Standard Elevation = 226.4512, Post-Monsoon Standard Elevation = 227.4585. Quantity of sand replenished is 35041 cum and proposed production 21024 cum.</p> <p>(viii) Any deficiencies/omission have been noticed in the above documents- Nil.</p>	
<p>2. <u>Whether SEAC recommended the proposal</u> – The proposal was placed in the SEAC meeting held on 02.05.2024 and the SEAC recommended the following: A part of the lease covers the water course. Mining should not disturb the water course in any manner. Estimated replenished amount is 35041.4890m³ Recommended to extract (60%) of the replenished amount i.e. 21024.8934 m³.</p>	
<u>Decision of Authority:</u>	

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PARIVESH 2.0, AGENDA No.168.14	
Proposal No.	SIA/OR/MIN/471965/2024
Date of application	07.05.2024
File no.	471965/213-MIN/05-2024
Project Type	Proposal for Amendment of EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Amendment of EC of Kundheigola Sand Quarry over an area of 12.35 Acres or 4.997 ha at village-Kundheigola, tahasil-Reamal, Dist-Deogarh, Odisha of Sri Durga Prasanna Nayak
Name of the company/Organization	Sri Durga Prasanna Nayak
Location of Project	village-Kundheigola, tahasil-Reamal, Dist-Deogarh, Odisha
1. Proposal in brief:	
<p>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.</p> <ol style="list-style-type: none"> (i) This is a proposal for amendment of EC of Kundheigola Sand Quarry over an area of 12.35 Acres or 4.997 ha at village-Kundheigola, tahasil-Reamal, Dist-Deogarh, Odisha. (ii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. /EC Identification No. – 2490/SEIAA dt. 04.09.2021 and EC transfer on 03.11.2022 for Kundheigola Sand Quarry over an area of 12.35 Acres or 4.997 ha at village-Kundheigola, tahasil-Reamal, Dist-Deogarh, Odisha. (iii) During EC application the PP has submitted required documents along with mining plan where it is mentioned that mineable reserve of the proposed sand was 42352 cum with depth of sand deposition was 1.0 meter and proposed for annual extraction-8100 cum. (iv) The SEIAA allowed 5000 cum of sand for 1st year lease period with allowing depth of mining is 0.5 meter. (v) There is an EC conditions point no. 9.1 to 9.2 in page no. 03 that “Pending carrying out of the study & submission of the report, this clearance is being granted in an adhoc manner and is liable to be revoked after one year i.e., after 15th October 2022, if satisfactory replenishment study report is not submitted.” (vi) The PP has mentioned that 5000 cum of sand has been extracted from the source in 1st year lease period and 5000 cum in 2nd year. (vii) As per transfer of EC conditions the PP has submitted the amount of Rs. 45,000/- to DFO, , Deogarh for raising plantation. (viii) The PP has submitted replenishment study report was done by the M/s. Geomac Solutions Pvt.Ltd., the ORSAC empanel agency with mentioned that Pre-Monsoon Standard Elevation=111.5922 m, Post-Monsoon Standard Elevation = 111.7658 m. Quantity of sand replenished is 5835 cum and proposed production is 3501 cum (i.e. 60%) of the replenished amount). (ix) Any deficiencies/omission have been noticed in the above documents- A part of the lease covers the water course and 50% of the lease area cover with soil which is appears in the KML file. 	
2. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 16.05.2024 and the SEAC recommended the following: the A part of the lease covers the water course. Mining should not disturb the water course in any manner. Estimated replenished amount is 5835 Recommended to extract 3501 cum of sand from the source.	
<u>Decision of Authority:</u>	

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PARIVESH 2.0, AGENDA No.168.15	
Proposal No.	SIA/OR/MIN/467780/2024
Date of application	30.03.2024
File no.	467780/142-MIN/03-2024
Project Type	Proposal for Amendment of EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Amendment of EC of Dighi-I Sand Bed over an area of 12.14 acres or 4.912 hectares in village Dighi under Gopabandhu Nagar Tahasil in Mayurbhanj District, Odisha
Name of the company/Organization	Sri Dillip Kumar Sahoo
Location of Project	village Dighi under Gopabandhu Nagar Tahasil in Mayurbhanj District, Odisha

1. Proposal in brief:

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

- (i) This is a proposal for amendment of EC of Dighi-I Sand Bed over an area of 12.14 acres or 4.912 hectares in village Dighi under Gopabandhu Nagar Tahasil in Mayurbhanj District, Odisha.
- (ii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. /EC Identification No. – 3327/SEIAA dt. 08.10.2021 and EC transfer vide letter no.3687/SEIAA dt. 27.12.2021 for Dighi-I Sand Bed over an area of 12.14 acres or 4.912 hectares in village Dighi under Gopabandhu Nagar Tahasil in Mayurbhanj District, Odisha.
- (iii) During EC application the PP has submitted required documents along with mining plan where it is mentioned that mineable reserve of the proposed sand was 49638 cum with depth of sand deposition was 1.5 meter and proposed for annual extraction-49000 cum.
- (iv) The SEIAA allowed 7500 cum of sand for 1st year lease period with allowing depth of mining is 0.75 meter.
- (v) There is an EC conditions point no. 9.1 to 9.2 in page no. 03 that “Pending carrying out of the study & submission of the report, this clearance is being granted in an adhoc manner and is liable to be revoked after one year i.e., after 30th October 2022, if satisfactory replenishment study report is not submitted.”
- (vi) EC amended by SEIAA, Odisha on 19.07.2023 on basis of extension the period for submission of ARRS report.
- (vii) The PP has mentioned that 6900 cum of sand has been extracted from the source in 1st year lease period and 5735 cum in 2nd year.
- (viii) The PP has submitted replenishment study report was done by the M/s. GEOIMAGE SYSTEMS (P) LTD., the ORSAC empanel agency with mentioned that Pre-monsoon survey was carried out on 05.05.2023 & Post-monsoon was on 07.02.2024. During pre-monsoon survey, 23310.02 m³ of sand available over 2.2135 ha. During post-monsoon survey, 27809.22 m³ of sand available over 1.8038 ha. Total lease area is 4.912 ha, but as per EMGSM’ 2020, the area for removal of minerals shall not exceed 60% of the mine lease area. Hence, Safe workable area = 4.912 x 0.6 = 2.95 ha Considering a common safe workable area of 0.8335 ha, it is observed that replenishment of 3896.23 m³ has been done with an average thickness of 0.46m. So, Replenishment of sand per ha = 3896.23 / 0.8335 = 4674.54 m³ Estimated sand replenishment in mineable area = 4674.54 x 2.95 = **13789.89 m³**. Proposed production is 13789.89 cum.
- (ix) Any deficiencies/omission have been noticed in the above documents- The PP has not submitted

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the amount of Rs. 2,25,000/- to concerned District Environmental Society for raising plantation as per the amendment of EC conditions.

2. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 03.05.2024 and the SEAC decided to recommend the proposal as per the replenishment study and volume replenished i.e. **3896cum/annum** subjected modification of Mining Plan.

The SEIAA may look into the matter that

- (i) PP has to deposit 2.5 lakhs to District Environment society for plantation but no record available.
- (ii) Submission of satisfactory Compliance Report.

Decision of Authority:

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PARIVESH 2.0, AGENDA No.168.16	
Proposal No.	SIA/OR/MIN/466538/2024
Date of application	19.03.2024
File no.	466538/116-MIN/03-2024
Project Type	Proposal for Amendment of EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Amendment of EC of Borda Sand Bed-3 over an Area of 3.50 Acres or 1.416 Hectares in village Borda under Kalahandi tahasil of Kalahandi District, Odisha
Name of the company/Organization	Sri Jyotirmaya Singh
Location of Project	village Borda under Kalahandi tahasil of Kalahandi District, Odisha

1. Proposal in brief:

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

- (i) This is a proposal for amendment of EC of Borda Sand Bed-3 over an Area of 3.50 Acres or 1.416 Hectares in village Borda under Kalahandi tahasil of Kalahandi District, Odisha.
- (ii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. /EC Identification No. – 2443/SEIAA dt. 31.08.2021 and EC transfer on 17.10.2023 for Borda Sand Bed-3 over an Area of 3.50 Acres or 1.416 Hectares in village Borda under Kalahandi tahasil of Kalahandi District, Odisha.
- (iii) During EC application the PP has submitted required documents along with mining plan where it is mentioned that mineable reserve of the proposed sand was 18909 cum with depth of sand deposition was 1.8 meter and proposed for annual extraction-3600 cum.
- (iv) The SEIAA allowed 3000 cum of sand for 1st year lease period with allowing depth of mining is 1.0 meter.
- (v) There is an EC conditions point no. 9.1 to 9.2 in page no. 03 that “Pending carrying out of the study & submission of the report, this clearance is being granted in an adhoc manner and is liable to be revoked after one year i.e., after 15th October 2022, if satisfactory replenishment study report is not submitted.”
- (vi) The PP allowed 2nd year production quantity 750 cum (i.e. 25% of 1st year production was allowed in the EC letter) in adhoc manner.
- (vii) The PP has mentioned that 3000 cum of sand has been extracted from the source in 1st year lease period.
- (viii) The PP has submitted replenishment study report was done by the M/s. Areal Constructions & Geo-India Services., the ORSAC empanel agency with mentioned that Pre-Monsoon Standard Elevation= 99.0164 m, Post-Monsoon Standard Elevation = 200.5673 m. Quantity of sand replenished is 4728 cum and proposed production is **2837 cum** (i.e. 60%) of the replenished amount).
- (ix) Any deficiencies/omission have been noticed in the above documents- The PP has not deposited the amount of Rs. 1.0 Lakh to District Environmental Society toward raising plantation.

2. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 02.05.2024 and the SEAC observed the following:

- i) As per approved Mining Plan, Mineable Reserve =18909 cum with 1.8m sand.
- ii) Approved Annual Production Capacity = 3600 cum. Based on this estimation, PP has requested to allow sand mining at least 2837.15 Cum (i.e., 60% of replenished quantity, 4728.58 cum).

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iii) The SEAC recommended for sand mining of 4728.00 cum (equivalent to replenished quantity) subject to approval of revised mining plan.

Decision of Authority:

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PARIVESH 2.0, AGENDA No.168.17	
Proposal No.	SIA/OR/MIN/466532/2024
Date of application	19.03.2024
File no.	466532/115-MIN/03-2024
Project Type	Proposal for Amendment of EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Amendment of EC of Tendra Sand Bed over an area 12.355Ac. or 5.00Ha. in Brahmani Nadi (kha) Tendra village under Bonai tahasil of Sundergarh district Odisha
Name of the company/Organization	Sri Sudhir Harichandan
Location of Project	Brahmani Nadi (kha) Tendra village under Bonai tahasil of Sundergarh district Odisha

1. Proposal in brief:

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

- (i) This is a proposal for amendment of EC of Tendra Sand Bed over an area 12.355Ac. or 5.00Ha. in Brahmani Nadi (kha) Tendra village under Bonai tahasil of Sundergarh district Odisha.
- (ii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. /EC Identification No. – 9561/SEIAA dt. 04.11.2020 and EC transfer on 12.06.2022 for Tendra Sand Bed over an area 12.355Ac. or 5.00Ha. in Brahmani Nadi (kha) Tendra village under Bonai tahasil of Sundergarh district Odisha.
- (iii) During EC application the PP has submitted required documents along with mining plan where it is mentioned that mineable reserve of the proposed sand was 29508 cum with depth of sand deposition was 1.5 meter and proposed for annual extraction-25000 cum.
- (iv) The SEIAA allowed 25000 cum of sand for 1st year lease period with allowing depth of mining is 1.0 meter.
- (v) There is an EC conditions point no. 9.1 to 9.2 in page no. 03 that “Pending carrying out of the study & submission of the report, this clearance is being granted in an adhoc manner and is liable to be revoked after one year i.e., after 15th October 2022, if satisfactory replenishment study report is not submitted.”
- (vi) The PP allowed 2nd year production quantity 750 cum (i.e. 25% of 1st year production was allowed in the EC letter) in adhoc manner.
- (vii) The PP has mentioned that 3000 cum of sand has been extracted from the source in 1st year lease period.
- (viii) Out of the cost of Rs 2,50,000/- (Rupees Two Lakh Fifty Thousand Only), Rs. 50,000/- has been deposited as part payment, and the remaining amount will be deposited within 2 years by the project proponent for avenue plantations of the State Forest Department near District Environment Society
- (ix) The PP has submitted replenishment study report was done by the M/s. Zeotek., the ORSAC empanel agency with mentioned that Mineable Reserve during Pre-monsoon survey- 2023 = 21,453Cum, Mineable Reserve during Post-monsoon survey-2023 = 36,037Cum. Quantity of sand replenished is 14584 cum and proposed production is **2837 cum** (i.e. 60%) of the replenished amount).
- (x) Any deficiencies/omission have been noticed in the above documents- The PP has not deposited the amount of Rs. 2.50 Lakh to District Environmental Society toward raising plantation.

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2. **Whether SEAC recommended the proposal** – The proposal was placed in the SEAC meeting held on 02.05.2024 and the SEAC recommended the following:

Replenishment study is not satisfactory due to following reasons.

The lease area is spread over two plots and separated from each other. Most of the lease area is covered with water. The pre-monsoon G.R. area is 23837sqm (47.67% of lease area) and average depth of sand is 1.5m. The post-monsoon G.R. area is 37539 sqm (75.078% of lease area) and average depth of sand is 1.6m. Source of information on average depths are not available. Besides as per sand mining guidelines, information on levels taken at different points are not provided to ascertain the replenished depth. Similarly the safe workable area during pre and post monsoon is not available. ARRS has not been calculated. Exact map of lease area and no mining zone drawn to scale with information as laid down in Para 9.3 of EC is not available. The R.S. report is not appropriate and hence **not acceptable**.

Decision of Authority:

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PARIVESH 2.0, AGENDA No.168.18	
Proposal No.	SIA/OR/MIN/466311/2024
Date of application	18.03.2024
File no.	466311/112-MIN/03-2024
Project Type	Proposal for Amendment of EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Amendment of EC of Nihalprasad Road Metal Quarry-V & VI over an area of 5.25 acres or 2.125 Ha ,Village Nihalprasad, Tahasil- Gondia in Dhenkanal District of Odisha
Name of the company/Organization	M/s. Jagabandhu Enterprisers P Vt Ltd
Location of Project	Village Nihalprasad, Tahasil- Gondia in Dhenkanal District of Odisha
<p>1. <u>Proposal in brief:</u> 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.</p> <p>(i) This is a proposal for amendment of EC of Nihalprasad Road Metal Quarry-V & VI over an area of 5.25 acres or 2.125 Ha, Village Nihalprasad, Tahasil in regard to modified mining plant on the basis to change in co-ordinate of the lease area.</p> <p>(ii) The Mining Officer, Dhenkanal vide letter no. 125 dt. 12.03.12024 has mentioned that the co-ordinated mentioned the earlier approved mining plan is not matching with the plot allotted in revenue cadastral map. So, lessee has modified the mining plan against the same allotted area & plot number by rectifying the co-ordinates in the mining plan and approved by concerned authorized officer.</p> <p>(iii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. /EC Identification No. – 1746/SEIAA dt. 16.07.2021 for Nihalprasad Road Metal Quarry-V & VI over an area of 5.25 acres or 2.125 Ha ,Village Nihalprasad, Tahasil.</p> <p>(iv) Any deficiencies/omission have been noticed in the above documents- Nil.</p>	
<p>2. <u>Whether SEAC recommended the proposal</u> – The proposal was placed in the SEAC meeting held on 02.05.2024 and the proponent has submitted PFR, EMP and modified Mining Plan for modification of EC. The plot no. and Khata nos are matching with the DSR report. Hence, it may be approved.</p>	
<p><u>Decision of Authority:</u></p>	

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PARIVESH 2.0, AGENDA No.168.19	
Proposal No.	SIA/OR/MIN/464059/2024
Date of application	26.02.2024
File no.	464059/70-MIN/02-2024
Project Type	Proposal for Amendment of EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Amendment of EC of Bhagabatpur Luna River Sand Quarry over an area of 12.231acres or 4.95 ha under Derabish Tahasil of Kendrapara district of Odisha
Name of the company/Organization	Sri Nilakantha Barik
Location of Project	Derabish Tahasil of Kendrapara district of Odisha

2. Proposal in brief:

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

- (i) This is a proposal for amendment of EC of Bhagabatpur Luna River Sand Quarry over an area of 12.231acres or 4.95 ha under Derabish Tahasil of Kendrapara district of Odisha.
- (ii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. /EC Identification No. – 2082/SEIAA dt. 09.08.2021 for Bhagabatpur Luna River Sand Quarry over an area of 12.231acres or 4.95 ha under Derabish Tahasil of Kendrapara district of Odisha.
- (iii) During EC application the PP has submitted required documents along with mining plan where it is mentioned that mineable reserve of the proposed sand was 58000 cum with depth of sand deposition was 1.5 meter and proposed for annual extraction-58000 cum.
- (iv) The SEIAA allowed 20000 cum of sand for 1st year lease period with allowing depth of mining is 1.0 meter.
- (v) There is an EC conditions point no. 9.1 to 9.2 in page no. 03 that “Pending carrying out of the study & submission of the report, this clearance is being granted in an adhoc manner and is liable to be revoked after one year i.e., after 15th October 2022, if satisfactory replenishment study report is not submitted.”
- (vi) The PP has not submitted EC compliance and production details.
- (vii) The PP has submitted replenishment study report was done by the Ms. Geomac Solution Pvt. Ltd., the ORSAC empanel agency with mentioned that Mineable Reserve during Pre-monsoon survey- 2023 = 17666Cum, Mineable Reserve during Post-monsoon survey-2023 = 37670Cum. Quantity of sand replenished is 20004 cum and proposed production is **20004 cum**.
- (viii) Any deficiencies/omission have been noticed in the above documents- The EC is favour of Tahasildar but application applied by Sri Nilakantha Barik.

2. **Whether SEAC recommended the proposal** – The proposal was placed in the SEAC meeting held on 21.03.2024 and the SEAC decided to take decision on the proposal after receipt of following information from the Mining Officer/PP:

- i) In the RS the average thickness calculated 1mt and for estimation taken 0.8 mt to derive replenishment amount of 20004cum. Reason to be asked from PP to explain.
- ii) As per KML file 80% is water, PP may be asked to justify and send fresh KML file.
- iii) Production of last year may be given: Hence, the proposal deferred for ADS

3. Again, the proposal was placed in 15th & 16th May 2024 and the SEAC recommended the following:

- i) Compliance is satisfactory. The difference in mRL is due to mining in pre monsoon which is probably the reason. Hence Replenishment quantity of **12056 cum is recommended**.

Decision of Authority:

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PARIVESH 2.0, AGENDA No.168.20	
Proposal No.	SIA/OR/MIN/469037/2024
Date of application	11.04.2024
File no.	469037/162-MIN/04-2024
Project Type	Proposal for Amendment of EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Amendment of EC of Tamara Sand Quarry over an area 12.20acres or 4.937ha in Tamara village under Narsinghpur tahasil of Cuttack district Odisha
Name of the company/Organization	Sri Sarat Behera
Location of Project	village under Narsinghpur tahasil of Cuttack district Odisha
<p>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.</p> <p>(i) This is a proposal for amendment of EC of Tamara Sand Quarry over an area 12.20acres or 4.937ha in Tamara village under Narsinghpur tahasil of Cuttack district Odisha.</p> <p>(ii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. /EC Identification No. – 10316/SEIAA dt. 17.12.2020 and EC transfer on 12.06.2022 for Tamara Sand Quarry over an area 12.20acres or 4.937ha in Tamara village under Narsinghpur tahasil of Cuttack district Odisha.</p> <p>(iii) During EC application the PP has submitted required documents along with mining plan where it is mentioned that mineable reserve of the proposed sand was 40808 cum with depth of sand deposition was 1.0 meter and proposed for annual extraction-9350 cum.</p> <p>(iv) The SEIAA allowed 9350 cum of sand for 1st year lease period with allowing depth of mining is 1.0 meter.</p> <p>(v) There is an EC conditions point no. 9.1 to 9.2 in page no. 03 that “Pending carrying out of the study & submission of the report, this clearance is being granted in an adhoc manner and is liable to be revoked after one year i.e., after 15th November 2022, if satisfactory replenishment study report is not submitted.”</p> <p>(vi) The PP has mentioned that 9350 cum of sand has been extracted from the source in 1st year.</p> <p>(vii) The PP has submitted replenishment study report was done by the RQP, Sri Manas Ranjan Mohanta and Ms. ZEOTEK., the ORSAC empanel agency with mentioned that Mineable Reserve during Pre-monsoon survey-2023 = 24,042Cum, Mineable Reserve during Post-monsoon survey- 2023 = 65,199Cum. Quantity of sand replenished is 41157 cum and proposed production is 9350 cum.</p> <p>(viii) Any deficiencies/omission have been noticed in the above documents- The EC is favour of Tahasildar but application applied by Sri Sarat Behera.</p>	
<p>2. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 04.05.2024 and the SEAC observed the following:</p> <p>i) KML file shows that a small tributary nala is passing through the lease area. Hence, Sand mining need to be made leaving the path of water discharge points of the said nala.</p> <p>ii) The replenishment studies show 41157cum is deposited during the study period and PP has asked for 9350cum.</p> <p>The SEAC decided to recommend the proposal as per the replenishment study and volume replenished i.e. 41157cum/annum subjected modification of Mining Plan.</p>	
<u>Decision of Authority:</u>	

Agenda of 168th Meeting of SEIAA, Odisha held on 24.06.2024 & 25.06.2024

PARIVESH 2.0, AGENDA No.168.21	
Proposal No.	SIA/OR/MIN/466021/2024
Date of application	15.03.2024
File no.	466021/103-MIN/03-2024
Project Type	Proposal for Amendment of EC
Category	B1
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Amendment of EC of Baitarini Sand Bed, Amrutpur over an area of 15.00 Acres or 6.07 Hectares in Village Amrutpur under Hatadihi Tahasil In Keonjhar District, Odisha
Name of the company/Organization	Sri Pradip Biswal
Location of Project	Village Amrutpur under Hatadihi Tahasil in Keonjhar District, Odisha
<p>1. <u>Proposal in brief:</u> 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.</p> <p>(i) This is a proposal for amendment of EC of Baitarini Sand Bed, Amrutpur over an area of 15.00 Acres or 6.07 Hectares in Village Amrutpur under Hatadihi Tahasil in Keonjhar District, Odisha.</p> <p>(ii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. /EC Identification No. – EC23B001OR133215 dt. 17.01.2023 for Baitarini Sand Bed, Amrutpur over an area of 15.00 Acres or 6.07 Hectares in Village Amrutpur under Hatadihi Tahasil In Keonjhar District, Odisha.</p> <p>(iii) During EC application the PP has submitted required documents along with mining plan where it is mentioned that mineable reserve of the proposed sand was 32107 cum with depth of sand deposition was 1.0 meter and proposed for annual extraction-12843 cum.</p> <p>(iv) The SEIAA allowed 2834 cum of sand for 1st year lease period with allowing depth of mining is 1.0 meter.</p> <p>(v) There is an EC conditions point no. 9.1 to 9.2 in page no. 03 that “Pending carrying out of the study & submission of the report, this clearance is being granted in an adhoc manner and is liable to be revoked after one year i.e., after 15th November 2022, if satisfactory replenishment study report is not submitted.”</p> <p>(vi) The PP has mentioned that 1018 cum of sand has been extracted from the source in 1st year.</p> <p>(vii) The PP has submitted replenishment study report was done by the RQP, Sri Pabitra Kumar Swain, RQP and Ms. Geoid Resource Pvt. Ltd., the ORSAC empanel agency with mentioned that Mineable Reserve during Pre-monsoon survey= 12052Cum, Mineable Reserve during Post-monsoon survey = 1023 Cum. Quantity of sand replenished is 347 cum and proposed production is 1700 cum.</p> <p>(viii) Any deficiencies/omission have been noticed in the above documents- Nil</p>	
<p>2. <u>Whether SEAC recommended the proposal</u> – The proposal was placed in the SEAC meeting held on 02.05.2024 and the SEAC decided to recommend the proposal with annual replenishment sand volume of 347 cum.</p>	
<u>Decision of Authority:</u>	

Agenda of 168th Meeting of SEIAA, Odisha held on 24.06.2024 & 25.06.2024

PARIVESH 2.0, AGENDA No.168.22	
Proposal No.	SIA/OR/MIN/450783/2024
Date of application	20.03.2024
File no.	450783/38-MINB2/03-2024
Project Type	Proposal for fresh EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for EC of Brahmani River Brahmarada Sand Quarry over an area of 1.74 Ha. or 4.30 acres at village Brahmarada, Tahsil Rasulpur, District Jajpur, Odisha
Name of the company/Organization	Sri Rajakisor Mishra
Location of Project	village Brahmarada, Tahsil Rasulpur, District Jajpur, Odisha

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.

Project details: The highlights of the project, as ascertained from the application and as revealed from the proceedings/discussions held during the meetings of SEAC/SEIAA, are given as under:

- (i) This is a proposal for mining of sand from Brahmani River Brahmarada Sand Quarry over an area Of 1.74 Ha or 4.30 acres at village Brahmarada, Tahsil Rasulpur, District Jajpur, Odisha.
- (ii) The mining area is a part of Survey of India Toposheet No. 73L/1 and is bounded between the Latitude-20°43'29.08"N to 20°43'40.07" N and Longitude – 86°14'50.07"E to 86°14'53.08" E bearing Khata no. 425 , Plot No. 3537(P), Kissam-Nadi
- (iii) The mining lease is an identified sairat source in the DSR. The Brahmani River Brahmarada Sand Quarry sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Rasulpur to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- (iv) Documents submitted: -Form-1,EMP, PFR, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, Rasulpur, topo map etc.
- (v) Whether submitted KML file of the lease area-Yes
- (vi) Whether submitted scrutiny fee-Yes of Rs. 2000/- vide e Challan Reference Id no. 35CA8ED2CB dt. 21.10.2023
- (vii) Distance from nearest sanctuary/ESZ- Kapilash WLS-50.79 Km
- (viii) Whether the lease area coming in DLC report-No N/A
- (ix) Whether the lease area reflecting in DSR-Yes
- (x) Method of mining-Manual
- (xi) River- Brahmani, Depth of sand deposition-1.5 meter
- (xii) Distance from nearest road bridge-1.12 km, village road-0.21
- (xiii) Whether it is part of cluster – No.
- (xiv) Whether EC obtained earlier-Yes. EC obtained earlier from DEIAA, Jajpur vide letter no. 1855 dt. 04.07.2017
- (xv) Date of approval of mining plan- not submitted.
- (xvi) Production capacity per annum-2422 cum/annum (max.), total production in 5 years period-12055 cum, Geological reserve-18250 cum and Mineable reserve-12055 cum and depth of mining as per approved mining plan is 0.5 meter.
- (xvii) The DSR has not been prepared as per the MoEF& CC, Govt. of India Notification S.O. 3611(E)

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dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020 and as per the Hon'ble Supreme Court order vide its order dated 10.11.2021 in Civil Appeal Nos. 3661-3662 of 2020 (State of Bihar Vrs. Pawan Kumar and Others).

(xviii) Budget provision for EMP of Rs. 1.20 lakh/annum

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

2. **Whether SEAC recommended the proposal** – The proposal was placed in the SEAC meeting held on 29.04.2024 and the SEAC observed the following:

i) KML file enclosed indicates sand mining is continuing beyond lease area as 50% of area is water logged. Location wise the proposed quarry is found all right. and applied production capacity of **2422 cum** may be recommended.

After detailed discussion, the SEAC recommended to grant EC valid from the date of EC accorded upto the lease period with specific conditions stipulated for sand mine with following additional conditions.

Consent / NoC shall be obtained from the concerned authority if village road is to be used for transportation. The said road shall also be maintained by the lessee.

i) In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured.

ii) The boundary area of the deposit as per the updated DSR defined by geo coordinates based on DGPS survey be superimposed on the cadastral map.

iii) Plantation programme to be completed within first two years and to be maintained in remaining years.

iv) The Project proponent shall follow Sustainable Sand Mining Guidelines, 2020.

v) The proponent shall provide Bio- toilet for the workers.

vi) Project Proponent shall not disturb the water course during mining

Decision of Authority:

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PARIVESH 1.0, AGENDA No.168.23	
Proposal No.	SIA/OR/INFRA2/403552/2022
Date of application	06.01.2023
File no.	403552/103-INFRA2/01-2023
Project Type	New proposal for EC
Category	B2
Project/Activity including Schedule No.	8(a) Building & Construction Project
Name of the Project	Proposal for EC of M/s. DNT Infrastructures Private Limited to develop a 2B+G+19 Storied Residential Apartment Building over a built-up area of 42367.32 sqm located at plot no. 817/ 3417, Khata no.-890/99, in Mouza - Sundarpur, Khordha, Bhubaneswar of Sri Nikunja Kishore Das
Name of the company/Organization	M/s. DNT Infrastructures Pvt. Ltd. Sri Nikunja Kishore Das
Location of Project	Mouza - Sundarpur, Khordha, Bhubaneswar
ToR Date	NA
Name of the Consultant	M/s. P and M Solution., Noida, U.P.

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

1. This proposal is for environmental clearance of M/s. DNT Infrastructures Private Limited to develop a 2B+G+19 Storied Residential Apartment Building over a built-up area of 42367.32 sqm located at plot no. 817/ 3417, Khata no.-890/99, in Mouza - Sundarpur, Khordha, Bhubaneswar of Sri Nikunja Kishore Das.
2. **Category:** The project requires prior Environmental Clearance under the provisions of EIA Notification, 2006 and subsequent amendment and falls under Category B of activity 8(a)-Building & Construction projects.
3. **Location and connectivity:** Project site is located at Plot no. 817/3417, Khata no.- 890/99, in Mouza - Sundarpur, Khordha, Bhubaneswar, Orissa. The Geographical coordinates of the project site are 20°21'12.7"N and 85°46'17.4"E and fall within Toposheet no. 73H/15. Site is flat land with average elevation of 39.92 m AMSL. Project site is well connected with road and it also connects Khandagiri-Chandaka road at a distance of 0.41 km, towards W. Site connects to NH-16 which is 8.36 km towards South direction. Site connects to SH 60 at 12.88 km in E direction. Bhubaneswar new junction railway station is 7.34 km away in NE direction. Biju Patnaik International Airport is at 12.19 km in S.
4. **Area Details:** The total plot area of the project site is 6029.76 sqm (0.602 ha./1.49 acres). Project involves development of 152 nos. of residential apartments. Built-up area of project after development will be approx. 42367.32 sqm.

Table: Area Summary

Sl. No.	Description	Total (SQ M)
1.	Plot Area	6029.76
2.	Proposed Ground Coverage (26.99 % of total plot area)	1627.61
3.	FAR area (@5.31)	31935.44
4.	NON FAR area	10431.88
5.	Built-up Area	42367.32
6.	Green Area (33 % of plot area)	1945.64
7.	Open Parking area (@ 4.50 % of plot Area)	271.87

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8.	Open/Amenities (52.97 % of the plot area)	3225.82
9.	Height	62.80
10.	No. of Dwelling Units	152

5. **Water requirement: Revised Water Balance has been submitted in ADS** - Total water requirement is **84 KLD**, out of which domestic water requirement is **71 KLD (Freshwater requirement - 50 KLD + Recycled Water - 21 KLD)**. Wastewater generation – 61KLD treated in STP of capacity 100 KLD. Treated water from the STP – 55 KLD will be used for flushing (21 KLD), fire fighting (1 KLD), DG cooling (4 KLD) and horticulture purpose (8 KLD) and discharge to drain – 21 KLD (Non monsoon period) and 29 KLD (Monsoon period).
6. **Previous Water Balance submitted in EIA & Presentation** - Total water requirement during operation phase is 103 KLD out of which domestic water requirement is 95 and freshwater requirement is 65 KLD. Source of water during operation phase will be ground water.

Category	Population/Area (sq m)/Capacity	Standard (LPCD)	Water Requirement (KLD)	Fresh Water Requirement (KLD)	Recycled Water requirement(KLD)
Domestic					
Residents	684	135	92	64	28
Staff	34	45	2	0.6	1.4
Visitors	68	15	1	0.7	0.3
Total Domestic Water Demand			95	65	30
Landscape	1945.64 sq.m	3 ltr/sqm	3	-	3
Fire Fighting	-	-	1	-	1
DG cooling	500 KVA (1*500)	0.9 l/kVA/hr	4	-	4
Total		-	103	65	38

7. **Wastewater generation:** Sewage generation from the site is expected to be 89 KLD which will be treated in STP of capacity 100 KLD proposed to be constructed at the site. Treated water from the STP will be used for flushing, fire fighting, DG cooling and horticulture purpose.
8. **Rainwater harvesting:** Storm water drainage system will be provided at the site for channelizing storm water and prevents local flooding. Covered storm water drains will be provided at the site. Run-off from the site will be collected and recharged into ground through 18 nos. of RWH pits for harvesting 112320 liters.
9. **Parking detail:** Total Parking area is 10040.05 sq.m. Adequate parking will be provided to accommodate the expected vehicles during operation phase of the project in line with the requirement of Local Building by Laws.
10. **Power requirement:** Maximum power demand for the project during operation phase is estimated to be 1500 kVA. Source of power will be TPCODL. DG sets of Total 500 KVA will be provided as power back-up during power failure. The height of the DG Stacks will be 6 meter above building height. Provision of Solar power for lighting and water heating is there.
11. **Solid waste generation:** During operation phase, waste comprise of municipal waste. It is estimated that approx. 370 kg per day of waste (0.5 kg per capita per day for the residents, 0.15 kg per capita per day for the visitor. 0.25 kg per capita per day for the staff members, whereas 0.2 kg/acre/day is considered for

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landscape waste) to be generated from project site. STP sludge expected to generate is approx. 8 kg/day.

S. No.	Description	Occupancy/Area	kg/capita/day	Total Solid Waste Generation (kg/day)	Recyclable (kg/day)	Non-Recyclable(kg/day)
a)	Residents	684	0.5	342	274	68
b)	Staff	34	0.25	9	7.2	1.8
c)	Visitors	68	0.15	10	8	2
d)	Landscape waste	0.22 acres	0.2 kg/acres	1	1	-
e)	Domestic Municipal waste generated			362	290	72
f)	STP sludge	100 KLD	--	8	6	2
Total Waste Generated				370	296	74

12. **Greenbelt: Revised Greenbelt as submitted in ADS - Total Plot Area-6010.52 sq.mt. Provided Greenbelt-1262.20 sq.mt (21% of total plot area).**

13. **Previous Greenbelt submitted in EIA & Presentation** Green area will be provided in total area of 1945.64 sq m (33 % of plot area) which will enhance the beauty of the site and help combat air and noise pollution. The plant species will be selected on the basis of Guidelines for Developing Green Belts, CPCB March 2000. Number of trees required is 1 tree/80 sq.m. of plot area which comes to 75 nos.

14. **Project Cost:** Total cost of the project is INR 99 Crores. EMP cost includes capital cost of 42 lakhs and recurring cost of 19 lakhs.

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

16. The SEAC in its meeting held on dated 14.02.2023 recommended the followings;

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

- a) Certificate from the concerned DFO regarding distance of proposed project from Chandaka Dampara Wildlife Sanctuary and its Eco Sensitive Zone as well as Nandan Kanan Sanctuary and its' Eco Sensitive Zone.
- b) Revised surface layout w.r.t location of DG set and Stack including calculations of stack height.
- c) Detailed drainage plan, internal drainage details, drainage permission with supporting documents and NOC for drainage from concerned authority.
- d) Revised water balance for both monsoon and non-monsoon season.
- e) Revised solid waste management plan.
- f) Traffic study report vetted by reputed institute.
- g) Increase the peripheral greenbelt with minimum of 20% of total plot area.
- h) Details of renewable energy (Solar Energy) along with its generation, total power consumption, PV cell capacity.

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

- a) Environmental settings of the project site.
- b) Construction activity, if any started at the site.
- c) Road connectivity to the project site.
- d) Drainage network at the site.
- e) Discharge point for discharge of treated water and distance of the discharge point from the project

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site.

f) Any other local issues.

17. **The proposed site was visited by the sub-committee of SEAC on 29.03.2023. Following are the observations of the sub-committee:**

- a) PP was present. No construction initiated at the project and the site is clean.
- b) Road and Drain is available in front of the land at road side.
- c) Permission needs to be obtained from PWD or the appropriate authority to discharge excess treated water. However, PP needs to attempt for ZLD.
- d) No trees planted; thus, green belt development is necessary as per norm.
- e) All documents asked during presentation to be submitted.

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	Views of SEAC
a)	Certificate from the concerned DFO regarding distance of proposed project from Chandaka Dampara Wildlife Sanctuary and its Eco Sensitive Zone as well as Nandan Kanan Sanctuary and its' Eco Sensitive Zone.	DFO certificate is attached as Annexure I.	DFO, Chandaka Wildlife Division certified that Mouza Sundarpur is not coming within Eco-sensitive zone of Chandaka Dampara Wildlife Sanctuary. Certificate from the concerned DFO, Nandan Kanan Sanctuary and its' Eco Sensitive Zone has not been submitted.
b)	Revised surface layout w.r.t location of DG set and Stack including calculations of stack height.	Surface layout plan showing the DG set location is attached as Annexure II.	Only surface layout is submitted showing location of DG sets. Stack including Calculations of stack height is not submitted.
c)	Detailed drainage plan, internal drainage details, drainage permission with supporting documents and NOC for drainage from concerned authority.	Drainage plan, Internal drainage plan is attached as Annexure III. Application for NOC is attached as Annexure IV.	Drainage map submitted both in layout and Google map. Application for NOC for drainage from concerned authority has been submitted by the PP. To be added as specific condition.
d)	Revised water balance for both monsoon and non-monsoon season.	Revised water balance is attached as Annexure V.	submitted

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	<p>e) Revised solid waste management plan.</p>	<p>Solid waste management plan.</p> <ol style="list-style-type: none"> 1. The solid waste will be segregated at source & collected. 2. Adequate number of colored bins (green, white & Black) 141 approx. 10no. separate for bio-degradable, non-biodegradable and Hazardous waste are proposed to be provided at the strategic location within site. <p>Type of Waste:</p> <ol style="list-style-type: none"> A. Organic waste/ Bio-degradable: (Waste vegetable, food etc.) – will be composted will be used as Manure. B. Inorganic waste/Non-Biodegradable: Metals, plastics, polythene bags, glass etc. – will be disposed to govt. or SPCB approved third party vendors. C. The Hazardous waste generated will be managed as per the Hazardous and other Wastes (Management and Tran’s boundary Movement) Rules, 2016. D. Horticultural Waste is composted and used for gardening purpose. <p>Management plan for Pest Control due to the generation of Solid waste:</p> <ol style="list-style-type: none"> 1. Waste disposal units 	-	
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		<p>should be covered and sealed.</p> <p>2. Waste disposal area should be clean and disposal process should be done on the same day to maintain the hygiene and to avoid the collection of pest.</p> <p>3. Install insect traps if required</p> <p>4. Use of physical, chemical and biological methods to control pest.</p>	
f)	Traffic study report vetted by reputed institute.	Traffic study report vetted by reputed institute is attached as Annexure VI .	Traffic study report vetted by KIIT, BBSR concludes after 10 years, the LOS found to be 'B' with or without project.
g)	Increase the peripheral greenbelt with minimum of 20% of total plot area.	Peripheral greenbelt showing 20% green belt area of total plot area is attached as Annexure VII .	Total Plot Area-6010.52 sq.mt Required Peripheral Greenbelt 20% of total plot area Provided Greenbelt-1262.20 sq.mt (21% of total plot area).
h)	Details of renewable energy (Solar Energy) along with its generation, total power consumption, PV cell capacity.	Required solar roof top system = 500 sq.mt Required Solar Water Heating System = 100 LPD/ single flat Total Provided Solar Water Heating System 15200 LPD/152 flat renewable energy (Solar Energy) plan is attached as Annexure VIII .	Detailed Calculation has not been submitted in terms of percentage of renewable energy contributed to total power demand. However, layout submitted.

19. The SEAC in its meeting held on dated 19-06-2023 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:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of SEAC
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a)	Certificate from the concerned DFO, Nandan Kanan Sanctuary and its' Eco Sensitive Zone has not been submitted.	We have already submitted the certificate issued from DFO, Chandaka that our zone is not coming within Eco-sensitive Zone of Chandaka – Dampara Wild Life Sanctuary and Nanadankanan Zoo.	The PP has submitted regarding Chandaka – Dampara Wild Life Sanctuary and there is no mention of NOC of DFO from Nandan Kanan Sanctuary.
b)	A calculation of stack height of DG set as asked has not been submitted.	We are submitting the calculation sheet of the Stack height of DG.	Submitted and height is 69meter.
c)	Detailed Calculation has not been submitted in terms of percentage of renewable energy contributed to total power demand.	Detailed calculation of percentage of Renewable Energy contributed to total power demand is attached herewith as an enclosure.	Solar Installation details is not clear.
d)	RL of the bottom of the rainwater discharge pit as well as RL of ground water table during rainy and summer season.	-----	Not submitted
e)	Source of water for use during construction phase.	-----	Not submitted

20. The SEAC in its meeting held on dated 18-08-2023 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:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of SEAC
a)	Total Solar power installation in kilowatt and its contribution to total power demand.	Clarification against the same: Dear Sir, detailed calculation of percentage of Renewable Energy contribution to total power demand is attached herewith as an enclosure.	Solar Based Lighting will be done in the common areas, signages, entry gates and boundary walls etc.=73.32kVA
b)	RL of the bottom of the rainwater discharge pit as well as RL of ground water table during rainy and summer season.	-----	Not submitted
c)	Source of water for use during construction phase.	-----	Not submitted

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d)	Certificate from Deputy Director Nandankanan regarding ESZ.	Clarification against the same: Dear Sir, we have already submitted the certificate issued from DFO, Chandaka that our zone is not coming within Eco-Sensitive Zone of Chandaka- Dampara Wild Life Sanctuary and Nandankanan Zoo.	Copy Submitted
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21. The SEAC in its meeting held on dated **29-01-2024** 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	Views of SEAC
1.	RL of the bottom of the rainwater discharge pit as well as RL of ground water table during rainy and summer season.	RL of the bottom of the rain water harvesting pit is 10m and ground water level pre-monsoon is 2 to 10 mbgl and water level ranges from 0.02 mbgl to 15.1 in mbgl during post monsoon.	complied
2.	Source of water for use during construction phase.	Tanker water will be purchased from outside.	complied

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

2. Whether SEAC recommended the proposal –Yes, the proposal was placed in the SEAC meeting held on 21.03.2024 and the SEAC recommended for grant of Environmental Clearance valid for 10 years with stipulated conditions as per **Annexure – B** in addition to the following specific conditions.
- i) The Proponent before implementation of the project shall convert the land to Gharabari and shall take the ownership of the land if not already taken.
 - ii) The Proponent shall obtain permission/NOC from Executive Engg. (PHD) and / or from the appropriate authority for disposal of excess STP treated water to the nearest drain without which the Proponent will not start construction work. Also, in case of the connecting drain passing through others land (Govt. or Private land), the Proponent shall obtain the permission and possession as the case may be.
 - iii) The project will be using 50 KLD ground water during its operational phase. The required permission from the CGWA / appropriate authority shall be obtained.
 - iv) The project is under the jurisdiction of BDA. Necessary permission for the discharge of excess treated water along with rainwater from the project site to the public drain shall be obtained.
 - v) The proponent shall use solar energy at least to the tune of 5% of total power requirement as proposed.
 - vi) The proponent shall obtain permission from concerned Fire Safety Authority.
 - 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.

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- x) All compliances submitted/ committed by PP(s) shall be strictly adhered to them in addition to all the conditions/ specific conditions of EC.

The proposal was placed in the 164th meeting of SEIAA held on and was decided that the authority noted that the consultant M/s P&M Solution, Noida stands debarred vide SEIAA, Odisha file no. SEIAA-103/12-2023 dated 06th April, 2024 for submitting any report /documents to SEIAA, Odisha for obtaining EC in terms of provision of EIA Notification, 2006 for a period of six months i.e. upto 5th October, 2024 from the date of issue of the letter.

In view of this, the authority decided that, the PP may await completion of the debarment period of M/s P&M Solution, Noida or submit revised appraisal report (i.e. Form-I, Form-IA, checklist, conceptual plan and other documents related to project) from any other NABET Accredited consultant for consideration of the proposal.

Decision of Authority:

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PARIVESH 2.0, AGENDA No.168.24	
Proposal No.	SIA/OR/MIN/456846/2024
Date of application	27.12.2023
File no.	456846/23-MINB2/12-2023
Project Type	Proposal for fresh EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for EC of Hatibeda Stone Quarry-II over 0.45 Hectare or 1.12 acres in Village Hatibeda under Papadahandi Tahasil of Nabarangpur District Odisha
Name of the company/Organization	Sri Himansu Sekhar Nayak
Location of Project	Village Hatibeda under Papadahandi Tahasil of Nabarangpur District Odisha

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.

Project details: The highlights of the project, as ascertained from the application and as revealed from the proceedings/discussions held during the meetings of SEAC/SEIAA, are given as under:

- (i) This is a proposal for mining of stone from Hatibeda Stone Quarry-II over 0.45 Hectare or 1.12 acres in Village Hatibeda under Papadahandi Tahasil of Nabarangpur District Odisha.
- (ii) The mining area is a part of Survey of India Toposheet No. 651/7 and is bounded between the Latitude- 19°26'36.40"N to 19°26'38.93" N and Longitude – 82°21'39.11"E to 82°21'44.25"E bearing Khata no. 1015 , Plot No. 22, Kissam-Patharbarani
- (iii) The mining lease is an identified sairat source in the DSR. The Hatibeda Stone Quarry-II sairat source will be leased out under the OMMC Rules, 2016 by Mining Officer, Nabarangpur to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- (iv) Documents submitted: -Form-1, EMP, DLC, PFR, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Mining Officer, Nabarangpur, topo map etc.
- (v) Whether submitted KML file of the lease area-Yes
- (vi) Whether submitted scrutiny fee-Yes of Rs. 1000/- vide e Challan Reference Id no. 4. e Challan Reference Id 35D6330442 dt. 26.12.2023
- (vii) Distance from nearest sanctuary/ESZ- Sunabeda WLS-50.79 Km
- (viii) Whether the lease area coming in DLC report-No, as certified by Tahasildar, Papadahandi vide letter no. Nil dt. 21.03.2023
- (ix) Whether the lease area reflecting in DSR-Yes
- (x) Method of mining-Semi-mechanized method
- (xi) Distance from nearest road bridge-3.2 km, **village road-0.11**, Electric transmission line-**0.06km**
- (xii) Whether it is part of cluster – No.
- (xiii) Whether EC obtained earlier-Yes. EC obtained earlier from DEIAA, Nabarangpur vide letter no. 1086 dt. 18.05.2016 and further extension of validity of EC obtained from SEIAA, Odisha vide letter no. 2956/SEIAA dt. 28.09.2021.
- (xiv) Date of approval of mining plan- by the Joint Director Geology, Zonal Survey, Koraput vide letter no. 960 dt. 14.12.2023.
- (xv) Production capacity per annum-13273 cum/annum (max.), total production in 5 years period-12055 cum, Geological reserve-62681 cum and Mineable reserve-17401 cum.
- (xvi) The DSR has not been prepared as per the MoEF& CC, Govt. of India Notification S.O. 3611(E)

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dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020 and as per the Hon'ble Supreme Court order vide its order dated 10.11.2021 in Civil Appeal Nos. 3661-3662 of 2020 (State of Bihar Vrs. Pawan Kumar and Others).

- (xvii) Budget provision for EMP of Rs. 2.6 lakh (Capital cost) and Rs. 3.2 lakh/annum (Recurring Cost)
- (xviii) Any deficiencies/omission have been noticed in the above documents- Nil

2. **Whether SEAC recommended the proposal** – The proposal was placed in the SEAC meeting held on 29th April, 01st, 02nd, 03rd and 04th May 2024 and the SEAC **recommended to grant EC** valid from the date of EC accorded up to the lease period with following additional conditions.

- i) Submission of kml file showing Hatibeda-I and III mines (which is not shown in the kml file submitted and only distance is mentioned in ADS submitted.
- ii) Consent / NoC shall be obtained from the concerned authority if village road is to be used for transportation. The said road shall also be maintained by the lessee.
- iii) In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured
- iv) Plantation programme to be completed within first two years and to be maintained in remaining years.

Decision of Authority:

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PARIVESH 2.0, AGENDA No.168.25	
Proposal No.	SIA/OR/MIN/470060/2024
Date of application	20.04.2024
File no.	470060/58-MINB2/04-2024
Project Type	Proposal for fresh EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for EC of Badbanga Stone Quarry over an area 1.946 Hectares or 4.81 acres in Village-Badbanga under Lephripara Tahasil of Sundargarh District Odisha.
Name of the company/Organization	Sri Shiba Prasad Padhi
Location of Project	Village-Badbanga under Lephripara Tahasil of Sundargarh District Odisha

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.

Project details: The highlights of the project, as ascertained from the application and as revealed from the proceedings/discussions held during the meetings of SEAC/SEIAA, are given as under:

- (i) This is a proposal for mining of stone from Badbanga Stone Quarry over an area 1.946 Hectares or 4.81 acres in Village-Badbanga under Lephripara Tahasil of Sundargarh District Odisha.
- (ii) The mining area is a part of Survey of India Toposheet No. F44R13 & F44L16 and is bounded between the Latitude- 22°01'23.98" N to 22°01'30.40" N and Longitude – 83°55'57.77" E to 83°56'02.51" E. bearing Khata no. 75, Plot no. 954/P, Kissam-Sarba Sadharan, Khata no. 77, Plot no. 905, 906, Kissam-Patit.
- (iii) The mining lease is an identified sairat source in the DSR. The Badbanga Stone Quarry sairat source will be leased out under the OMMC Rules, 2016 by Mining Officer, Sundargarh to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- (iv) Documents submitted: -Form-1, EMP, DLC, PFR, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Mining Officer, Sundargarh, topo map etc.
- (v) Whether submitted KML file of the lease area-Yes
- (vi) Whether submitted scrutiny fee-Yes of Rs. 1000/- vide e Challan Reference Id no. e Challan Reference Id 37E:E9B5FDE dt. 26.02.2024
- (vii) Distance from nearest sanctuary/ESZ- Debrigarh WLS-47.0 Km
- (viii) Whether the lease area coming in DLC report-No, as certified by Tahasildar, Lepripara vide letter no. Nil dt. 07.03.2024
- (ix) Whether the lease area reflecting in DSR-Yes
- (x) Method of mining-Semi-mechanized method
- (xi) Distance from nearest road bridge-1.46 km, village road-0.231
- (xii) Whether it is part of cluster – No.
- (xiii) Whether EC obtained earlier-Yes. EC obtained earlier from DEIAA, Sundargarh vide letter no. 512 dt. 16.10.2019.
- (xiv) Date of approval of mining plan- by the Deputy Director Geology, Zonal Survey, Sambalpur vide letter no. Nil dt. 21.02.2022.
- (xv) Production capacity per annum-8008 cum/annum (max.), total production in 2 years period-16016 cum, Geological reserve-233583 cum and Mineable reserve-122850 cum.
- (xvi) The DSR has not been prepared as per the MoEF& CC, Govt. of India Notification S.O. 3611(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring

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Guideline for sand mining-2020 and as per the Hon'ble Supreme Court order vide its order dated 10.11.2021 in Civil Appeal Nos. 3661-3662 of 2020 (State of Bihar Vrs. Pawan Kumar and Others).

(xvii) Budget provision for EMP of Rs. 2.6 lakh (Capital cost) and Rs. 3.2 lakh/annum (Recurring Cost)

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

Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 29th April, 01st, 02nd, 03rd and 04th May 2024 and the SEAC **recommended to grant EC** to the proposal upto the lease period with following additional conditions.

- i) EC may be granted upto **31.03.2024** and not up to September, 2024. The Project Proponent has mentioned EC period up to Sept, 2024 in documents like PFR, EMP and Mining plan whereas as per lease agreement, the lease period is upto 31.03.2024.
- ii) Precautionary measures may be taken while doing blasting and using village road for transportation.
- iii) Air quality monitoring and occupational health check-up should be under taken at least half-yearly basis instead of once a year.

Decision of Authority:

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PARIVESH 2.0, AGENDA No.168.26	
Proposal No.	SIA/OR/MIN/469997/2024
Date of application	25.04.2024
File no.	469997/61-MINB2/04-2024
Project Type	Proposal for fresh EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for EC of Tharkaspur Sand Bed (Khata No-32, Plot No-534/646) over an area of 12.24 acres or 4.95 hacters in village Tharkaspur under Jharsuguda Tahasil of Jharsuguda district, Odisha.
Name of the company/Organization	Sri Pintu Seth
Location of Project	village Tharkaspur under Jharsuguda Tahasil of Jharsuguda district, Odisha

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.

Project details: The highlights of the project, as ascertained from the application and as revealed from the proceedings/discussions held during the meetings of SEAC/SEIAA, are given as under:

- (i) This is a proposal for mining of sand from Tharkaspur Sand Bed (Khata No-32, Plot No-534/646) over an area of 12.24 acres or 4.95 hacters in village Tharkaspur under Jharsuguda Tahasil of Jharsuguda district, Odisha.
- (ii) The mining area is a part of Survey of India Toposheet No. F45M1 and is bounded between the Latitude- 21°54'11.53"N to 21°54'19.66"N and Longitude – 83°58'06.96"E to 83°58'18.20"E. bearing Khata no. 32, Plot no. 534/646, Kissam-Nadi.
- (iii) The mining lease is an identified sairat source in the DSR. The Tharkaspur Sand Bed sairat source will be leased out under the OMMC Rules, 2016 by Mining Officer, Jharsuguda to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- (iv) Documents submitted: -Form-1, EMP, PFR, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Mining Officer, Jharsuguda, topo map etc.
- (v) Whether submitted KML file of the lease area-Yes
- (vi) Whether submitted scrutiny fee-Yes of Rs. 2000/- vide e Challan Reference Id no. e Challan Reference Id 37FA809814 dt. 25.04.2024
- (vii) Distance from nearest sanctuary/ESZ- Ushakothi WLS-55.0 Km
- (viii) Whether the lease area coming in DLC report-No, N/A
- (ix) Whether the lease area reflecting in DSR-Yes
- (x) Method of mining-Manual
- (xi) River-IB, Depth of sand deposition-1.0 meter
- (xii) Distance from nearest road bridge-4.09 km, village road-0.17km
- (xiii) Whether it is part of cluster – No.
- (xiv) Whether EC obtained earlier-No
- (xv) Date of approval of Modified mining plan- by the Deputy Director Geology, Zonal Survey, Sambalpur vide letter no. 370 dt. 28.03.2024.
- (xvi) Production capacity per annum-5000 cum/annum (max.), total production in 5 years period-16016 cum, Geological reserve- 29641.458 cum and Mineable reserve- 25992.278 cum.
- (xvii) The DSR has not been prepared as per the MoEF& CC, Govt. of India Notification S.O. 3611(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring

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Guideline for sand mining-2020 and as per the Hon'ble Supreme Court order vide its order dated 10.11.2021 in Civil Appeal Nos. 3661-3662 of 2020 (State of Bihar Vrs. Pawan Kumar and Others).

(xviii) Budget provision for EMP of Rs. 1.5 lakh (Capital cost) and Rs. 0.20 lakh/annum (Recurring Cost)

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

Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 15th & 16th May 2024 and the SEAC recommended to grant EC valid from the date of EC accorded upto the lease period with specific conditions stipulated for sand mine with following additional conditions.

- i) Consent / NoC shall be obtained from the concerned authority if village road is to be used for transportation. The said road shall also be maintained by the lessee.
- ii) In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured.
- iii) The boundary area of the deposit as per the updated DSR defined by geo coordinates based on DGPS survey be superimposed on the cadastral map.
- iv) Plantation programme to be completed within first two years and to be maintained in remaining years.
- v) The Project proponent shall follow Sustainable Sand Mining Guidelines, 2020.
- vi) The proponent shall provide Bio- toilet for the workers.
- vii) Project Proponent shall not disturb the water course during mining

However, EC shall be granted subject to following submission of documents-

- i) Satisfactory compliance of previous EC.
- ii) As per DSR attached, lease area is 6.0702 ha. As per Revised Mining Plan attached area has been reduced to 4.95 ha. Satisfactory clarification/justification giving reasons for such reduction.

Decision of Authority:

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PARIVESH 2.0, AGENDA No.168.27	
Proposal No.	SIA/OR/MIN/472696/2024
Date of application	13.05.2024
State file no.	SEIAA-621/09-2020
Project Type	Transfer of EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for transfer of EC of Burutulu Sand Bed Over an Area of 10.00 Acres or 4.046 Hectares in Village Burutulu Under Purushottampur Tahasil of Ganjam District.
Name of the company/Organization	Sri Jagdish Padhy
Location of Project	Village Burutulu Under Purushottampur Tahasil of Ganjam District.
<p>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 SEIAA, are given as under.</p> <ul style="list-style-type: none"> (i) This is a proposal Transfer of EC of Burutulu Sand Bed Over an Area of 10.00 Acres or 4.046 Hectares in Village Burutulu Under Purushottampur Tahasil of Ganjam District, Odisha. (ii) Documents submitted: Application in Form-7, earlier EC copy, forwarding letter, Status of quarry and scrutiny of Rs. 2000/- vide e-Challan Ref. No. 37FFBC4343 dated 13.05.204. (iii) The EC of Burutulu Sand Bed Over an Area of 10.00 Acres or 4.046 Hectares in Village Burutulu Under Purushottampur Tahasil of Ganjam District, Odisha was in favour of Tahasildar, Purushottampur vide SEIAA letter no./Identification No. 10314/SEIAA dt. 17.12.2020. (iv) Present status of quarry- working (v) Whether submitted KML file-Yes (vi) The project proponent applied proposal for transfer of EC from the name Tahasildar, Purushottampur to Sri Jagdish Padhy, (highest bidder/lessee) without attaching any forwarding letter. Hence, ADS raised by SEIAA, Odisha on 01.06.2024 with view that the project proponent ask to submit no objection certificate from concerned lease granting Authority. On reply of this the PP has submitted letter of the Deputy Director of Mines, Ganjam Circle, Berhampur vide letter no. 608 dated 10.06.2024 with mentioned that there is no pending Court Cases as far as the lease and no pending Govt. dues against the lessee. (vii) Any deficiencies/omission have been noticed in the above documents-There is a High Court Case vide W.P.(C) No. 13651 of 2022 and Hon'ble Court in its order dt. 03.05.2024 where it is mentioned that already the Collector Ganjam vide order dt. 22.04.2022 cancel the tender process and directed the Tahasildar, Purusottampur to go ahead with fresh advertisement for lease of Burutulu sand Bed. 	
2. Whether SEAC recommended the proposal – N/A	
<u>Decision of Authority:</u>	

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PARIVESH 2.0, AGENDA No.168.28	
Proposal No.	SIA/OR/MIN/467923/2024
Date of application	31.03.2024
File no.	467923/147-MIN/03-2024
Project Type	Proposal for Amendment of EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Amendment of EC of Birajadunathpur Sand Quarry over an area of 12.35 acres or 4.997 hectares in village Birajadunathpursasan under Karanjia Tahasil in Mayurbhanj District, Odisha
Name of the company/Organization	Md. Nurul Islam
Location of Project	village Birajadunathpursasan under Karanjia Tahasil in Mayurbhanj District, Odisha

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.

- (ii) This is a proposal for amendment of EC of Birajadunathpur Sand Quarry over an area of 12.35 acres or 4.997 hectares in village Birajadunathpursasan under Karanjia Tahasil in Mayurbhanj District, Odisha.
- (iii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. /EC Identification No. – 2845/SEIAA dt. 22.09.2021 & EC transfer vide letter no. 3890/SEIAA dt. 28.01.2022 for Birajadunathpur Sand Quarry over an area of 12.35 acres or 4.997 hectares in village Birajadunathpursasan under Karanjia Tahasil in Mayurbhanj District, Odisha.
- (iv) During EC application the PP has submitted required documents along with mining plan where it is mentioned that mineable reserve of the proposed sand bed is 40435 cum with depth of sand deposition was 1.0 meter and proposed for annual extraction-8087 cum.
- (v) The SEIAA allowed 5000 cum of sand for 1st year production with depth of mining 0.5 meter.
- (vi) There is an EC conditions point no. 9.1 to 9.2 in page no. 03 that “Pending carrying out of the study & submission of the report, this clearance is being granted in an adhoc manner and is liable to be revoked after one year i.e., after 15th December 2022, if satisfactory replenishment study report is not submitted.”
- (vii) EC Amended by SEIAA, Odisha on dt. 05.06.2023 with allowing the production quantity of sand 4760 cum (permitted quantity in EC letter 5000 cum – extracted quantity in 1st year lease period 240 cum)
- (viii) The PP has not mentioned the last year production details.
- (ix) The PP has submitted replenishment study report was done by the Sri Pabitra Kumar Swain, RQP along with GEOID Resources Pvt. Ltd. the ORSAC empanel agency with mentioned that Pre-Monsoon volume of sand-2752 cum, Post-Monsoon volume of sand = 2999 cum and quantity of sand replenished is **1073 cum** and proposed production 1073 cum.
- (x) Any deficiencies/omission have been noticed in the above documents- Nil

2. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 04.05. 2024 and The SEAC observed the following:

- i) Inspection carried out by a joint inspection team in June 2023 found that lease area is water logged and approx. 800cum – 1000cum sand is available within the lease area.
- ii) The team has submitted that most of the time this lease area is covered with water and during summer

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small patches of sand deposit is found.

iii) As per replenishment study report **1073 m³** of sand is replenished.

iv) The SEAC decided to recommend the proposal for **1073m³** only in summer and in no circumstances mining will be carried out from the water logged area

Decision of Authority:

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PARIVESH 2.0, AGENDA No.168.29	
Proposal No.	SIA/OR/MIN/468885/2024
Date of application	10.04.2024
File no.	468885/159-MIN/04-2024
Project Type	Proposal for Amendment of EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Amendment of EC of Mahadevdeuli-II Sand Quarry (Baitarani River) over an area of 12.35 Acres or 4.997 Hectares in Village Mahadevdeli under Karanjia Tahasil In Mayurbhanj District, Odisha
Name of the company/Organization	Md. Nasir Hussain
Location of Project	village Birajadunathpursasan under Karanjia Tahasil in Mayurbhanj District, Odisha

1. Proposal in brief:

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

- (i) This is a proposal for amendment of EC of Mahadevdeuli-II Sand Quarry (Baitarani River) over an area of 12.35 Acres or 4.997 Hectares in Village Mahadevdeli under Karanjia Tahasil In Mayurbhanj District, Odisha.
- (ii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. /EC Identification No. – 1379/SEIAA dt. 24.05.2021 & EC transfer vide letter no. 3641/SEIAA dt. 18.12.2021 for Mahadevdeuli-II Sand Quarry (Baitarani River) over an area of 12.35 Acres or 4.997 Hectares in Village Mahadevdeli under Karanjia Tahasil in Mayurbhanj District, Odisha.
- (iii) During EC application the PP has submitted required documents along with mining plan where it is mentioned that mineable reserve of the proposed sand bed is 36120 cum with depth of sand deposition was 1.0 meter and proposed for annual extraction-9030 cum.
- (iv) The SEIAA allowed 7224 cum of sand for 1st year production with depth of mining 0.5 meter.
- (v) There is an EC conditions point no. 9.1 to 9.2 in page no. 03 that “Pending carrying out of the study & submission of the report, this clearance is being granted in an adhoc manner and is liable to be revoked after one year i.e., after 15th May 2022, if satisfactory replenishment study report is not submitted.”
- (vi) EC Amended by SEIAA, Odisha vide letter no. 4945/SEIAA dt 26.07.2022 with allowing the production quantity of sand 4500 cum.
- (vii) The PP has not mentioned the last year production details.
- (viii) The PP has submitted replenishment study report was done by the Sri Pabitra Kumar Swain, RQP along with GEOID Resources Pvt. Ltd. the ORSAC empanel agency with mentioned that Pre-Monsoon volume of sand-7930 cum, Post-Monsoon volume of sand = 8820 cum and quantity of sand replenished is **1576 cum** and proposed production 1576 cum.
- (ix) Any deficiencies/omission have been noticed in the above documents- Nil

2. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 04.05. 2024 and the SEAC decided to recommend the proposal as per the replenishment study and volume replenished i.e. **1576cum/annum** subjected modification of Mining Plan.

Decision of Authority:

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PARIVESH 2.0, AGENDA No.168.30	
Proposal No.	SIA/OR/MIN/469193/2024
Date of application	13.04.2024
File no.	469193/166-MIN/04-2024
Project Type	Proposal for Amendment of EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Amendment of EC of Kainda Sand Quarry, Kainda over an area of 2.050 acres or 0.830 hectares in village Kainda under Patna Tahasil in Keonjhar District, Odisha.
Name of the company/Organization	Sri Pravat Sahoo
Location of Project	in village Kainda under Patna Tahasil In Keonjhar District, Odisha.
<p>1. <u>Proposal in brief:</u> 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.</p> <p>(i) This is a proposal for amendment of EC of Kainda Sand Quarry, Kainda over an area of 2.050 acres or 0.830 hectares in village Kainda under Patna Tahasil in Keonjhar District, Odisha.</p> <p>(ii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. /EC Identification No. – 8767/SEIAA dt. 21.08.2020 for Kainda Sand Quarry, Kainda over an area of 2.050 acres or 0.830 hectares in village Kainda under Patna Tahasil in Keonjhar District, Odisha.</p> <p>(iii) During EC application the PP has submitted required documents along with mining plan where it is mentioned that mineable reserve of the proposed sand bed is 3100 cum with depth of sand deposition was 1.0 meter and proposed for annual extraction-3000 cum.</p> <p>(iv) The SEIAA allowed 3000 cum of sand for 1st year production with depth of mining 0.5 meter.</p> <p>(v) There is an EC conditions point no. 1 to 2 in page no. 02 that “Pending carrying out of the study & submission of the report, this clearance is being granted in an adhoc manner and is liable to be revoked after one year i.e., after October 2021, if satisfactory replenishment study report is not submitted.”</p> <p>(vi) EC Amended by SEIAA, Odisha vide letter no. 4945/SEIAA dt 26.07.2022 with allowing the production quantity of sand 4500 cum.</p> <p>(vii) The PP has mentioned that from 2020-21 to 2023-24, 7449 cum of sand has been extracted from the source for last 3 years.</p> <p>(viii) The PP has submitted replenishment study report was done by the My World Consultancy Services Pvt Ltd. the ORSAC empanel agency with mentioned that Average RL post monsoon =339.797 m, Average RL pre monsoon = 337.949 m and quantity of sand replenished is 489.72 cum and proposed production 490 cum.</p> <p>(ix) Any deficiencies/omission have been noticed in the above documents- Nil</p>	
<p>2. <u>Whether SEAC recommended the proposal</u> – The proposal was placed in the SEAC meeting held on 04.05. 2024 and the SEAC decided to recommend the proposal as per the replenishment study and volume replenished i.e. 490cum/annum subjected modification of Mining Plan.</p>	
<u>Decision of Authority:</u>	

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PARIVESH 2.0, AGENDA No.168.31	
Proposal No.	SIA/OR/MIN/469590/2024
Date of application	18.04.2024
File no.	469590/52-MINB2/04-2024
Project Type	Proposal for Fresh EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for EC of Bergaon Decorative Stone Mine over an area of 5.40 Acre or 2.185 Hectares in village Bergaon under Baipariguda Tahasil of Koraput District of Odisha
Name of the company/Organization	Sri Gyana Das
Location of Project	village Bergaon under Baipariguda Tahasil of Koraput District of Odisha

Project details: The highlights of the project, as ascertained from the application and as revealed from the proceedings/discussions held during the meetings of SEAC/SEIAA, are given as under:

- (i) This is a proposal for mining of decorative stone from Bergaon Decorative Stone Mine over an area of 5.40 Acre or 2.185 Hectares in village Bergaon under Baipariguda Tahasil of Koraput District of Odisha.
- (ii) The Pp has already obtained EC from DEIAA, Koraput vide letter no. 6023 dt. 25.11.2016 up to the lease period (30 years) i.e. upto 18.04.2032. As per MoEF & CC O.M. Dt. 15.03.2024 the PP has applied fresh EC application for re-appraisal.
- (iii) CTO obtained from SPCB vide letter no. 787 dt. 27.03.2024 valid upto 27.10.2024.
- (iv) The mining area is a part of Survey of India Toposheet No. ---- and is bounded between the Latitude- 18°45'57.40"N to 18°46'03.6"N and Longitude – 82°22'01.20"E to 82°22'13.00"E. bearing Khata no. 290, Plot no. 1930, 1931, 1933 & 1935/P, Kissam-Pahada.
- (v) The mining lease is an identified sairat source in the DSR. The Tharkaspur Sand Bed sairat source will be leased out under the OMMC Rules, 2016 by Mining Officer, Jharsuguda to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- (vi) Documents submitted: -Form-1, EMP, PFR, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Mining Officer, Jharsuguda, topo map etc.
- (vii) Whether submitted KML file of the lease area-Yes
- (viii) Whether submitted scrutiny fee-No, N/A as it is a running source.
- (ix) Distance from nearest sanctuary/ESZ- Karalapat WLS-113.0 Km
- (x) Whether the lease area coming in DLC report-No, as certified by Mining Officer, Koraput vide letter no. No; dt. 06.03.2024
- (xi) Whether the lease area reflecting in DSR-Yes
- (xii) Method of mining-semi-mechanized without blasting
- (xiii) Distance from nearest road bridge-1.65 km, village road-0.36km
- (xiv) Whether it is part of cluster – No.
- (xv) Whether EC obtained earlier-Yes, from DEIAA, Koraput vide letter no. 6023 dt. 25.11.2016 up to the lease period. The PP has submitted EC compliance.
- (xvi) Date of approval of Modified mining plan- Joint Director of Mines, Directorate of Mines and Geology, Steel & Mines Dept, Govt. of Odisha vide letter no. 1024 dt. 05.02.2024.
- (xvii) Production capacity per annum-2700 cum/annum (max.), total production in 5 years period-10800 cum
- (xviii) The DSR has not been prepared as per the MoEF& CC, Govt. of India Notification S.O. 3611(E)

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dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020 and as per the Hon'ble Supreme Court order vide its order dated 10.11.2021 in Civil Appeal Nos. 3661-3662 of 2020 (State of Bihar Vrs. Pawan Kumar and Others).

- (xix) Budget provision for EMP of Rs. 1.5 lakh (Capital cost) and Rs. 0.20 lakh/annum (Recurring Cost)
- (xx) The Modified mining plan approved by Joint Director of Mines, Directorate of Mines and Geology, Steel & Mines Dept, Govt. of Odisha vide letter no. 1024 dt. 05.02.2024
- (xxi) EMP provision of Rs. 6.60 Lakh (Capital cost) and Rs. 5.70 Lakh/annum (Recurring Cost)
- (xxii) Any deficiencies/omission have been noticed in the above documents- Nil

Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 29th April, 01st, 02nd, 03rd and 04th May 2024 and the SEAC recommended to grant EC to the proposal upto the lease period with following additional conditions.

- i) Consent / NoC shall be obtained from the concerned authority if village road is to be used for transportation. The said road shall also be maintained by the lessee.
- ii) In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured
- iii) Plantation programme to be completed within first two years and to be maintained in remaining years.
- iv) Depth of Mining as proposed should not be beyond 6m from the ground level.
- v) The project proponent need to maintain periodic health check-up records of their employees and ensure use of face mask by workers in crushing and handling sections of the stone quarry for ensuring that working personnel are not affected by silicosis.
- vi) The boundary area of the deposit as per the revised / updated DSR to be defined by geo coordinates based on DGPS survey superimposed on the cadastral map.
- vii) Construction of garland drains retaining wall and settling tank should be ensured to prevent erosion during rainfall and to collect silt generated during the mining activity.

Decision of Authority:

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PARIVESH 2.0, AGENDA No.168.32	
Proposal No.	SIA/OR/MIN/467755/2024
Date of application	29.03.2024
File no.	467755/140-MIN/03-2024
Project Type	Proposal for Amendment of EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Amendment of EC of Mahanadi River Sand Sairat over an area of 12.00 acres or 4.856 hectares in village Balarampur under Athagarh Tahasil in Cuttack District, Odisha.
Name of the company/Organization	Sri Ashish Jaiswal
Location of Project	village Balarampur under Athagarh Tahasil in Cuttack District, Odisha
<p>1. <u>Proposal in brief:</u> 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.</p> <p>(i) This is a proposal for amendment of EC of Mahanadi River Sand Sairat over an area of 12.00 acres or 4.856 hectares in village Balarampur under Athagarh Tahasil in Cuttack District, Odisha.</p> <p>(ii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. /EC Identification No. – 1551/SEIAA dt. 30.06.2021 and EC transfer on 22.11.2022 for Mahanadi River Sand Sairat over an area of 12.00 acres or 4.856 hectares in village Balarampur under Athagarh Tahasil in Cuttack District, Odisha.</p> <p>(iii) During EC application the PP has submitted required documents along with mining plan where it is mentioned that mineable reserve of the proposed sand bed is 75448 cum with depth of sand deposition was 1.5 meter and proposed for annual extraction-15090 cum.</p> <p>(iv) The SEIAA allowed 3000 cum of sand for 1st year production with depth of mining 0.5 meter.</p> <p>(v) There is an EC conditions point no. 9.1 to 9.2 in page no. 03 that “Pending carrying out of the study & submission of the report, this clearance is being granted in an adhoc manner and is liable to be revoked after one year i.e., after 15th December 2022, if satisfactory replenishment study report is not submitted.”</p> <p>(vi) EC Amended by SEIAA, Odisha dt 26.06.2022 with allowing the production quantity of sand 15090 cum in 1st year</p> <p>(vii) The PP has not mentioned the production details.</p> <p>(viii) The PP has submitted replenishment study report was done by the My World Consultancy Services Pvt Ltd. the ORSAC empanel agency with mentioned that Average RL post monsoon =22.500 m, Average RL pre monsoon = 21.480 m and quantity of sand replenished is 41465 cum and proposed production 41465 cum.</p> <p>(ix) The Lessee has already submitted Rs 2,25,00/- vide money receipt no-0069209 on dt 28/03/2024 to Tahasildar, Athagarh.</p> <p>(x) Any deficiencies/omission have been noticed in the above documents- Nil</p>	
<p>2. <u>Whether SEAC recommended the proposal</u> – The proposal was placed in the SEAC meeting held on 03.05.2024 and the SEAC decided to recommend the proposal as per the replenishment study and volume replenished i.e. 41462cum/annum subjected modification of Mining Plan.</p>	
<u>Decision of Authority:</u>	

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PARIVESH 2.0, AGENDA No.168.33	
Proposal No.	SIA/OR/IND1/456864/2023
Date of application	28/12/2023
File no.	456864/01-IND1/12-2023
Project Type	Proposal for Amendment of EC
Category	B1
Project/Activity including Schedule No.	2(b) Mineral beneficiation
Name of the Project	Proposal for amendment of EC for Expansion of Iron Ore Beneficiation Plant from 10.7 MTPA (Throughput) Capacity to 16.0 MTPA (Throughput), Relocation of Tailing Dam at Village - Sankari, Gram Panchayat - Phuljhar, Dist. - Keonjhar, Laying of Tailing Pipeline and Return Water Pipeline from Beneficiation Plant to Tailing Dam and Laying of Water Pipeline and Slurry Pipeline from Beneficiation Plant to Ghoraburhani - Sagasahi Iron Ore Block.
Name of the company/Organization	M/s Arcelormittal Nippon Steel India Limited
Location of Project	Village - Sankari, Gram Panchayat - Phuljhar, Dist. - Keonjhar

1. Proposal in brief:

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

1. This proposal is for amendment of Environmental Clearance for Expansion of Iron Ore Beneficiation Plant from 10.7 MTPA (Throughput) Capacity to 16.0 MTPA (Throughput), Relocation of Tailing Dam at Village - Sankari, Gram Panchayat - Phuljhar, Dist. - Keonjhar, Laying of Tailing Pipeline and Return Water Pipeline from Beneficiation Plant to Tailing Dam and Laying of Water Pipeline and Slurry Pipeline from Beneficiation Plant to Ghoraburhani - Sagasahi Iron Ore Block of M/s. Arcelor Mittal Nippon Steel India Ltd.
2. **Category:** The proposed project activity is listed at S. No. 2 (b) - Mineral Beneficiation under Category "B1" of the schedule as per the EIA Notification, 2006.
3. **Location and Connectivity:** The proposed project is located at Plot no- 67 at Village- Dabuna, Tahasil- Barbil, District - Kendujhar. The Project Site is a part of the Survey of India Toposheet No. F45N5. The geo-coordinates of the project site is - Latitude: 21^o 51'8.46" N to 21^o 50'53.169" N & Longitude: 85^o 24'21.442" E to 85^o 25'5.728" E. The kissam of land is Industrial. Nearest Habitation is Dabuna. Nearest Highway is NH 215, 15 km E from the Beneficiation Plant & 12 km E from Tailing Pond. Nearest Airport is Biju Patnaik International Airport - 182 km. Nearest water body is Baitarani River, 9 km away from the Beneficiation Plant. Nearest Reserve Forest is Nayagarh Forest, 9.61 km SE of Plant.

Sl. No.	Statutory Clearances obtained	Date

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1	Environmental Clearance (EC) (J-11015/876/2007-IA.II (M)) granted by MoEF&CC, New Delhi, for the Iron ore Beneficiation plant of 10.7 MTPA (throughout) capacity.	04 th May 2009
2	Amendment of EC approved for “ Road Transport ” (by MoEF&CC, New Delhi)	22 nd May 2013
3	TOR obtained for the expansion of Beneficiation Plant from 10.7 MTPA (throughput) to 16 MTPA (throughput) from MoEF&CC, New Delhi.	20 th July 2017
4	CTE obtained from SPCB, Odisha	17 th July 2019
5	Amendment of ToR was approved for “ Relocation of Tailing Dam ” (by MoEF&CC, New Delhi)	23 rd Jan 2020
6	ToR Validity Extension (COVID Relaxation), up to 19 th July 2022 by MoEF&CC, New Delhi	20 th Oct 2020
7	Public Hearing was held	12 th Apr 2021
8	Form 2 submitted, for grant of Environmental Clearance to SEIAA, Odisha (as per MoEF&CC Notification S.O. 1886 (E), dtd. 20 th Apr 2022)	13 th July 2021
9	EC for the Dabuna Expansion Project obtained on from SEIAA: (EC Identification No:EC23B007OR110978 & File No.: 78693/31-IND/07-2022)	14th Mar 2023
10	EC Amendment Application submitted	28th Dec 2023

4. Land Details of the Project:

Sl. No.	Land Description	Beneficiation plant	Truck Unloading Station	Tailing Dam	Tailing and Return Water pipelines from Beneficiation plant to tailing Dam	Water and Slurry pipelines from Beneficiation plant to Ghoraburhan i Sagasahi iron ore block
1	Govt. Land (Non – Forest) in ha.	Nil	Nil	127.56	2.929	7.420
2	Private Land in ha.	34.40	1.92	2.67	6.362	Nil
3	Forest Land in ha.	Nil	Nil	Nil	12.728	16.466
Total Land in ha.		34.40	1.92	130.23	22.019	23.886

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5. The land for tailing dam has been acquired by AM/NS India. The construction of Tailing Dam is under progress.
6. Stage – I **Forest Diversion Clearance** for “**pipelines**” has been obtained for the entire 29.194 ha Forest Land vide Letter No. 5-ORC481/2021-BHU, dated 28th Dec 2021 , and Letter No. 5-ORC496/2022-BHU, dated 25th Jan 2022.
7. **Reason for which Amendment of Environmental Clearance application had been submitted:**
 - i) AM/NS India obtained the Environment Clearance (EC) vide EC Identification No. EC23B007OR110978 and File No. 78693/31-IND/07-2022, issued by the State Environment Impact Assessment Authority (SEIAA), Odisha under MoEF&CC, New Delhi, on 14th Mar 2023.
 - ii) In the EC, SEIAA stipulated one specific condition in relation to transportation of iron ore from Sagasahi mines to Dabuna Beneficiation Plant, is given as under.
 - iii) Specific Condition (A), 1: The transportation of ore from Ghorabhurani – Sagasahi Iron Ore to Dabuna Beneficiation Plant by road is allowed only for 3 years i.e., up to 19.08.2023 vide MoEF&CC, GoI, EC Letter F. No. J-11015/192/2016IA. III(M), dated 20.08.2020. No more road transportation is allowed after 19.08.2023 without permission of the MoEF&CC.”
 - iv) As per the above condition, we are allowed to transfer the raw materials up to 19th Aug 2023, as SEIAA has considered the Ghorabhurani – Sagasahi Iron Ore Mines EC, NEERI’s Conditions regarding transportation of iron ore.
 - v) The EC condition of our Sagasahi Mines states that:
 - a) Specific Condition (A), 2: Till the construction of beneficiation plant in the mine lease area, the transportation of ore from mine to Dabuna Beneficiation plant by road is allowed only for three years. No more road transportation is allowed after 3 years without permission of the Ministry. From 4th year onwards, the ore should be transported only through proposed slurry pipeline or as per the guidelines of CSIR-NEERI’s recommendation. PP shall inform Ministry for any deviation in the proposed mode of transport of minerals in case the timeline is not complied with.
 - b) Although the EC of the Sagasahi Iron Ore Mines of AM/NS India Ltd. was obtained on 28th May 2020, but the mining operation had commenced on 09th Sep 2021 and the dispatches from Sagasahi Mines are commenced from 29th Nov 2021 (the starting date of mining operation as well as commencement has been communicated to DGMS and IBM during that time).
 - vi) If we consider the date of mining operation of Sagasahi Mines, after which it will be consider three years for road transportation. Then we should be allowed for road transportation till 08th Sep 2024.
 - vii) In compliance to the EC, Specific Condition A, (2), as per the guideline, half yearly compliance reports [(i) Oct’ 2022 to Mar’ 2023, and (ii) Apr’ 2023 to Sept’ 2023] has been submitted to SEIAA, Odisha as well as IRO, MoEF&CC, Bhubaneswar, Odisha (through mail) updating/mentioning the status.
8. **Current Status of project and reason for which delay has taken place as per submission of PP:**
 - a) The Beneficiation plant at Sagasahi Mines has been under construction since August 2022 and 70% construction has been completed as on date.
 - b) Simultaneously, the design and laying of slurry pipeline from Sagasahi Mines to Dabuna Beneficiation Plant has started. The reason behind the delay in completion of the project are various cross-country pipeline land issues & ROW issues found during the execution process.
 - c) In addition to this, experiencing law & order issues in the execution process while laying slurry pipeline in Keonjhar district of Odisha. The same has been brought to the notice of Government authorities at highest level.

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- d) In view of the above, delay in execution of laying of slurry pipeline from Sagasahi Mines to Dabuna, EC amendment application has been submitted for the extension of the road transportation period from Sagasahi Mines.
9. The Project Proponent has requested **for allowing of transportation of ore via road to the Dabuna Beneficiation plant till 30th Sep 2025** in compliance to the **Specific Condition No. A (1)**, stipulated in the EC of Dabuna Expansion Project. **No more road transportation is allowed after 30.09.2025** without permission of the MoEF&CC.
10. **Environment Consultant:** The proponent made a presentation on the proposal before the Committee.
11. The SEAC in its meeting held on dated **03-02-2024** SEAC 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.	The compliance status to Previous EC conditions.	<p>The compliance to the Environment Clearance (EC) granted to M/s Arcelor Mittal Nippon Steel India Limited (AM/NS India), vide EC Identification No. EC23B007OR110978, File No. 78693/31-IND /07-2022, issued by SEIAA on 14.03.2023 is submitted herewith as Annexure -1.</p> <p>We are regularly submitting the half yearly compliance report to SEIAA, OSPCB, & IRO, MoEF&CC, Bhubaneswar, Odisha, and the last compliance was submitted on 29.11.2023 vide Letter No. AMNS/DBN/HSE/23-24/10 (the mail copy attached herewith as Annexure - 2).</p>		
2.	A comprehensive note on the current status of the project incorporating progress of work, water balance, transportation of slurry, water recovery, forest clearance, estimated investment and remaining balance work.	<p>This proposal is the amendment of the specific condition stipulated in the EC of Dabuna Expansion Project, issued by SEIAA on 14.03.2023. The compliance of the specific condition is interlinked with various activities as mentioned below.</p> <ul style="list-style-type: none"> a) Construction of Beneficiation Plant at Sagasahi Mines. b) Laying of Slurry pipeline from Beneficiation Plant at Sagasahi Mines to Dabuna Beneficiation Plant. c) Laying of Tailing pipeline from Dabuna Beneficiation Plant to Tailing Dam at Sankari. d) (Construction of Tailing Dam at Sankari. <p>The status/progress of individual projects is given below.</p> <p>a) Construction of Beneficiation Plant at Sagasahi Mines: Project Brief Detail: The project is a standalone plant of 6 MTPA concentrate beneficiation unit at Mines head based on wet grinding system for the grinding circuit. The proposed site is located within the Sagasahi Mines lease area.</p> <p>Physical Progress of the Project as on date:</p> <table border="1" data-bbox="524 1770 1341 1904"> <tr> <td data-bbox="524 1770 716 1904">Engineering</td> <td data-bbox="716 1770 1341 1904"> <ul style="list-style-type: none"> ○ Engineering for Beneficiation Plant facilities: 99 % completed. ○ Balance of plant Basic Engineering: 100% completed. </td> </tr> </table>	Engineering	<ul style="list-style-type: none"> ○ Engineering for Beneficiation Plant facilities: 99 % completed. ○ Balance of plant Basic Engineering: 100% completed.
Engineering	<ul style="list-style-type: none"> ○ Engineering for Beneficiation Plant facilities: 99 % completed. ○ Balance of plant Basic Engineering: 100% completed. 			

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	<ul style="list-style-type: none"> ○ Detail Engineering: 98% completed.
Procurement	<ul style="list-style-type: none"> ○ Material delivery for long lead items like Ball Mills, Scrubbers, Screen, Thickeners, Agitators, Concentrate storage Tanks, Slurry Pumps etc. has already been completed and remaining are under manufacturing. ○ The Work Order for Mainline Centrifugal pumps has been placed. ○ All Service orders placed against construction activities and partner on boarded at site and construction work is in progress. ○ Supply of Building Structure and technology structure already completed.
Construction	<ul style="list-style-type: none"> ○ Earthwork cutting and filling work completed. ○ 78% of civil works of plant facilities has been completed. Building structure, Equipments & Technological structure erection is in progress. ○ Soil stabilization work is in progress.

Forest Clearance Status: No additional land including Forest land required for this Beneficiation Plant. The project is proposed within the Sagasahi Mines Lease Area as per the EC granted for Sagasahi Mines.

Estimated Investment & Remaining balance work:

Sl. No.	Name of the Project	Project Cost (in Cr.)	Invested as on Date (in Cr.)	To be Invested (in Cr.)	Project Completion Date
1.	Beneficiation Plant, at Sagasahi Mines Lease Area	918.0	306.0	612.0	31 st July'2019

Project Site Photographs:



Tailing Thickener



Slurry Tank



Feed Bin Building



MRSS Building



Process Building



Pump House ECR

b) Laying of Slurry pipeline from Beneficiation Plant at Sagasahi Mines to Dabuna Beneficiation Plant.

Project Brief Detail: The slurry pipeline is proposed to transport the slurry from Sagasahi Beneficiation Plant to Dabuna Beneficiation Plant. The total length of the slurry pipeline is 27.88 km with 20'' diameter.

Physical Progress of the Project as on date:

Engineering	<ul style="list-style-type: none"> ○ Engineering for Pipe Laying Work: 100% completed. ○ Balance of plant Basic Engineering: 100% completed. ○ Detail Engineering: 79% completed.
Procurement	<ul style="list-style-type: none"> ○ The mainline pipe for slurry and return water line already reached at site. ○ Supply order for Severe Service Ball Valves order placed and manufacturing work in progress. ○ Mainline Centrifugal pumps order placed. ○ All Service order placed against construction activities.
Construction	<ul style="list-style-type: none"> ○ Preliminary work Route survey & Soil investigation Work completed. ○ Slurry Pipeline (20'') - Stringing: 22.8 / 27.88 kms and Lowering: 6.77 /27.88 kms completed.

Forest Clearance Status:

The Forest Diversion Clearance (Stage – I/ In-Principal approval)) has

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been obtained for Slurry pipeline from Sagasahi Beneficiation Plant to Dabuna Beneficiation Plant for 16.463 ha (12.649 ha in Keonjhar Division & 3.814 ha in Bonai Division), vide Letter No. 5-ORC496/2022-BHU, and attached as **Annexure - 3**. As on date, CA land has been transferred in favour of Forest, Environment, & Climate Change Department, Govt. of Odisha for raising of Compensatory Afforestation and the notification published by Revenue Department vide Letter No. FE-DIV-FLD-0170-2021 – {10F- (Cons)-106/2021} -24350/FE&CC, ON 22.11.2023 (notification attached as **Annexure - 4**). The re-tree enumeration work is in progress, accordingly Stage – II compliance will be submitted to PCCF, Nodal followed by DFO and RCCF. Working permission is yet to be received from DFO to initiate the pipeline work. Where the ROW is concerned, the agreement with Govt. for Sundargarh dist. has been completed, but the agreement for Keonjhar dist. is under progress.

Estimated Investment & Remaining balance work:

Sl. No.	Name of the Project	Project Cost (in Cr.)	Invested as on Date (in Cr.)	To be Invested (in Cr.)	Project Completion Date
1.	Slurry Pipeline from Sagasahi Mines to Dabuna Beneficiation Plant	272.0	190.0	82.0	30th Sept' 2025

Project Site Photographs:

Lying of Slurry Pipeline (Lowering):



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Lying of Slurry Pipeline (Stringing)



PROJECT COMPLETION TIMELINE: Construction of Beneficiation Plant at Sagasahi Mines and Laying of Slurry pipeline



c) Laying of Tailing pipeline from Dabuna Beneficiation Plant to Tailing Dam at Sankari.

Project Brief Detail: The tailings generated from Dabuna Beneficiation plant will be pumped & transported to the Tailing Dam in the form of

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slurry. The water will be reclaimed from the tailing pond and will be pumped back to the Beneficiation Plant at Dabuna.

Underground tailing pipeline along with return water pipeline of about 20 km long is scheduled to transport tailing and water as well. A pumping station is envisaged at Dabuna end. The tailings and water pipelines both are designed for 20 years of life.

Parameters	Description
Tailing pipeline from Dabuna to Sankari (20 km)	16" (outer diameter) x 0.406" (wall thickness). API 5L Gr. X60 PSL2; 3LPE coated LSAW pipe
Return water pipeline from Sankari to Dabuna (20 km)	22" (outer diameter) x 0.375" (wall thickness) API 5L Gr. B PSL2; 3LPE coated LSAW pipe
Line velocity	Tailing – 2.47 ms-1 Return water – 1.48 ms-1
Pump type	Tailing – Horizontal positive displacement pump Return water – gravity flow
Solid concentration of slurry, wt%	~35%

Physical Progress of the Project as on date:

Major Engineering, Supply & Service order placed, Construction work in progress.

Engineering	<ul style="list-style-type: none"> ○ Engineering for Pipe Laying Work: 100% completed. ○ Balance of plant Basic Engineering: 100% completed. ○ Detail Engineering: 89% completed.
Procurement	<ul style="list-style-type: none"> ○ Supply order for long lead Items: Positive Displacement pumps(2nos) & Severe Service Ball Valves(4nos) order placed and manufacturing work in progress and Automation System ordering in progress. ○ Mainline Centrifugal pumps order placed. ○ Major Service order placed against construction activities. ○ Supply of Tailing Pipeline (16'') -20kms and Return Water line (22'') - 20kms pipes received
Construction	<ul style="list-style-type: none"> ○ Preliminary work Route survey & Soil investigation Work completed.

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- Tailing Pipeline (16'') - Stringing: 7.98/20kms and Lowering: 4.98/20kms completed.
- Return Water line (22'')- Stringing: 8.07/20kms and Lowering: 4.93/20kms completed.

Forest Clearance Status:

- The Forest Diversion Clearance (**Stage – I/ In-Principal approval**) has been obtained for Tailing pipeline from Dabuna Beneficiation Plant to Tailing Dam at Sankari for 12.728 ha of forest land, vide Letter No. 5-ORC481/2021-BHU, dated 25th Dec' 2021 and attached as **Annexure - 5**.
- Site-Specific Conservation Plan & Wildlife Management Plan has been approved by the Chief Wildlife Warden. The total allocation of funds during the plan period is Rs.251.52 lakhs. Payment against Demand for Site-Specific Wildlife Conservation Plan has been made to ORISSA CAMPA account against RTGS UTR No: SBINR52023011927215182 on 19.01.2023.
- Stage- 2 Compliance submitted to PCCF, Nodal – Approval is under progress (Letter from RCCF, Rourkela to PCCF, Nodal is attached as **Annexure - 6**).

Estimated Investment & Remaining balance work:

Sl. No.	Name of the Project	Project Cost (in Cr.)	Invested as on Date (in Cr.)	To be Invested (in Cr.)	Project Completion Date
1.	Tailing Pipeline from Dabuna Beneficiation Plant to Tailing Dam at Sankari	201.55	175.29	26.00	30th Sept' 2025

Project Site Photographs:





Lying of Tailing Pipeline

d) Construction of Tailing Storage Facility (TSF) at Sankari.

Project Brief Detail: A Tailing storage facility (TSF) at Sankari village of Odisha has been designed as a cross-valley zoned earth and rock fill embankment occupying 321 acres of area to accommodate iron ore rejection in the form of thickened slurry through paste thickener. A return water pipeline is also envisaged parallel to tailing pipeline from Dabuna Beneficiation plant to TSF at 20 km to transport tailing and bring back excess water to plant. The salient features of the TSF are as follows.

Parameters	Description
Design & safety standard	Global Industrial Standard for Tailing Management (GISTM) & Arcelor Mittal Tailing management standard
Principal designer	ATC Williams, Australia
Embankment construction method	Downstream raising
Total allotted area	321.8 Ac.
Proposed maximum height	~45 m
Storage capacity	9 million m ³
Adoption of best available dewatering technology	Discharging paste with 65% solids in lieu of conventional unthicken tailings with 35% solids.
Water management	Water separated from tailings will be sent back to Dabuna beneficiation plant by gravity flow through return water pipeline
Tailing transport	Slurry Pipeline
Embankment width	275 m
Embankment length	730 m

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			Crest road width	10 m
			Perimeter embankment slope ratio	Downstream 2.75H:1V Upstream 2.25H:1V
			Upstream surface protection	Application of BGM liner to protect embankment surface from weathering effect and water ingress.
			Safety measures	Geotechnical dam safety instruments (vibrating wire piezometer, extensometer, inclinometer, etc.) will be installed for proper monitoring during operation & construction stage to ensure safety of tailing dam. The data from geotechnical instruments will be analyzed over time, providing quality insight into the behavior of the structure and the ground below it.
			Management & governance	An Engineer of Record (EOR) will be appointed & empowered to establish best tailing management practice & safety governance as per GISTM

Physical Progress of the Project as on date:

Major Engineering, Supply & Service order placed, Construction work in progress.

Engineering	<ul style="list-style-type: none"> ○ Engineering for TSF Facilities: 100% completed. ○ Balance of plant Basic Engineering: 100% completed. ○ Detail Engineering: 80% completed.
Procurement	<ul style="list-style-type: none"> ○ Supply order for long lead Items: Paste thickener & Aux system order placed and manufacturing work in progress. ○ Decant pumps ordering placement in final stage. ○ Service order for Embankment construction work placed. ○ Paste Thickener Tanks Structural material received at site. ○ 33 KV Transmission line material received at

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	site.
Construction	<ul style="list-style-type: none"> ○ Route Survey, Soil Investigation & Area Demarcation completed. ○ Excavation Work started for Embankment base foundation. ○ 33 KV transmission line laying work in progress.

Forest Clearance Status: No forest land involved in Tailing Dam Project area.

Estimated Investment & Remaining balance work:

Sl. No.	Name of the Project	Project Cost (in Cr.)	Invested as on Date (in Cr.)	To be Invested (in Cr.)	Project Completion Date
1.	Tailing Pipeline from Dabuna Beneficiation Plant to Tailing Dam Site	494.58	379.80	114.78	30th Sept' 2025

Project Site Photographs:

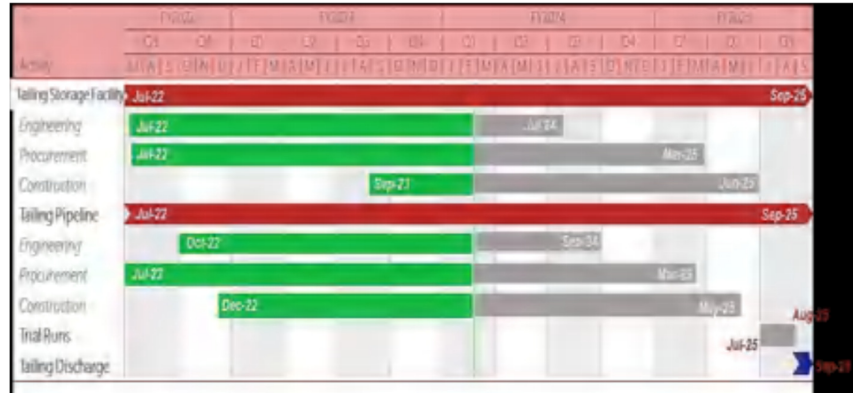


Construction of Tailing Storage Facility (TSF) at Sankari

PROJECT COMPLETION TIMELINE: Laying of Tailing pipeline

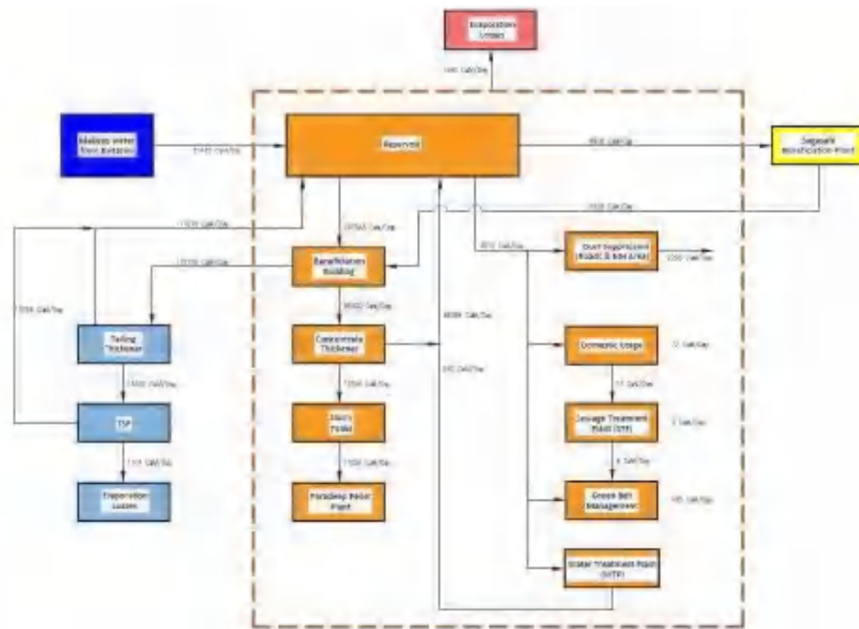
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from Dabuna Beneficiation Plant to Tailing Dam at Sankari and Construction of Tailing Storage Facility (TSF) at Sankari.



Water Balance:

In the Beneficiation Plant, the water will be used for process operation, dust suppression system, slurry, and tailings transportation, flushing, firewater and drinking purpose. Drinking water requirements will be met from the raw water after necessary treatment within the plant facility. The total water requirement of 11.77 cusecs (about 1200 m³/h) for the Dabuna Beneficiation Plant and is sourced from Baitarani River through a 9 km long water pipeline. The water agreement is attached as **Annexure - 7**.



3. A brief note as to why it will not be considered as

This proposal is for amendment of EC condition for extension of permission for road transportation of iron ore pertaining to the specific condition of Environment Clearance granted for Expansion of Iron Ore Beneficiation Plant from 10.7 MTPA (Throughput) Capacity to 16.0

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	<p>violation to specific Environmental Clearance condition – 3, as the time period has already expired on August, 2023 as per the EC.</p>	<p>MTPA (Throughput) by M/s Arcelor Mittal Nippon Steel India Limited (AM/NS India).</p> <ul style="list-style-type: none"> •The EC was issued by SEIAA on 14.03.2023 vide EC Identification No. EC23B007OR110978, File No. 78693/31-IND /07-2022 (the EC copy attached as Annexure - 8). In the said EC, SEIAA stipulated a specific condition in relation to transportation of iron ore from Sagasahi mines to Dabuna Beneficiation Plant, is given as under. <i>“The transportation of ore from Ghorabhurani – Sagasahi Iron Ore to Dabuna Beneficiation Plant by road is allowed only for 3 years i.e., up to 19.08.2023 vide MoEF&CC, GoI, EC Letter F. No. J-11015/192/2016IA. III(M), dated 20.08.2020. No more road transportation is allowed after 19.08.2023 without permission of the MoEF&CC.”</i> •Another Environment Clearance (EC) granted for Ghorabhurani - Sagasahi Iron Ore with proposed production of 7,162,538 TPA iron ore (ROM), 18750 TPA Topsoil and 2,868,896 TPA 08/SB/IB (Total excavation: 1,00,50,184 TPA) along with Crushing & Screening Plant and Beneficiation Plant with capacity of 6.7 Million TPA (1250 TPH) Capacity, vide File No. J-11015/192/2016-IA. II (M), from Ministry of Environment, Forest & Climate Change (MoEF&CC), New Delhi issued on 28.05.2020 (EC copy of Sagasahi Mines attached as Annexure - 9). In the EC of Sagasahi Mines, EAC stipulated a specific condition in relation to transportation of iron ore from Sagasahi mines to Dabuna Beneficiation Plant, is given below. <i>“Till the construction of beneficiation plant in the mine lease area, the transportation of ore from mine to Dabuna Beneficiation plant by road is allowed only for 3 years. No more road transportation is allowed after 3 years without permission of the Ministry. From the 4th year onwards, the ore should be transported only through the proposed slurry pipeline or as per the guidelines of CSIR-NEERI's recommendation. PP shall inform Ministry for any deviation in the proposed mode of transport of minerals in case the timeline is not complied with.”</i> <p>During the appraisal of EC proposal of Dabuna Beneficiation Plant, SEIAA has considered the above condition in line with CSIR-NEERI guidelines, and interlinked the condition with Dabuna EC, and allowed the road transportation of iron ore from Ghorabhurani – Sagasahi Mines to Dabuna Beneficiation Plant only for 3 years i.e., up to 19.08.2023.</p> <p>Here, we would like to inform you that, although the EC of the Sagasahi Iron Ore Mines of AM/NS India Ltd. was obtained on 28th May’ 2020, but the mining operation had commenced on 9th September’ 2021 and the captive dispatches are commenced from 29th Page 12 of 13 November’ 2021 (copy of the actual starting date of mining operation notice submitted to DGMS and IBM are attached as Annexure - 10). The same was also communicated to the SEIAA committee during appraisal process. So, if we consider the date of</p>	
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		<p>mining operation of Sagasahi Mines and in line with the specific condition of CSIR-NEERI guidelines for road transportation up to three years. Then we should be allowed road transport till 8th Sept' 2024.</p> <ul style="list-style-type: none">• In compliance to the EC, Specific Condition A, (2), and as per the guideline, half yearly compliance report has been submitted regularly to SEIAA, OSPCB, and IRO, MoEFCC, Bhubaneswar, Odisha (through mail) under Annexure – 11 & 2 mentioning the existing status given as captioned above.• The Beneficiation plant at Sagasahi Mines has been under construction since Aug' 2022 and as per the work progress at site, the same will be completed by July' 2025. Simultaneously, the design and ROW for slurry pipeline from Sagasahi Mines to Beneficiation Plant, Dabuna has also started. The reason behind the delay in completion of the project is due to the cross-country issues, various ROW issues found during the execution process.• In addition to this, experiencing law & order issues in the execution process while laying slurry pipeline in Keonjhar district of Odisha. The same has been brought to the notice of concerned government authorities at the highest level.• In view of the above delay in execution of laying of slurry pipeline from Sagasahi Mines to Dabuna plant, we have submitted a separate EC amendment application vide Online Proposal No. SIA/OR/MIN/463852/2024, dtd. 23.02.2024 on Parivesh Portal for Sagasahi Mines to extend the road transportation period from Sagasahi Mines. The EC amendment application copy, Form - 4 is attached herewith as Annexure – 12. <p>Hence, due to the above mentioned technical and sociopolitical issues, it was not feasible to complete all the projects by 19.08.2023 and starts the transportation of slurry through pipeline instead of road transportation as per the condition given in Dabuna Expansion EC. The technical reason with justification has been stated above and subsequently, we have intimated the status through half yearly compliance report to SEIAA - Odisha, OSPCB, and IRO, MoEFCC, Bhubaneswar, Odisha.</p> <p>In view of the above delay in getting Stage – II Forest Clearances, and other local sociopolitical issues, we are expecting to execute the laying of slurry pipeline from Sagasahi Mines to Dabuna Beneficiation Plant by 30.09.2025, and for the same, we have submitted a separate EC amendment application for the extension of the said Sagasahi Mines transportation period in line with CSIR-NEERI guidelines.</p> <p>Also, as per the MoEFCC, New Delhi OM dated 11.04.2022 (copy attached as Annexure - 13), regarding EC granted to projects involving Forest Land says ... <i>In this context, it has been decided that the time taken for obtaining Stage-II FC, after the grant of EC may not be considered as part of the EC validity up to a maximum period of two years, so as not to compromise with the environmental safeguards.</i></p>	
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		<p>Here, we want to bring to your notice that the EC was issued by SEIAA on 14.03.2023 for the expansion of Beneficiation Plant from 10.7 MTPA (Throughput) Capacity to 16.0 MTPA (Throughput), is still under construction and implementation stage. The additional transportation of raw materials will be required once the project is ready for commissioning along with the slurry pipeline from Sagasahi Mines to Dabuna Beneficiation Plant.</p> <p>In view of the above, we are hereby requesting your good office for amendment of Specific Condition No. A (1) i.e., transportation of iron ore via road to the Dabuna Beneficiation plant is allowed till 30.09.2025 instead of 19.08.2023, based on the existing progress of the project and other statutory as well as socio-political issues which has been discussed above.</p>
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Considering the information furnished and the presentation made by the consultant, **M/s. Visiontek Consultancy Services Pvt. Ltd, Bhubaneswar** along with the project proponent,

2. **Whether SEAC recommended the proposal** – The proposal was placed in the SEAC meeting held on 03.05.2024 and the SEAC recommended following:
- i) Specific Condition (A), 1 of Environmental Clearance issued by MoEF&CC, GoI, vide Letter F. No. J-11015/192/2016IA. III(M), dated 20.08.2020 may be replaced as follows:
 - ii) Till the construction of beneficiation plant in the mine lease area, the transportation of ore from mine to Dabuna Beneficiation plant by road may be permitted till 30.09.2025.
 - iii) No more road transportation is allowed after the mentioned date without permission of the SEIAA, Odisha.
 - iv) From 4th year onwards, it will be from 01.10.2025 onwards the ore should be transported only through proposed slurry pipeline or as per the guidelines of CSIR-NEERI's recommendation.
 - v) The PP shall inform the SEIAA, Odisha for any deviation in the proposed mode of transport of minerals in case the timeline is not complied with

Decision of Authority:

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PARIVESH 2.0, AGENDA No.168.34	
Proposal No.	SIA/OR/IND1/455252/2023
Date of application	14/12/2023
File no.	455252/05-IND1/12-2023
Project Type	Proposal for ToR
Category	B2
Project/Activity including Schedule No.	2(b) Mineral beneficiation
Name of the Project	Proposal for ToR of Chrome ore Beneficiation plant over an area of 2.66Acres or 1.0765 Ha. with throughput capacity of 19,000 TPA within the existing unit of M/s Regen Materials Pvt. Ltd. At Kurunti under Odapada Tahasil of Dhenkanal District, Odisha
Name of the company/Organization	Sri Rabindra Kumar Nayak
Location of Project	Kurunti under Odapada Tahasil of Dhenkanal District, Odisha
ToR date	Yet to issued
Name of consultant	M/s Kalyani Laboratories Pvt Ltd, Bhubaneswar

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 proposal was considered by the committee to determine the “Terms of Reference (ToR)” for undertaking detailed EIA study for the purpose of obtaining environmental clearance in accordance with the provisions of the EIA Notification, 2006 and amendment thereafter.
2. This proposal is for Terms of Reference (ToR) for obtaining Environmental Clearance of M/s Regen Materials Pvt. Ltd for Chrome ore Beneficiation plant over an area of 2.66Acres or 1.0765 Ha. with throughput capacity of 19,000 TPA within the existing unit At Kurunti under Odapada Tahasil of Dhenkanal District of Sri Rabindra Kumar Nayak.
3. **Category:** The proposed project is for beneficiation facility of Chrome ore with throughput of 19000 TPA capacity. The project comes under sector 2 (b) and Category B2 (<20000 TPA) as per EIA Notification 2006 and subsequent amendments.
4. The proposed project is for Chrome ore beneficiation unit with throughput of 190000 TPA capacity.
5. **Location and connectivity:** The unit bounded between Latitude 20°48'55.37"N to 20°48'59.59"N and Longitude 85°16'49.39"E to 85°16'54.31"E and falls under Toposheet number F45T/5. The project covers total land 2.66acres or 1.07655 Ha. & total 9 no. of plots bearing plot no. 3886/6792, 3885, 3892/4840,3930/4841, 3892 under the kissam of Sarada dui and plot no. -3890/4029, 3889, 3891and 3932 under Gharabarikissam of Mouza- Kurunti, PS-Motanga of Tahasil Odapada in the district Dhenkanal, Odisha. The project site is about 200m from NH-55 i.e.,Sambalpur –Cuttack Highway in the Northern direction. Nearest railway station is at Meramundali railway station located at a distance of 3 Km from the project site. There is no wild life sanctuary, corridor, National park, biosphere reserve located within 10Km buffer zone of the project site. Nearest Wildlife Sanctuary (Tikarapada Wildlife Sanctuary) is at 30Km.

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6. **Project details:** M/s Regen Material Private Limited is a private limited company established in 01.02.2022 with Sri Biswajit Das as Managing Director. The applicant of the project is Sri Rabindra Kumar Nayak, Power of Attorney holder of M/s Regen Materials Pvt. Ltd, attested by Director of the company Sri Biswajit Das. The company is involved in production of Chromium Oxide black since last 2 years.
7. **Briefing of EC if issued earlier:** The company is involved in production of Chromium Oxide black since last 2 years which is exempted from Environment clearance as per EIA Notification, 2006 and subsequent amendment. Now the proposed project application for establishment of Chrome ore Beneficiation plant over an area of 2.66 Acres with throughput capacity of 19,000 TPA within the existing Chrome monolithic unit and this application is for grant of environment clearance for the proposed beneficiation plant.
8. **Statutory Clearances obtained earlier:** The existing unit is operating with valid consent to establish vide the letter no 2930/MISC/ROSPCB/AGL/75/2019-20 dated 01.10.2022 and consent to operate (CTO) Vide letter no 399/MISC/ROSPCB/AGL/75/2019-20dated 06.02.2023 valid till 31.03.2027 from Odisha State Pollution Control Board. No forest land involved in the proposed project as it is private land over an area of 2.66Acres or 1.0765 Ha. At Kurunti under Odapada Tahasil of Dhenkanal District, Odisha.
9. **Existing production and proposed production with beneficiation plant for which Terms of Reference (ToR) has been applied for:** Details of M/s Regen Materials Pvt. Ltd. existing Chrome monolithic unit:

Existing production of the project:

- Chromium Oxide Black :30000MT/annum
- Nickel Oxide: 2000 MT/Annum
- Ferro Alloy Metals (Reclaimed from Ferro alloy slag): 720 MT/annum by Products
 - Aluminum oxide: 5500 MT/Annum
 - Iron oxide: 5500 MT/Annum
 - Salt (Nacl): 2500 MT/Annum

Proposed unit: Chrome ore Beneficiation: 19000TPA

The throughput capacity of the beneficiation unit will be 19000 TPA and beneficiated ore production will be 14250 TPA. The low-grade chrome ore will be procured from OMC, Sukinda through auction process.

Units	Products and By Products	Existing	Additional	After Expansion
TPA	Chrome Ore	--	19000	19000

10. **Tailing generation:** From the Chrome Ore beneficiation tailing of 4940 TPA (<10% Cr₂O₃) (25%) will be generated.
11. **Waste generation and management:** The major solid waste will be the tailings generated from beneficiation process. The quantity of tailings to be 4940 TPA having <10% Cr₂O₃. The tailings will be collected & treated with Ferro-Sulphate solution and dried through a filter press. An area has been demarcated for storage of tailing within the plant premises. The tailing will be stored in the tailing dump. After drying the tailing will be sold for brick manufacturing. Each batch of tailing before dispatch to brick manufactures will be analyzed for hexavalent chromium for its safe disposal and use. The capacity of the tailing disposal area will be 410 sq.m which can store dry tailing upto one year.
12. **Baseline Study Details:** The baseline data is being collected for the period of December 2023 to February 2024.

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- 13. Water Requirement and wastewater management:** Total water requirement for the proposed project will be 153 KLD and make up water requirement will be 13 KLD. Out of the makeup water requirement 1 KLD used for drinking purpose which will be sourced from nearby village through tankers and rest water requirement of 12 KLD will be sourced from Rain Water Harvesting Pond. The water utilized in the process will be recycled resulting in zero discharge of wastewater. The tailing pond of adequate capacity will be constructed with suitable impervious lining to prevent percolation into ground water.
- 14. Power Requirement and solar power details:** The power requirement is estimated as 100 KVA and will be procured from TPCODL, Odisha. Also proposed to install 125 kVA DG set.
- 15. Rain water Harvesting Details:** There will be construction of rain water recharge pit used for recharge of rain water in the premises.
- 16. Greenbelt Development:** Plantation will be carried out over an area of 0.1486 Ha of the area with 900 saplings.

PROPOSED GREEN BELT PLAN			
Location	Area Under Plantation (Sq.m)	No. of saplings Proposed	Species Proposed
Green Belt around the plant boundary. Near entrance gate	2550 (5m width)	650	Cassia siamea, Gmelia arborea, Tectona grandis, Alstonia scholaris, Azadirachta indica, Mangifera indica, Bamboo sps, Phyllanthus emblica, Punica granatum, Psidium guajva, Mimosa elengi, Hibiscus rosa sinensis, Nerium oliander, Saraca asoka
Plantation in open space	1072 Sq.m	250	Dalbergia sisoo, Cassia siamea, Gmelia arborea, Acacia sps, Tectona grandis, Alstonia scholaris
Total	3622	900	
The proposed Green belt will be developed within 1 years of the plant operation			

- 17. Total Employment:** Proposed employment generation from proposed project will be 12 direct employments which includes operator -2, supervisor-2, 4 no of semi-skilled labour and 4 no of unskilled labour.
- 18. Project Cost and EMP, CSR Cost:** Total project cost is approx. 5 Crore rupees. Cost of EMP will be 30.0 lakhs and CSR cost will be 10.0 Lakhs.

Sl. No	Particulars	Amount (Rs in Lakhs)
Capital Cost		
01	Pollution Control Measures	16.00
02	Acoustics	5.00
03	Env. monitoring and management	3.00
04	Green Belt Development	2.0
05	Occupational Health & Safety	2.0
Total		30.0

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Recurring Cost		
01	Environmental Monitoring	3.00
02	Occupational health & safety	1.00
03	Greenbelt Development and maintenance	1.0
Total		5.0

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

20. The SEAC in its meeting held on dated **09-02-2024** recommended the following:

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

- i) Process details in flow sheet of the existing plant along with mass balance.
- ii) Note on ETP details, disposal of ETP sludge and treatment process.
- iii) Copy of documentation in support of raw material sourcing for proposed expansion.
- iv) Particle size analysis.
- v) Note on calculation of Surface run off considering the highest rainfall and treatment system to be adopted.
- vi) Copy of Agreement (MOU) with raw material suppliers for the existing Monolithic plant.
- vii) Submit water balance, material balance, chromium content and hexavalent Chromium content in the whole process.
- viii) Layout of the whole plant demarcating the settling pond, jigging plant, spiral area, parking area, storage space and Surface Runoff treatment system.

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

- i) Environmental compliance of the existing project and adequacy of the land available for setting of the proposed project.
- ii) Construction activities if any carried out for the proposed project.
- iii) Drainage network at the site.
- iv) Discharge point for discharge of treated waste water and distance of the discharge point from the project site.
- v) Area available for tailings management.
- vi) Road connectivity to the project site.
- vii) Any other issues including local issues.

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

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of SEAC
iii.	Process details in flow sheet of the existing plant along with mass balance.	Detail process and flow sheet of the existing plant is attached as Annexure 1	complied
iv.	Note on ETP details, disposal of ETP sludge and treatment process.	A brief note on the ETP, disposal of sludge and treatment process is attached as Annexure 2	complied
v.	Copy of documentation in support of raw material sourcing for proposed expansion.	Copy of MoU for sourcing of raw material is attached Annexure 3	MoU with Sukinda Chrome Block, Kalarangiatta, Dist

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			– Jajpur for supply of raw material has been submitted.
vi.	Particle size analysis.	Particle size analysis report will be submitted with the Final EIA / EMP report at the time of EC application	To be submitted in Final EIA report.
vii.	Note on calculation of Surface runoff considering the highest rainfall and treatment system to be adopted.	A brief note on calculation of surface runoff considering highest rainfall and treatment system is attached as Annexure 4	Total Harvestable Rainwater calculated – 5990cum/Annum
iii.	Copy of Agreement (MOU) with raw material suppliers for the existing Monolithic plant.	Copy of MoU attached Annexure 3	-
ix.	Submit water balance, material balance, chromium content and hexavalent Chromium content in the whole process.	Detail water balance, material balance is attached as Annexure 5	-
x.	Layout of the whole plant demarcating the settling pond, jigging plant, spiral area, parking area, storage space and Surface Runoff treatment system.	Layout plan showing different facilities is attached as Annexure 6	-

22. The proposed site was visited by the sub-committee of SEAC on **29.03.2024**. Following are the observations of the sub-committee:

- a) The site is very near and connected to the high way. The PP and Consultant have explained the plant and equipment positioning in the layout.
- b) The site has sufficient empty area to build the plant and tailing ponds etc. for the beneficiation plant. PP explained that the unit will maintain ZLD.
- c) Although the shed is there it was almost empty and no plant or industrial activity being observed and no construction work has been initiated for beneficiation plant. PP explained that they intended initially to produce chrome black but to make it viable they realised to go for chrome beneficiation plant first.
- d) Since it is for TOR and capacity is only 19000 TPA, the sub committee recommends to grant TOR and the PP may be advised to furnish the following along with other information asked during presentation while applying for EC and incorporate the same in the EIA study:**
 - i) Plan for ZLD in details
 - ii) Drain network, tailing/settling pond details
 - iii) Management of Cr+6
 - iv) RWH plan and green belt details
 - v) All other points asked during presentation.

23. The MoEF&CC, Govt. of India O.M. No. J/13012/12/2013-IA-II(I), dated 24.12.2013 stipulates the Mineral Beneficiation activity listed in the schedule as Category-B will be treated as Category-B2 with throughput \leq 20,000 TPA, involving only physical beneficiation.

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24. The SEAC, Odisha observed that the proposed Chrome Ore Beneficiation plant is having throughput 19,000 TPA involving only physical beneficiation. However, the Committee opined that the Chrome Ore Beneficiation plant is having significant environmental impact to the surrounding areas in terms of water pollution and tailing disposal and there is a need for detailed EIA study.

25. The SEAC, Odisha recommended to consider the project as Category-B2 as per MoEF&CC, Govt. of India O.M. No. J/13012/12/2013-IA-II(I), dated 24.12.2013 for exemption of public hearing. However, the Committee recommended to consider Environmental Clearance for the proposal after the proponent submits detailed EIA study report.

Considering the information / documents furnished by the proponent and presentation made by the consultant **M/s Kalyani Laboratories Pvt Ltd, Bhubaneswar,**

Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 15.05.2024 and the SEAC recommended to issue Terms of References (ToRs) exempting public hearing for conducting EIA study as per **Annexure – A** with following specific TORs:

- i) Plan for ZLD in details.
- ii) Drain network, tailing/settling pond details
- iii) Management of Cr+6
- iv) RWH plan and green belt details
- v) Particle size analysis.
- vi) Process details in flow sheet of the existing plant along with mass balance.
- vii) Note on ETP details, disposal of ETP sludge and treatment process.
- viii) Copy of documentation in support of raw material sourcing for proposed expansion.
- ix) Note on calculation of Surface run off considering the highest rainfall and treatment system to be adopted.
- x) Copy of Agreement (MOU) with raw material suppliers for the existing Monolithic plant.
- xi) Submit water balance, material balance, chromium content and hexavalent Chromium content in the whole process.
- xii) Layout of the whole plant demarcating the settling pond, jigging plant, spiral area, parking area, storage space and Surface Runoff treatment system
- xiii) Detail plan of handling, storage and disposal of the proposed chrome ore beneficiation plant tailings (4940 ton / year containing <10% Cr₂O₃) as reported by the PP) to be submitted.
- xiv) Environmental compliance of the existing project is not submitted in the ADS. The submitted ADS, however gives a brief on the process details of the existing plant and the same inter alia involves leaching of finely ground chrome ore in mineral acids. The proposed chrome ore beneficiation plant is to be in the premises of an existing industrial unit owned and operated by the project proponent. Details of compliance with the CTE and CTO order of the existing operating unit having installed capacity of products (Chromium Oxide Black: 30000MT/annum, Nickel Oxide: 2000 MT/Annum, Ferro Alloy Metals (Reclaimed from Ferro alloy slag) : 720 MT/annum and by products (Aluminium oxide: 5500 MT/Annum, Iron oxide: 5500 MT/Annum, Salt (NaCl): 2500 MT/Annum) to be submitted.

Decision of Authority:

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PARIVESH 2.0, AGENDA No.168.35	
Proposal No.	455500/02-INFRA2/12-2023
Date of application	16/12/2023
File no.	455252/05-IND1/12-2023
Project Type	Fresh EC
Category	B
Project/Activity including Schedule No.	8(a) Building / Construction
Name of the Project	467755 Proposal for EC Environmental Clearance of revision & expansion of multi-storied residential project at Mouza - Raghunathpur Jali, Bhubaneswar, District - Khordha, Odisha for M/s Uditi Dwellings Private Limited.
Name of the company/Organization	M/s Uditi Dwellings Private Limited.
Location of Project	Mouza - Raghunathpur Jali, Bhubaneswar, District - Khordha, Odisha
ToR date	Yet to issued
Name of consultant	M/s Grass Roots Research And Creation India (P) Ltd., Noida

2. Proposal in brief:

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

3. This proposal is for Environmental Clearance of revision & expansion of multi-storied residential project at Mouza - Raghunathpur Jali, Bhubaneswar, District - Khordha, Odisha for M/s Uditi Dwellings Private Limited.
4. **Category:** The project falls under category “B” or activity 8 (a) - Building and construction projects, as per the EIA Notification 2006 and amendments thereafter.
5. **Location and Connectivity:** The project site is located at Plot No. 317/2403, 318, 319, 320/2139, 322, 320, 321/2493, 325/1863, 326, 326/1851, 309/4706, 310, Mouza - Raghunathpur Jali, Bhubaneswar, District - Khurda, Odisha. The geographical co-ordinates of project site are 20°22'47.52"N & 85°49'29.14"E. Toposheet no. 73H11 & 73H15. The site is adjacent to Nandankanan Road and NH-16 is approx. 6.3 km away from the project site towards East direction. The nearest railway station is Bhubaneswar New Junction Railway Station approx. 1.1km in East direction from the project site and Biju Patnaik International Airport is at a distance of approx. 13 km in South direction from the project site.
6. The project was earlier granted Environment Clearance by SEIAA, Odisha vide letter no. 122283/11-MIS/11-2019 dated 17th August, 2020 for Plot area = 7405.75 sqm (1.83 acre) and Built-up area = 27,636.66 sqm.
7. **Transfer of Environmental Clearance** has been done through SEIAA, Odisha vide File No.: SIA/OR/MIN/306394/2023 dated **05.12.2023**.
8. Now, we are adding Tower-3 as a result of which the **Plot area** will increase to **9549.43 m²** & **Built-up area** will increase to **39,017.43 m²** for which Environment Clearance is being sought.
9. The site is coming under Bhubaneswar Development Authority, Bhubaneswar.
10. **The plot area is 9,549.43 m² (2.359 acres) with total built-up area 39,017.43 m².**

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11. The Building area details of the Project in tabulated form:

S. No	Particulars	Area (m ²) (EC Accorded)	Area (m ²) (Revision & Expansion)	Total Area (m ²) (After Revision & Expansion)
1.	Total Plot Area	7,405.75	+2143.68	9,549.43
2.	Net plot area	7,405.75	+2,000.27	9,406.02
3.	Permissible Ground Coverage	2,592.0125 (35% of the Plot area)	+700.0945	3,292.107 (35% of the Net Plot area)
4.	Proposed Ground Coverage	1,447.36 (@19.5% of the Plot area)	+907.86	2,355.22 (25.04% of Net Plot Area)
5.	Permissible FAR	22,217.25 (@3 of Plot Area)	+35,079.08	57,296.58 (@6 of Plot Area)
6.	Proposed FAR	21,409.66 (@2.89 of Plot Area)	+7,946.37	29,356.03 (@3.121 of Net Plot Area)
	• Proposed Residential FAR	20,264.66	+8,091.52	28,356.18
	• Community building	1,145.60	-145.75	999.85
7.	Non-FAR Area	6,227.00	+3,435	9,662
	• Basement non F.A.R area (Lobby, Maintenance room, UGT, STP etc.)	5,286.69	+1,733.35	7,019.44
	• Tower's non F.A.R area (Meter room, fire command center, mumty, water tank etc.)	305.11	+88.18	393.29
	• Others non F.A.R area (Stilt, Guard room, Panel room, Community building etc.)	635.2	+1,613.47	2,248.67
8.	Total Built Up Area	27,636.66	+11,380.77	39,017.43
9.	Green Area	1,636.54 (22.09% of the Plot area)	361.75	1,967.73 (20.92% of Net Plot area)
10.	Maximum Height of the building (m)	54.5(B+G+14)	---	54.5(B+G+14)

12. Statutory Clearances obtained are:

- The project was earlier granted **Environment Clearance** by SEIAA, Odisha vide letter no. 122283/11-MIS/11-2019 dated **17th August, 2020** for **Plot area = 7405.75 sqm** (1.83 acre) and **Built-up area = 27,636.66 sqm**.
- **Transfer of Environmental Clearance** has been done through SEIAA, Odisha vide File No.: SIA/OR/MIN/306394/2023 dated **05.12.2023**.

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- CGWA NOC has been obtained vide no. **CGWA/NOC/INF/ORIG/2020/9264** valid from **10th Dec. 2020 to 09thDec. 2025**

13. Water Requirement: During operation phase, the source of water supply will be Ground water. The total water requirement for the project will be approx. 182 KLD out of which domestic water demand is 167KLD. The fresh water requirement will be 110 KLD.

14. Wastewater generated: The project will generate approx. 147 KLD of wastewater. The wastewater will be treated in onsite STP of 175 KLD capacity. The treated effluent will be reused for flushing & horticulture. 71 KLD Surplus treated effluent will be discharged to external sewer in monsoon period and 64KLD in summer season.

S. No.	Description	Value as per Earlier EC	as per Granted	Addition due to Expansion	Total Quantity (After Expansion)
1.	Total Water Requirement	112 KLD		70 KLD	182 KLD
2.	Fresh Water Requirement	75 KLD		35 KLD	110 KLD
3.	Wastewater Generation	92 KLD		53 KLD	147 KLD
4.	STP Capacity	110 KLD		65 KLD	175 KLD

15. Power requirement: - The power supply will be through TP Central Odisha Distribution Limited (TPCODL). The total maximum demand is estimated as 860 kVA. 10% i.e., 86 kVA energy will be saving from total energy load (5% i.e., 43 kVA through solar and 5% i.e., 43kVA through LED). Solar energy will be utilized for street lighting, solar blinkers and signage to reduce electricity consumption. There is provision of 2 no. of DG sets of total capacity 570 kVA (1*320 kVA + 1*250 kVA) capacity for power back up.

16. Rainwater harvesting: - 7 RWH pits of 50.24 m³ capacity each are proposed for artificial ground water recharge.

17. The total population (EC accorded + Expansion) is 1436nos.

18. Parking requirement: - Total 281 ECS parking is proposed. 30% of total parking area provided with EV Charging Point = 281 @ 30% = 79 ECS.

19. Fire fighting installation: - Firefighting measures will be adopted as per the guidelines of NBC. External yard hydrants shall be installed around all buildings in the complex in galvanized steel fire house cabinet (weather proof). All external yard hydrants shall be at one meter height from finished ground level as per NBC at a distance of 60 m along the road. External fire hydrants shall be located such that no portion of any building is more than 45 m from a hydrant and the external hydrants are not vulnerable to mechanical or vehicular damage.

20. Green Belt Development: - Green Belt will be developed over an area of 1,967.73 m² i.e. 20.92% of the net plot area. Total 120 Nos. of plants to be planted and 3m spacing between plants and it will be 2 tier plantations.

21. Solid Waste Management: - During the operation phase, waste will comprise domestic as well as horticultural waste. The solid waste generated from the project shall be approx. 660 kg per day (@ 0.5 kg per capita per day for residents, @ 0.15 kg per capita per day for the visitor, 0.25 kg per capita per day for the staff members and landscape waste @ 0.2 kg/acre/day).

22. Project cost: The estimated Project cost is 80 Crores (Land and Development Cost) and cost form EMP is 40.5 lakhs.

23. Environment Consultant: The Environment consultant **M/s Grass Roots Research And Creation**

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India (P) Ltd., Noida along with the proponent made a presentation on the proposal before the Committee.

24. The SEAC in its meeting held on **03-02-2024** recommended the following:

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

- i) The compliance report for Previous EC conditions duly certified by Regional Officer, MoEF&CC.
- ii) The proponent should re-evaluate and explore ways to reduce the water discharge by increasing the greenbelt area.
- iii) NOC/permission for discharge of treated water to nearest municipal drain.
- iv) Copy of Consent to Establish from the State Pollution Control Board, Odisha.
- v) Construction status of the existing project.

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

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

25. 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
3.	The compliance report for Previous EC conditions duly certified by Regional Officer, MoEF&CC.	The compliance report of December 2023 session for Previous EC conditions along with CCR from Regional Office of Ministry is enclosed as Annexure-I .	Compliance Report has been submitted.
4.	The proponent should re-evaluate and explore ways to reduce the water discharge by increasing the greenbelt area.	We have proposed maximum possible reuse of STP treated water under flushing and horticulture. The surplus STP treated water will be used for external road-side plantation to reduce the discharge quantity.	-
5.	NOC/permission for discharge of treated water to nearest municipal drain.	Permission for discharge of treated water to nearest municipal drain has been obtained. Copy of the same is enclosed as Annexure-II	Copy sent to Planning Member, BDA, BBSR for vetting of Drainage and Sewerage Plan of the project by the CE- cum – EM, BDA, BBSR has

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			been submitted.
6.	Copy of Consent to Establish from the State Pollution Control Board, Odisha.	Consent to Establish vide letter no. 4038/IND-II-CTE-6482 dated 17.03.2021 from the State Pollution Control Board, Odisha for the existing part of project. Copy of the same is enclosed as Annexure-III	---
7.	Construction status of the existing project.	Project is under construction as per earlier EC granted. Site photographs of existing part are enclosed as Annexure-IV .	---
Reply to Site visit points			
1.	Environmental settings of the project site.	ESZ boundary of Chandaka Dampara WLS is at the distance of 2.8 km towards NNE direction and ESZ boundary of Nandankanan WLS is at the distance of 0.6 km towards NNE direction from the project site. DFO NOCs for both the WLS has been obtained and copy of the same is enclosed as Annexure- V . There is no other ecologically sensitive location near the project site.	---
2.	Verify if the site is a flood prone area.	Project Site is not located in flood prone area.	---
3.	Construction activity if any started at the site and extent of construction activity.	Current status of the existing part of project along with site photographs is enclosed as Annexure- IV .	---
4.	Road connectivity to the project site.	The connecting road is Nanadakanan Road which is adjacent to the project site. The Nearest Highway is NH-16 which is approx. 6.3 km in east direction from the project site.	---
5.	Drainage network at the site.	Drainage plan showing drain connectivity is attached as Annexure- VI .	---
6.	Discharge point for discharge of treated water and distance of the discharge point from the project site.	Details provided above in point no. 5.	---

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7.	Verification for additional parking space provision.	As per earlier granted EC, we had proposed 248 ECS. Under revision & expansion we have proposed additional 33 ECS. Total proposed parking including existing and proposed is 281 ECS. Parking plan is enclosed as Annexure- VII.	---
8.	Any other issues including local issues.	No local issues.	---

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

- a) It's an expansion of project by one more tower in addition to two towers which are under construction.
- b) The PP explained the layout and informed that the present construction is as per plan and EC condition. However, he may be asked to submit information in a Tabular form giving comparison of approved plans and other components for existing vs actual with proposed including parking, green belt, solar, discharge treated water etc.
- c) Plan to reduce discharge of treated water with permission from authority.
- d) All statutory permission for or including the new proposed building from appropriate authority.
- e) All other points asked during presentation to be complied.

27. Observation of Sub-committee of SEAC at para – 24 (a) has already complied by the proponent in table at para 9 above.

Considering the information furnished and the presentation made by the consultant, **M/s Grass Roots Research & Creation India (P) Ltd., Noida** along with the project proponen

Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 01.05.2024 and the SEAC recommended for grant of Environmental Clearance valid for 10 years with stipulated conditions as per **Annexure – C** in addition to the following specific conditions.

- 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) Greenbelt shall be developed in minimum 20% (excluding land scaping).
- 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 obtain permission from concerned authority for connecting drain to the road side drain with approval of drain layout and discharge of excess treated water.
- v) The proponent shall approve drain layout and sewage layout with plan for treatment and disposal of sewage waste.
- 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 proponent shall plan to reduce discharge of treated water with permission from concerned authority.
- xii) The proponent shall obtain statutory permission including the new proposed building from appropriate authority.
- xiii) 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
- xiv) The project was earlier granted Environment Clearance by SEIAA, Odisha vide letter no. 122283/11-MIS/11-2019 dated 17th August 2020 for Plot area = 7405.75 sqm (1.83 acre). The monitoring report for ensuring compliances with the conditions stipulated in the above-mentioned EC order, submitted by the regional office, Bhubaneswar, Ministry of Environment, Forest & Climate Change, Government of India has mentioned non-compliance and partial compliances with a large number of conditions (Part II & III of the report) and the project proponent shall comply with the same.
- xv) All compliances submitted/ committed by PP(s) shall be strictly adhered to them in addition to all the conditions/ specific conditions of EC.

Decision of Authority: