

**PROCEEDINGS OF THE MEETING OF STATE LEVEL EXPERT APPRAISAL
COMMITTEE, ODISHA HELD ON 07TH MAY, 2022**

The SEAC met on 07th May, 2022 at 10:30 AM in the Conference Hall of Odisha State Pollution Control Board, Bhubaneswar under the Chairmanship of Sri B. P. Singh. The following members were present in the meeting.

1. Sri B. P. Singh	-	Chairman
2. Dr. K. Murugesan	-	Secretary
3. Dr. D. Swain	-	Member
4. Prof. (Dr.) H.B. Sahu	-	Member
5. Sri J. K. Mahapatra	-	Member
6. Sri K. R. Acharya	-	Member
7. Prof. (Dr.) B.K. Satpathy	-	Member
8. Prof. (Dr.) P.K. Mohanty	-	Member
9. Dr. K.C.S Panigrahi	-	Member
10. Dr. Sailabala Padhi	-	Member

Draft proceeding of the meeting was finalized by the members through e-mail and also final proceeding of the meeting was confirmed by the members through e-mail. The agenda-wise proceedings and recommendations of the committee are detailed below.

ITEM NO. 01

PROPOSAL FOR ENVIRONMENTAL CLEARANCE OF M/S HARSHPRIYA NEELACHALA FOR RESIDENTIAL PROJECT LOCATED AT MOUZA-DUMDUMA, TEHSIL-BHUBANESWAR, DISTRICT-KHURDA OVER TOTAL BUILT-UP AREA OF 43207.38 SQM OF CHETAN KUMAR TEKARIWAL (PARTNER) – EC

The project proponent did not attend the meeting. The project proponent has requested for withdrawal of proposal as they will submit a modified proposal and apply afresh. Hence, SEAC recommended to return the proposal to SEIAA.

ITEM NO. 02

PROPOSAL FOR ENVIRONMENTAL CLEARANCE OF M/S LAXMI INFRA VENTURE (P) LTD. FOR PROPOSED RESIDENTIAL PROJECT [B+S+12 MULTI STORIED RESIDENTIAL APARTMENT WITH ONE BLOCK OF B+G+3 STORIED COMMERCIAL AND G+2 STORIED COMMUNITY HALL] IN REVENUE PLOT NO. 1380 & 1390 LOCATED IN MOUZA - NUAHAT,THANA - CUTTACK SADAR NO-45,TAHASIL-CUTTACK SADAR NO-273,DIST-CUTTACK, ODISHA OVER BUILT-UP AREA OF 81955.983 SQM OF RAJESH KUMAR NAYAK (DIRECTOR) – EC

1. This is a proposal for Environment Clearance of M/s Laxmi Infra Venture (P) Ltd. for Proposed Residential Project [B+S+12 multi storied Residential apartment with one block of B+G+3 Storied Commercial and G+2 Storied Community Hall] in Revenue Plot No. 1380 & 1390 located in Mouza - Nuahat, Thana - Cuttack Sadar No-45,Tahasil-Cuttack Sadar No-273,Dist-Cuttack, Odisha over built-up area of 81955.983 sqm of Rajesh Kumar Nayak (Director).
2. The project falls under category “B” or activity 8 (a) - Building and Construction projects under EIA Notification dated 14th September 2006 as amended from time to time.

3. M/s Laxmi Infra Venture (P) Ltd. proposes for Proposed Residential Project [B+S+12 multi storied Residential apartment with one block of B+G+3 Storied Commercial and G+2 Storied Community Hall] in Revenue Plot No. 1380 & 1390 located in Mouza - Nuahat,Thana - Cuttack Sadar No-45,Tahasil-Cuttack Sadar No-273,Dist-Cuttack, Odisha over built-up area of 81955.983 sqm. The geographical coordinates are Latitude: 20° 22' 21.56" N and Longitude: 85° 53' 29.27" E. The nearest railway station is Cuttack Railway Station approx. 9.05km from the project site and Biju Pattanaik International Airport is at a distance of approx. 14.96km from the project site. The site is located close to NH-16/AH-45 Road at 0.12km and 1.20km from SH 60. Site is flat land with average elevation of 337 m AMSL. Nearby sensitive places are : Chandaka Reserve Forest is at a distance of 11.5 km and Nandankanan Zoo is at a distance of 7.5 km. Nearest water bodies are Kathajori River is at 8.34 km, Serua River is at 2.76 km and Kuakhai River is at 1.91 km and Puri Canal is at 0.53 km.
4. The site is coming under development plan of Cuttack Development Authority. M/S.Laxmi Infra Venture (P) Ltd. has obtained the land possession about 5.612 Acres. Proposed Built-up area- 81955.983 m².
5. **Power requirement:** The power supply will be supplied by TPCODL (TP CENTRAL ODISHA DISTRIBUTION LIMITED). Grand total electrical load for the project during operation phase 3433.46 KW. For Residential Buildings =3788.69 KW /D.G Set =380 KVA - 2Nos & 250 KVA - 1No and For Commercial Annex Building =630 KVA/D.G Set =625 KVA -1 Nos. Solar Panel will be installed @ 5% of the total load is 171.6728 KW, and 536 solar panels will be installed.
6. **Water requirement:** Total Fresh Water requirement is 256 m³/day. Total Flushing Water requirement is 131m³/day. Total Water requirement is 387m³/day (fresh water + flushing water). Waste water generate is 310 m³/day. Treated water recovered is 248m³/day. Reuses of treated water 248 m³/day (during Dry Season) and during monsoon season 50 m³/day of surplus treated waste water discharge to Municipal Drain.
7. **Waste water details:** The project will generate approx. 310 KLD of wastewater. The wastewater will be treated in an onsite STP of 340 KLD capacity.
8. Total 34 Rain Water Harvesting pits will be constructed at different locations.
9. **Parking Requirement:** Total parking area provided are for Residential - 15501.024 sqm and for Commercial – 1625.673 sqm and for visitors - 1607.38 sqm will be provided.
10. **Fire fighting Installations:** Fire fighting system will be installed as per recommendation of the Fire fighting Officer, Odisha and as per the guideline of NBC (part-4).
11. **Green Belt Development:** Total green and open area measures 4800.00 sqm (approx. 21% of total area). Trees like Azadirachta indica, Cassia fistula, Terminalia arjuna, Butea monosperma etc. and flowering and ornamental plants have been proposed to be planted inside the premises. Parks will also be developed by the management. The suggested plant species consisting of large trees, small trees and green lands will be planted.
12. **Solid Waste Management:** During the operation phase, the solid waste generated from the project shall be mainly MSW (Municipal solid waste) approx. 1687 kg/day. The total biodegradable solid waste will be 965 kg/day and total non-biodegradable solid waste will be 722 kg/day. 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. STP sludge, which is periodical in nature is proposed to be used for horticultural purpose only after removal of oil & grease. Horticultural Waste is proposed to be composted and will be used for gardening purposes.

13. The cost of the project is ` 110 Crores.
14. The Environment consultant **M/s Visiontek Consultancy Services PVT. LTD., Bhubaneswar** along with the proponent has made a presentation on the proposal before the Committee.

Considering the information / documents furnished by the proponent and presentation made by the consultant **M/s Visiontek Consultancy Services PVT. LTD., Bhubaneswar**, the SEAC decided to take decision on the proposal after receipt of the following information / documents from the proponent followed by site visit by the sub-committee of SEAC.

1. Internal drain network with dimension in the unit layout to be submitted along with dimensions and its connectivity.
2. Start and fall out the outside drain to which the treated water will be discharged to be intimated including the permission of the authority of the drain to take the additional load
3. Solar calculation details with generation and consumption in terms of % of total power. And detail calculation of 536 solar panels to be submitted.
4. Part of the land is found to be "Patita" as per the land documents submitted by PP. The land record of the whole land shall be converted to " Gharabari" as per the Sabik record before start construction.
5. Proposed green belt details with stretch / dimension / trees of plantation & the species be submitted.
6. Layout drawing showing separate parking for commercial, residential and floating population with separate entry and exits for the same. Parking in terms of ECS as per the norm for both 4wheelers and 2 wheelers compatible with space provided & no of residential units (for residents), visitors and floating population for commercial complex to be revisited and resubmitted.
7. Detail Traffic study report to be submitted from an Institute of repute.
8. Copy of Power of Attorney of Laxmi Infra for ownership of the private lands.
9. To rework for reducing the number of DG sets from proposed 4 nos. by increasing the capacity.
10. Water analysis water from public supply and need of Water Treatment Plant.
11. Permission from W.R department as there is a provision of commercial use.
12. Basis of calculation of nos. of people for club house and commercial complex, consumption of domestic and flush water thereof and revisiting water balance as and if required.
13. Compliance of provision of structural stability study as laid down in bye law of Development Authority.

ITEM NO. 03

PROPOSAL FOR ENVIRONMENTAL CLEARANCE OF M/S AMNS INDIA LIMITED FOR RESIDENTIAL TOWNSHIP OVER AN BUILT-UP AREA 62542.44 SQ.M LOCATED AT VILLAGE – CHAKRADHARPUR, TAHASIL KUJANG, PARADEEP, DIST - JAGATSINGHPUR OF SRI SUBRAHMANYA SHANBHOGUE TANTRADI (EXECUTIVE DIRECTOR) – EC

1. This is a proposal for Environment Clearance of M/s AMNS India Limited for Residential Township over an Built up area 62542.44 sq.m located at Village – Chakradharpur, Tahasil Kujang, Paradeep, Dist - Jagatsinghpur of Sri Subrahmanya Shanbhogue Tantradi (Executive Director).
2. The project falls under category “B” or activity 8 (a) - Building and Construction projects under EIA Notification dated 14th September 2006 as amended from time to time.
3. M/s AMNS India Limited has proposed for construction of Residential Township project of AMNS India Limited, At Village Chakradharapur under Kujang Tahasil Paradeep, Dist. Jagatsinghpur of Odisha.
4. The site is coming under development plan of Paradeep Development Authority. The project will be developed on the land measuring 32293.914 sqm or 7.98 Acres.
5. **Location and Connectivity** - The proposed township is over on Plot No 391,392,393, 394,395, 397, 398, 399(P), 401,402,403,404,405,406&407 (Khata No. 297 (A.J.A). Kism – Gharabaari and geo coordinates is Latitude: 20°19'14.29"N, Longitude: 86°36'24.02"E. Plot area of project is estimated to be 32293.914 sqm., or 7.98 Acres & the Built up Area is estimated to be 62,542.44 sqm. (Including stilt) & 46,598.04 sqm. (Excluding Stilt). The Residential Township is well connected with Bhubaneswar. The site is located near to Cuttack-Paradeep State Highway Road which connects to NH-5A (Cuttack-Chandikhol Road) at Bhutamundai Bus Stand Square is about 3.45 Km in the E direction. The Cuttack- Paradeep State Highway Road then connects to NH-5A at Dochakki, Udayabata Square (covering a total of 2.35 km by road in the W direction from the project site). And the site is approximately 8 km (by road) from Paradeep Railway Station. The Residential Township in totality is well connected through Road, Rail & Air.
6. **The Proposed size of the Project** - Plot area 32293.914sqm (7.98 acres or 3.22 Ha). Proposed Total 10058.60 m² (31.1 % of the plot area)). Total Built-up Area = 62542.44 m², No. of Floors (LS+US+10). Proposed F.A.R =1.42 (45,932.44 m²), Total no. of Dwelling Units - 244 DU+60 Hostel Room+3 Duplex. Landscape Area is 12121.72 m² (37.5 % of the plot area). Road and Paved area 8538.86 (26.4 % of the plot area).

7. TYPE OF BUILDINGS IN RESIDENTIAL TOWNSHIP

The typical configurations for various types of buildings in Residential Township are as follows:

Three (3) BHK Building: 1 (one) 3 BHK tower

Two (2) BHK Building: 2 (two) 2 BHK tower

One (1) Executive Hostel Building: 1 (one) Executive Hostel tower

One (1) V.I.P. Duplex: 1 (one) V.I.P.
Duplex

Two (2) Duplexes: 2 (two)
Duplexes

Besides the above, the Residential Township will comprise a community center, shopping mall, guest house, clubhouse, health center, temple, amphitheater, and playground facilities.

8. **Power requirement:** Power supply to the township shall be drawn from the AMNS Plant HT bus through a dedicated feeder. The maximum demand load is estimated at 3560 KVA & connected load is estimated at 2904 KW. Details of DG Sets - There is a provision of Power backup for the residential project will be through DG sets of total capacity 1X2000 KVA + 1 X 1500 KVA +1X 500 KVA silent DG Set. The proposed DG sets will be equipped with acoustic enclosure to minimize noise generation and adequate stack height for proper dispersion.
9. **Water requirement and waste water details:** The water requirement is approx. 218 KLD (domestic + flushing), out of which total domestic water requirement is 145 KLD (Daily water Requirement) & Treated wastewater reuse =140 KLD. So, the total freshwater requirement is 145 KLD (daily basis for domestic requirement). Approximately, 174 KLD of wastewater will be generated during the operational phase from domestic uses and other uses. The wastewater will be treated up to tertiary level in one STP of 200 KL capacity.
10. **Rainwater Harvesting** - Total 24 no of Rainwater harvesting structures with 1 recharge well are being proposed for artificial rainwater recharge within the project premises.
11. **Parking Requirement:** Total parking area provided= 14350.50 sqm. Total ECS provided= $14350.50/28=512.5$ or to say 513 including 10% of visitor parking. Open Parking: 2815.3 sqm Total ECS Provided = $2815.3/12 =235$ including 10% of visitor parking.
12. **Fire fighting Installations:** Fire Fighting Systems at Township – Fire fighting measures shall be adopted as per the guidelines of NBC. Hazard classification as per the NBC-2016. Safety measures taken are proper fire exits and exit signage will be provided. Fire extinguishers of appropriate type will be placed on a readily accessible place and will be maintained accordingly. Fire hydrant system will be provided within the buildings, fire escape staircases. In addition, 10 kg fire extinguishers will be provided for class A, B, and C fires. CO2 extinguishers will also be provided..
13. **Green Belt Development:** The project being a well-planned residential activity will result in organized open spaces and green areas. The green area will consist of evergreen tall and ornamental trees and ornamental shrubs to be planted inside the premises. The green area will be developed approx. 12121.72 m² (37.53 % of the plot area).
14. **Solid Waste Management:** During the operation phase, waste will comprise domestic waste. The solid waste generated from the project shall be mainly MSW (Municipal Solid Waste) approx. 726 kg/day. Organic waste-522.5 kg/day. In-organic waste - 204 kg/day.

15. The cost of the project is ` 87 Crores. EMP cost: Capital Cost – 124 Lacs and Recurring Cost – 11.1 Lacs
16. The Environment consultant **M/s Visiontek Consultancy Services PVT. LTD., Bhubaneswar** along with the proponent has made a presentation on the proposal before the Committee.

Considering the information / documents furnished by the proponent and presentation made by the consultant **M/s Visiontek Consultancy Services PVT. LTD., Bhubaneswar**, the SEAC decided to take decision on the proposal after receipt of the following information / documents from the proponent followed by site visit by the sub-committee of SEAC.

1. Salinity report of water to be submitted with measures to reduce in case of increase in salinity norm.
2. Source of water probably from Taldanda Canal. If so, then agreement copy with W.R. Deptt., Govt. of Odisha shall be submitted.
3. Internal drain network with dimension in the unit layout to be submitted along with dimensions and its connectivity and drain to which the treated waste water will be discharged including the permission from the authority of the later.
4. Plot wise land schedule with kissam of land duly certified by concerned Tahasildar both as per Hall and Sabik records. The land record of the whole land shall be converted to "Gharabari" before start construction.
5. Proposed green belt details with stretch / dimension / number of trees to be planted & the species be submitted. Hardy plants are suggested to be planted in greenbelt area.
6. Copy of agreement with agency for disposal of non-biodegradable wastes.
7. Traffic study report to be vetted by reputed institute to be submitted.
8. Captive power plant can be used for emergency power backup. PP stated to have 4 nos. of DG sets with cumulative capacity of 4000KVA. It is to be reworked to reduce both in number & capacity and re submit in view of emergency power backup from CPP.
9. Structural Stability certificate to be vetted by reputed institute to be submitted as per bye law of the Development Authority.
10. Waste Water Treatment Plant to be installed.
11. Mitigation measures taken for flash flooding.
12. Stated STP capacity of 200KLD appears inadequate and to be reworked based on the quantity of effluent treatment with design margin and submit.
13. Permission from State Highway authority for laying pipe for drawing water from Taladanda canal and possession of any private land for the purpose as well as permission from WR department, Government of Odisha for installation of Pump in the canal for the purpose.

ITEM NO. 04

PROPOSAL FOR ENVIRONMENTAL CLEARANCE OF M/S DEVAVRAT HOMES PVT. LTD. FOR RESIDENTIAL BUILDING (2S+9) ON PLOT NO. 2428/3376, PLOT AREA - 6,555.91 SQM., LOCATED AT KALARAHANGA, BHUBANESWAR WITH TOTAL BUILT UP AREA - 30,629 SQM OF MRS. SUNITA CHOUDHARY (MANAGING DIRECTOR) – EC

1. This is a proposal for Environment Clearance of M/s Devavrat Homes Pvt. Ltd. for Residential Building (2S+9) on Plot No. 2428/3376, Plot Area - 6,555.91 sqm., located at Kalarahanga, Bhubaneswar with total built up Area - 30,629 sqm of Mrs. Sunita Choudhary (Managing Director).
2. The project falls under category "B" or activity 8 (a) - Building and Construction projects under EIA Notification dated 14th September 2006 as amended from time to time.
3. **Location and Connectivity** - M/s Devavrat Homes Pvt. Ltd. proposes for Proposed Residential Project [2S+9 Floors (Block-2) over Revenue Plot No. 2428/3376 at Mouza Kalarahanga under Bhubaneswar Municipal Corporation, Bhubaneswar, Khorda, Odisha. The geographical coordinates are Latitude-20°21'29.30"N and Longitude- 85°50'56.00"E. The project will be developed on the land measuring 6,555.91 sqm or 1.62Acres or 0.6555 Ha at Mouza-Kalarahanga, Dist:- Khorda, Odisha. The nearest airport is Bijupattanaik Airport which is 12.28km away from the project site. Bhubaneswar railway station is 10 km away from the project site. Mancheswar Junction station is 4 km away from the project site. Patia railway station is 1.4 km away from the project site. Nearest forests are Chandaka RF – 10.40 Km, Bharatpur PF- 6.40km, Jagannath Prasad RF – 5.62 KM, Nandankana Zoo- 4.52 Km. Nearest Water bodies are Burhi nala/ Gangua Nala- Near to project site, Daya Canal – 0.85 KM, Kuakhai River- 2.73 KM.
4. The site is coming under development plan of Bhubaneswar Development Authority.
5. The area statement for the project are –

Particulars	Area (in m ²)
Plot Area	6,555.91 m ² , or 1.62Acres
Proposed Ground Coverage	2590.28 m ² (39.41% of the plot area))
Landscape Area	1376.76 m ² (21 % of the plot area)
Area of internal roads	1928.97 (29.42% of the plot area)
Area of STP & Sewerage and Other Services	659.9 (10.7 % of the plot area)
Parking space provided in Stilt area	7021.748 sqm
FAR Area	23607.346 Sqm.
Total built up area	30,629.09 sqm
Maximum height of building	29.9 m
Total no. of Dwelling Units	249 Units
No. of Floors	(Upper Stilt +Lower Stilt+9 Floors)
DG Set	1no of 200 KVA
Total Project Cost	55 Cr

6. **Power requirement:** The power supply will be supplied by TPCODL (TP CENTRAL ODISHA DISTRIBUTION LIMITED).The power demand for the project is 1250 kw and power backup incase of emergency is provided by 200KV DG sets.

7. **Water requirement:** During operation phase water will be sourced from Ground water /Public Health Department. Total Fresh Water requirement is 97 m³/day. Total Flushing Water requirement is 60 m³/day. Total Water requirement is 156 m³/day (fresh water + flushing water). Waste water generate is 125 m³/day. Treated water recovered is 100 m³/day. Reuses of treated water 100 m³/day (during Dry Season) and during monsoon season 25 m³/day of surplus treated waste water discharge to Municipal Drain.
8. **Waste water details:** The project will generate approx. 125 KLD of wastewater. The wastewater will be treated in an onsite STP of 200 KLD capacity.
9. Total 3 Rain Water Harvesting pits will be constructed at different locations.
10. **Parking Requirement:** Parking Area Required = 25 % of Total FAR Area = 5902 sqm. And Parking Area Provided = 30 % of the FAR Area = 7022 sqm. Total ECS Provided=351 (including Visitors Parking (20% of total parking provided)).
11. **Fire fighting Installations:** Fire fighting system will be installed as per recommendation of the Fire fighting Officer, Odisha and as per the guideline of NBC (part-4).
12. **Green Belt Development:** Total green and open area measures 1376.74 sqm (approx. 21 % of total area). Trees like Azadirachta indica, Cassia fistula, Terminalia arjuna, Butea monosperma etc. and flowering and ornamental plants have been proposed to be planted inside the premises. Parks will also be developed by the management. The suggested plant species consisting of large trees, small trees and green lands will be planted.
13. **Solid Waste Management:** During the operation phase, waste will comprise domestic waste. The solid waste generated from the project shall be mainly MSW (Municipal solid waste) approx. 591.48 kg/day, Following arrangements shall made at the site in accordance to Municipal Solid Wastes (Management and Handling) Rules, 2000 and amended Rules, 2016.The total biodegradable solid waste will be 357 kg/day and total non biodegradable solid waste will be 234.36 kg/day. 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.
14. The cost of the project is ` 55 Crores.
15. The Environment consultant **M/s Visiontek Consultancy Services PVT. LTD., Bhubaneswar** along with the proponent has made a presentation on the proposal before the Committee.

Considering the information / documents furnished by the proponent and presentation made by the consultant **M/s Visiontek Consultancy Services PVT. LTD., Bhubaneswar**, the SEAC decided to take decision on the proposal after receipt of the following information / documents from the proponent followed by site visit by the sub-committee of SEAC.

1. Pedestrian Pathway to be provided and shown in layout.
2. Internal drain network with dimension in the unit layout to be submitted along with dimensions and its connectivity.
3. Start and fall out the outside drain to which the treated water will be discharged to be intimated including the permission of the authority of the drain to take the additional load

4. Solar calculation details with generation and consumption in terms of % of total power.
5. Increase in number to plantation to reduce quantity of treated water to drain.
6. Proposed green belt details with stretch / dimension / trees of plantation & the species be submitted.
7. Layout of drain to be constructed by PP with permission letter from concerned authority along with ownership of related land details.
8. Detail Traffic study report to be submitted from an Institute of repute.
9. Copy of Power of Attorney of M/s Devavrat Homes Pvt. Ltd for ownership of the private lands.
10. Undertaking by PP that construction work has not been started.
11. Source of water to be clearly confirmed and water quality of both ground water and public water (pipe supply) be submitted.
12. Basis of calculation of ECS for four-wheeler and two wheelers be submitted

ITEM NO. 05

PROPOSAL FOR ENVIRONMENTAL CLEARANCE OF M/S JAI PRAKASH HOSPITAL & RESEARCH CENTRE PVT. LTD. FOR REGULARIZATION OF B+G+5 HOSPITAL BUILDING & AMPHITHEATRE OVER AN AREA BUILT UP AREA 21992.01SQM LOCATED AT – BRAHMANI TARANG, ROURKELA, DIST – SUNDARGARH, ODISHA OF SRI SANJAY BANSAL (DIRECTOR) - VIOLATION TOR

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. M/s Jai Prakash Hospital and Research centre Pvt. Ltd. Has applied for “Terms of Reference (ToR)” for Regularization of B+G+5 Hospital Building & Amphitheatre located located at – Brahmani Tarang, Tahasil – Lathikata, Dist – Sundargarh, Odisha of Sri Sanjay Bansal.
3. The proponent has already constructed the total project with built-up area 21992.01 Sq.mt. without obtaining Environmental Clearance. Hence, this is a violation case.
4. The category of the project is 8(a) as per EIA Notification, 2006 & its amendments.
5. **Location and Connectivity** - The Project Site is located at - Brahmanitarang, P.S- Brahamanitarang, Tahasil- Lathikata, Dist-Sundargarh, Odisha and part of the Survey of India Toposheet No. F45G11, F45G12, F45G15 & F45G16. And is on Plot No: No's- 3486, 3477, 3480, 3501, 3477/4089, 3482, 3499, 3447/4084, 3500, 3485, 3484, 3483, 3483/3957, 3481, 3498, 3474/4086, 3477/4062 & 3447/P Khata No. 1708/703 & 535 of Area – 28.447 Acres. The Geographical coordinate of the project site is: Latitude – 22° 13' 28.78" N & Longitude – 84° 47' 48.64" E. National Highway-143 is about 0.26 Km away from the project site. The Panposh Railway Station at a distance of about 1 Km from the project site. The Rourkela Airport at a distance of about 8.00 Km from the project site.

6. The site is coming under Rourkela Development Authority. The total plot area is 15195.94 Sqmt with total built-up area 21992.01 Sq.mt. and Kissam of land is Gharabari.
7. The Building Details of The Project:

PARTICULARS	DETAILS		
	Existing	Expansion	Total
Hospital Bed	307	218	525
Plot Area	15195.94 SQ.M	-	15195.94 SQ.M
Built up Area	21992.01 SQ.M	-	21992.01 SQ.M
Water Requirement	138 KLD	98 KLD	236 KLD
Bio-medical Waste	460.0 Kg/day	327.0 Kg/day	787.0 Kg/day
Solid Waste Generation	--	555 Kg/day	555 Kg/day
Power Requirement	--	1782 KVA	1782 KW
DG set	--	2x750 KVA	2x750 KVA

8. Chronological Order of Activities

- i. The Building Plan of M/s Jai Prakash Hospital & Research Centre Pvt. Ltd. over (B+G+3+Service) was approved on 24.04.2015. This area does not required EC.as the total built up area was approx. 18,564 sq.m.
 - ii. Consent to Establish was granted by SPCB, Odisha on 12.10.2018, vide letter no. 2629 for 307 bedded hospital.
 - iii. Consent to Operate was granted by SPCB, Odisha on 26.04.2019, vide letter no. 1397 for 307 bedded hospital, which is valid upto 2023.
 - iv. Authorisation under Biomedical Waste Rule, 2016 was granted by SPCB, Odisha on 15.05.2019 vide letter no. 4621/SPCB/Authorization (Biomedical Waste), which is valid upto **31.03.2023** for 307 beds.
 - v. The Hospital becomes operational on 13.12.2019 vide letter no. 3935/CE, RGH of Dist. Collector-cum-Supervising Authority under Clinical Establishment Act, Sundargarh.
 - vi. Rourkela Development Authority approves regularisation of B+G+5 Hospital Building & Amphitheatre on 09.04.2021 with total build up area over 21,992.01sq.m.
 - vii. So, now Project proponent have applied for Environmental Clearance for 525 bedded hospital, as build up area comes under the purview of EC.
9. **Water requirement:** The Jaiprakash Hospital has 307 beds & PP wants to expand it to 525 beds without addition of staff & doctors. The existing water use is 163 KLD which will be increased to 240 KLD by a quantity of 77 KLD for the extra nos. of beds.
10. **Waste water details:** The project will generate approx. 292 KLD (sewage load) of wastewater. The wastewater will be treated in the ETP of capacity 29 KLD & STP of capacity 330 m3/day provided within the complex. Out of which 227 m3/day will be

recycled within the project for Flushing (105 m³/day), HVAC (94 m³/day) & discharged to drain is 25 KLD in Non-Monsoon Season.

**Water Requirement during Operation Stage (Existing + Expansion)
Fresh Water requirement (Existing + Expansion)**

Sl. No.	Description	Total Population	Per Capita Consumption (ltr/day)	Total Water Requirement (KLD)
1.	Existing- 307 beds	307 nos	450	138.0
2.	Expansion- 218 beds	218 nos	450	98.0
TOTAL				236.0

11. **Power requirement:** The daily power requirement for the hospital is preliminarily assessed as 1782 KW (Existing & Expansion) source from NESCO of Odisha State Electricity Board. In order to meet emergency power requirements during the grid failure, there is provision of 2 nos. of DG sets of 750 KVA capacities for power back up in the Hospital Project. Energy Saving by Solar Power/ Light = $92.57/1782=0.051 \times 100 = 5.1 \%$.
12. **Rain Water Harvesting:** Rain Water will be harvested and recharge through 4 recharge pits from the plot area and volume of storm water is 179cum.
13. **Parking Requirement:** Total parking area required 6201.08 m² Sq.mt./240 ECS and open area and basement parking area will be provided.
14. **Fire fighting Installations:** Fire fighting system will be installed as per recommendation of the Fire fighting Officer, Odisha and as per the guideline of NBC (part-4).
15. **Green Belt Development:** Out of the total area, green belt will be developed over an area of 1519.59 sqm (20.50% of the plot area).
16. **Solid Waste Management:** From the existing project solid waste has been generated about 555 kg/day. RMC has collecting & treatment of Solid waste.
17. **Biomedical Waste Management:** Bio-medical waste generation from Existing 307 beds is 460.0 Kg/day and Bio-medical waste generation from Proposed 218 beds is 327.0 Kg/day.
18. The total population of project will be 2825 persons.
19. The estimated project cost is ` 93 Crores and cost for EMP is 41.7 crores.
20. The project proponent along with the consultant **M/s Centre for Envotech & Management Consultancy Pvt. Ltd., Bhubaneswar** made a detailed presentation on the proposal.
21. The SEAC observed that the proponent has already constructed the project without obtaining Environmental Clearance as per EIA Notification 14th Sept. 2006 and amendment thereafter.

The SEAC, after detailed deliberations on the proposal in terms of the provisions of the MoEF&CC, Govt. of India Notification dated 14th March, 2017, confirmed the case to be of violation of the EIA Notification, 2006 and recommended for the following:

- (i) The State Government / SPCB to take action against the project proponent under the provisions of section 19 of the Environment (Protection) Act, 1986, and further no

consent to operate or occupancy certificate to be issued till the project is granted Environmental Clearance.

- (ii) Grant of Terms of Reference for undertaking EIA and preparation of Environment Management Plan (EMP) as enumerated in **Annexure-A** with following specific ToRs.:
 - a) Separate provision for ETP for hospital effluents with zero discharge to outside and no integration of STP with ETP.
 - b) Provision of Incinerator of suitable capacity.
- (iii) The project proponent shall be required to submit a bank guarantee equivalent to the amount of remediation plan and natural and community resource augmentation plan with the SPCB prior to the grant of Environmental Clearance. The quantum shall be recommended by the SEAC and finalized by the regulatory authority. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the SEAC and approval of the regulatory authority.

ITEM NO. 06

PROPOSAL FOR ENVIRONMENTAL CLEARANCE FOR GUNUPUR SAND BED-I OVER AN AREA OF 15.00 ACRES/ 6.070 HA LOCATED AT- GUNUPUR, TAHASIL- GUNUPUR, DISTRICT- RAYAGADA OF SRI J. VENKATE RAO (LESSEE) - EC

The project proponent did not attend the meeting. The proposal is deferred to next meeting.

ITEM NO. 07

PROPOSAL FOR ENVIRONMENTAL CLEARANCE OF M/S PREMEX FOR CHASANIMAKHANDI SAND QUARRY OVER AN AREA OF 13.0678 HA. LOCATED AT KHATA NO. 1004, PLOT NO. 1535, 1427, VILLAGE - CHASANIMAKHANDI, TAHASIL - DIGAPAHANDI, DISTRICT - GANJAM WITH PROPOSED EXCAVATION OF 3000 M3/YEAR OF SAND OF SRI PRAVA RANJAN MISHRA (PARTNER) - EC

1. The proposal is for Environmental Clearance for Chasanimakhandi Sand Quarry over an area of 13.0678 Ha. located at Khata No. 1004, Plot No. 1535, 1427, Village - Chasanimakhandi, Tahasil - Digapahandi, District - Ganjam with proposed excavation of 3000 m3/year of sand of Sri Prava Ranjan Mishra (Partner).
2. The project falls under category "B1" or activity 1 (a) – Mining of Minerals projects under EIA Notification dated 14th September 2006 as amended from time to time.
3. The lease was granted to M/s. Premex, Prava Ranjan Mishra, Chasanimakhandi Sand quarry, Village- Chasanimakhandi, Dist – Ganjam, State- Odisha. Vide Letter No.: 8083, dated 17.12.2019 from Tahsildar cum-Competent Authority Digapahandi, Odisha.
4. The mining plan was approved by Deputy Director of Geology, Berhampur vide Memo No: 866/sz dated 29.06.2020.
5. The auto generated standard TOR was granted for this project vide letter No. File No.57719/41-MINB1/10-2020 on dated 21.12.2020 and specific TOR issued by SEIAA vide letter no – 9678/SEIAA dated 23.11.2020.
6. The public hearing has been conducted on 22.12.2021 at Rajiv Gandhi Seva Kendra Building at village Chasanimakhandi, Tahasil - Digapahandi, District - Ganjam Odisha.

7. **Location and Connectivity** – The lease area location, Khata No: 1004, Plot No: 1535, 1427 and 1776/4092, At: Chasanimakhandi, Tahasil: Digapahandi, Dist: Ganjam, Odisha State comes under 74A/7, 74A/11 survey of India, Topo sheet. The coordinates of lease area are Latitude: 19°21'25.6" to 19°21'41.1" and Longitude: 84°28'17.0" to 84°28'55.8". The mine lease area is connected to Nearest state highway is SH-17 at a distance of 10 km in SW. Nearest Railway line is at Berhampur Railway Station at a distance of 42 Km in SE. The nearest Airport is Bhubaneswar Airport at a distance of 200 km.
8. **Reserves and Proposed Production** – The total geological reserves is 196170 cu.m and mineable reserves is 100348 cu.m. The proposed production is 3000 cum /year or 12000 TPA of Sand.
9. **Basic Requirements For The Project**
10. **Manpower:** About 13 persons will be given employment to the people of nearby villages.
11. **Water Requirement:** There is requirement of approx. 3.0 KLD water for this project. 0.5 KLD will be for drinking/domestic purpose, 0.5KLD for green belt and 2.0KLD from dust suppression which will be sourced from the nearby available water tanker..
12. **Mining Method:** Mining will be done by manual method. Since the depth of sand deposit is 1m, excavator, handpicks, spade, hand shovel will be used by laborers for extracting & loading of sand. The proposed mined out areas will gradually get filled up by river sands transported with water from upstream direction.
13. **Baseline Study:** Baseline data on ambient air quality, water quality, noise level, soil, flora and fauna site-specific meteorological data have been collected during 1st Oct 2020 to 31st Dec 2020.
14. During public hearing of this project various issues raised were -
 - ✓ Sand mining shall not be allowed at bathing ghats..
 - ✓ Maintenance of village transportation roads.
 - ✓ Allow local public to use sand for their domestic construction.
 - ✓ Vehicles of local public shall be deployed in mining transportation.
 - ✓ Sand mining will generate Govt. revenue which will be utilized for local development
 - ✓ Local Employment.
15. **Greenbelt Development:** Plantation will be done in safety zone of lease area. About 100 numbers of trees will be planted with consultation with the local authorities.
16. **Project Cost Estimation:** The estimated cost of the project is Rs. 10.0 lakh.
17. **The Environment consultant M/s Green Circle. INC. Vadodara - 390021 (Gujarat)** along with the proponent has made a presentation on the proposal before the Committee.

Considering the information / documents furnished by the proponent and presentation made by the consultant **M/s Green Circle. INC. Vadodara - 390021 (Gujarat)**, the SEAC recommended for grant of Environmental Clearance for the proposal valid up to lease period with stipulated conditions as per **Annexure – B** in addition to the following specific conditions.

1. Revised mining plan shall be prepared based on essential physical criteria as per Enforcement and Monitoring Guidelines for Sand Mining, January 2020 of MoEF&CC, Govt. of India enclosed as **Annexure - C**. Lay out of Progressive Mine Closure Plan shall also be incorporated in the Revised Mining Plan.
2. Regular replenishment study to be conducted and report to be submitted.
3. Provision of Bio-toilet shall be made at the site.
4. Avenue plantation and plantation on both sides of the haulage road in consultation with/ on the advice of concerned Forest Department, Government of Odisha & W.R. Department Government of Odisha as well.
5. Stone patching with plantation in between along the stretch of the bank associated with sand mining and necessary ramp construction shall be made.
6. In view of the likely revision of DSR for Ganjam District in future the details of this Minor Mineral reserve to be ascertained in the revised DSR.
7. In view of the difference commonly found in sand deposits, the determination of Mining lease by local Tahasildar considering the Dimensions like average length, breadth and height of the deposit to be re-ascertained by the Revenue Department and RQP for final exploitation of sand and higher revenue for the state of Odisha.
8. All the provisions of Sand Policy of Govt. Of Odisha Dtd 2.09.2021 to be followed for this sand mining project.

ITEM NO. 08

PROPOSAL FOR ENVIRONMENTAL CLEARANCE OF M/S PREMEX FOR TENTUAPADA SAND QUARRY OVER AN AREA OF 5.666 HA. LOCATED AT KHATA NO. 324, PLOT NO. 1603, 1665 & 1666, VILLAGE - TENTUAPADA, TAHASIL - DIGAPAHANDI, DISTRICT - GANJAM WITH PROPOSED EXCAVATION OF 5250M³/YEAR OF SAND OF SRI PRAVA RANJAN MISHRA (PARTNER) – EC

1. The proposal is for Environmental Clearance for Tuntuapada Sand Quarry over an area of 5.666 Ha. located at Khata No. 324, Plot No. 1603, 1665 & 1666, Village - Tuntuapada, Tahasil - Digapahandi, District - Ganjam with proposed excavation of 5250m³/year of sand of Sri Prava Ranjan Mishra (Partner).
2. The project falls under category “B1” or activity 1 (a) – Mining of Minerals projects under EIA Notification dated 14th September 2006 as amended from time to time.
3. The lease was granted to M/s. Premex, Prava Ranjan Mishra, Tuntuapada Sand quarry, Village- Tuntuapada, Dist – Ganjam, State- Odisha.Vide Letter No.: 4810, dated 08.08.2018 from Tahsildar cum-Competent Authority Digapahandi, Odisha.
4. The mining plan was approved by Deputy Director of Geology, Berhampur vide Memo No: 274/sz dated 12.03.2019.
5. Terms of Reference (TOR), was issued by SEIAA, Odisha, vide proposal Letter Ref. No.8999/SEIAA, dated 08 .09.2020.
6. The public hearing has been conducted on 21.12.2021 at Batya Ashrayasthali Building at Dhanarasi (Plot No. 370 & 371, Khata No. 192/79 Mouza Dhanarasi) in the district of GanjamOdisha.
7. **Location and Connectivity** – The lease area location, Khata No: 324, Plot No: 1603,1665,1666, At: Tuntuapada, Tahasil: Digapahandi, Dist: Ganjam, Odisha State

comes under 74A/12 survey of India ,Topo sheet. The coordinates of lease area are Latitude: 190 14' 09.4" N to 190 14' 17.5" and Longitude: 840 32' 09.7"E to 840 32' 24.8"E. The mine will generate employment of the local people. The mine lease area is connected to Nearest state highway is SH-17 at a distance of 10 km in SW. Nearest Railway line is at Berhampur Railway Station at a distance of 30 Km in SE. The nearest Airport is Bhubaneswar Airport at a distance of 155 km

8. **Reserves and Proposed Production** – The geological reserves are 113320 Cum and Mineable reserves are 92506 Cum. The proposed production is 5250 cum /year or 25800 TPA of Sand.
9. **Basic Requirements For The Project**
10. **Manpower:** About 13 persons will be given employment to the people of nearby villages.
11. **Water Requirement:** There is requirement of approx. 3.0 KLD water for this project. 0.5 KLD will be for drinking/domestic purpose, 0.5KLD for green belt and 2.0KLD from dust suppression which will be sourced from the nearby available water tanker.
12. **Mining Method:** Mining will be done by manual method. Since the depth of sand deposit is 2m, excavator, handpicks, spade, hand shovel will be used by laborers for extracting & loading of sand. The proposed mined out areas will gradually get filled up by river sands transported with water from upstream direction.
13. **Baseline Study:** Baseline data on ambient air quality, water quality, noise level, soil, flora and fauna site-specific meteorological data have been collected during 1st Oct 2020 to 31st Dec 2020.
14. During public hearing of this project various issues raised were -
 - ✓ Sand deposits in the riverbank acts as protection wall during flood and if same will be mined out then villagers will face disaster during flood.
 - ✓ Local employment.
 - ✓ Sand mining shall not be allowed from Dhoba Sahi Masani of Tentupada village to Sagadia Sahi.
 - ✓ Heavy vehicles shall not be deployed for sand transportation.
15. **Greenbelt Development:** Plantation will be done in safety zone of lease area. About 125 numbers of trees will be planted with consultation with the local authorities.
16. **Project Cost Estimation:** The estimated cost of the project is Rs. 10.0 lakh.
17. **The Environment consultant M/s Green Circle. INC. Vadodara - 390021 (Gujarat)** along with the proponent has made a presentation on the proposal before the Committee.

Considering the information / documents furnished by the proponent and presentation made by the consultant **M/s Green Circle. INC. Vadodara - 390021 (Gujarat)**, the SEAC recommended for grant of Environmental Clearance for the proposal valid up to lease period with stipulated conditions as per **Annexure – B** in addition to the following specific conditions.

1. Revised mining plan shall be prepared based on essential physical criteria as per Enforcement and Monitoring Guidelines for Sand Mining, January 2020 of MoEF&CC, Govt. of India enclosed as **Annexure - C**. Lay out of Progressive Mine Closure Plan shall also be incorporated in the Revised Mining Plan.

2. Regular replenishment study to be conducted and report to be submitted.
3. Provision of Bio-toilet shall be made at the site.
4. Avenue plantation and plantation on both sides of the haulage road in consultation with/ on the advice of concerned Forest Department, Government of Odisha & W.R. Department Government of Odisha as well.
5. Stone patching with plantation in between along the stretch of the bank associated with sand mining and necessary ramp construction shall be made.
6. In view of the likely revision of DSR for Ganjam District in future the details of this Minor Mineral reserve to be ascertained in the revised DSR.
7. In view of the difference commonly found in sand deposits, the determination of Mining lease by local Tahasildar considering the Dimensions like average length, breadth and height of the deposit to be re-ascertained by the Revenue Department and RQP for final exploitation of sand and higher revenue for the state of Odisha.
8. All the provisions of Sand Policy of Govt. Of Odisha Dtd 2.09.2021 to be followed for this sand mining project.

ITEM NO. 09

PROPOSAL FOR ENVIRONMENTAL CLEARANCE OF M/S UTKAL STONEX (P) LTD. FOR UTTAR BRUNDABAN CHANDRAPUR DECORATIVE STONE DEPOSIT OVER AN AREA 5.40 ACRES OR 2.185 HECTARES IN VILLAGE - BRUNDABAN CHANDRAPUR, TAHASIL – KHUNTA, DISTRICT - MAYURBHANJ OF SRI YOGESH PATEL (DIRECTOR) - EC

1. The proposal is for Uttar Brundaban Chandrapur Decorative Stone Deposit over an area 5.40 acres or 2.185 Hectares in Village - Brundaban Chandrapur, Tahasil – Khunta, District - Mayurbhanj of Sri Yogesh Patel (Director).
2. The project falls under category “B2” (Lease area < 5.0 Ha) or activity 1 (a) – Mining of Minerals projects under EIA Notification dated 14th September 2006 as amended from time to time.
3. Letter of Intent has been granted in favour of M/s. Utkal Stonex Pvt. Ltd. for Uttar Brundaban Chandrapur Decorative Stone Mines over an area of 2.185 ha. for a period of 30 years vide letter no.214/SM, of dated:06.01.2020 of Dept. of Steel & Mines, Govt. of Odisha.
4. Mining Plan is approved on 11.06.2021 by Directorate of Mines, Govt. of Odisha vide letter no. MX XII-(a)-17/2020 4372/DM of dated:11.06.2021.
5. The entire Mining Lease area of 2.185 hectares comprises of non forest land.
6. **Location and Connectivity** - The project area is bounded by Latitude 21039’08” to 21039’13” N Longitude: 86037’28” to 86037’28”E and featured in SOI Toposheet No. 73 K/10 (F45O10).The area is situated at 69.5 m to 90.5 m AMSL. Khunta Tahasil head quarter is situated at a distance of 8 kms from the project site. The nearest National highway Chennai-Kolkatta (NH 18) at a distance of 24 kms. The nearest Railway station at Betnoti at a distance of 25 kms. Similipal National Park is at a distance of 13 Kms from the site at Kundabai., Khunta RF is at a distance of 4.4 Kms from the site at Kendumundi and Paturikata RF is at a distance of 2.6 Kms from the


site at Rajgonj.No wildlife or archeological sensitive area exist within 10 kms of project site.The nearest education and health facility available at Udala at a distance of 11 kms.

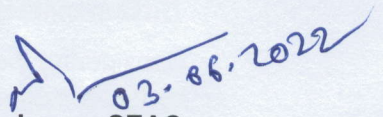
7. **Reserves and Production** - The production capacity of the quarry as per Mining plan approved is 4966 cum in 5 years. The geological and mineable reserves of Uttar Brundaban Chandrapur Decorative Stone Deposit is 52373 cum and 28163 cum respectively. Mining is proposed by opencast and semi mechanized method with the deployment of machines like Jack Hammer Drill, Compressor, Hydraulic Excavators & Tippers. The decorative stone blocks will be extracted, loaded and transferred from a quarry face to the stone cutting shop/processing plant/port through trailers/lorries/ trucks.
8. Total waste generated during the plan period from the mines would be 38740 cum which shall be dumped in over an area of 0.221 hectares in the south-eastern part of the lease area.
9. **Water Requirement** - Total water requirement for the project will be 2 KLD and source will be from bore well exist nearby village.
10. **Greenbelt** - The plantation will be done over an area of 0.335 Ha in the lease boundary and open spaces available.
11. **Employment Potential** - Total 26 nos man power is needed for the project.
12. The cost of the project is 2 Lakhs.
13. The Environment consultant **M/s Envomin Consultant (Pvt.) Ltd., Bhubaneswar** along with the proponent has made a presentation on the proposal before the Committee.

Considering the information / documents furnished by the proponent and presentation made by the consultant **M/s Envomin Consultant (Pvt.) Ltd., Bhubaneswar**, the SEAC decided to take decision on the proposal after receipt of the following information / documents from the proponent.

- i) Dump management with detail calculations of waste utilization / inventory / sale including its chemical composition and safety management of dump to avoid slope failure of dump.
- ii) Water management with details of rain water harvesting, its design & calculation along with zero discharge plan be submitted.
- iii) Silt management including procedure for silt management for de-silting of surrounding water body(s) / Agricultural land be submitted.
- iv) Reduction in cutting of tress and promote transplantation of tress on safety zone.
- v) NOC from the concerned BDO for use of Panchayat/ village road for transportation of minerals.
- vi) Certificate from the concerned Mining Officer that there is no other decorative mines within 500 meters from the boundary of the lease area.
- vii) Certificate from the concerned DFO that there is no DLC land involved in the lease area.
- viii) In view of the likely revision of DSR for Mayurbhanj District in future the details of this Minor Mineral reserve to be ensured in the revised DSR.

- ix) Due to non-availability of exploration data, increase in production if any to be complied.
- x) Map showing environmental sensitive places near to lease.
- xi) CSR activities to be approved by district administration.
- xii) Plantation programme to be completed within one year and to be maintained in remaining years.
- xiii) Provision of STP of small capacity since about 30 people will be working.
- xiv) To indicate the physical features with reference to particularly water bodies and Agricultural lands within 10 km radius.
- xv) Proposed CSR activities to be in consultation with District Administration.


Secretary, SEAC

Approved

Chairman, SEAC

ANNEXURE-A

TERMS OF REFERENCE FOR CONDUCTING ENVIRONMENT IMPACT ASSESSMENT STUDY AND INFORMATION TO BE INCLUDED IN EIA/EMP REPORT FOR M/S JAI PRAKASH HOSPITAL & RESEARCH CENTRE PVT. LTD. FOR REGULARIZATION OF B+G+5 HOSPITAL BUILDING & AMPHITHEATRE OVER AN AREA BUILT UP AREA 21992.01SQM LOCATED AT – BRAHMANI TARANG, ROURKELA, DIST – SUNDARGARH, ODISHA OF SRI SANJAY BANSAL (DIRECTOR) - VIOLATION TOR.

1. Project description, its importance and the benefits,
2. Project site details (location, toposheet of the study area of 10 km, coordinates, google map, layout map, land use, geological features and geo-hydrological status of the study area, drainage),
3. Land use as per the approved Master Plan of the area, Permission/approvals required from the land owning agencies, Development Authorities, Local Body, Water Supply & Sewerage Board, etc,
4. Land acquisition status, R&R details,
5. Forest and Wildlife and eco-sensitive zones, if any in the study area of 10 km - Clearances required under the Forest (Conservation) Act, 1980, the Wildlife (Protection) Act, 1972 and/or the Environment (Protection) Act, 1986,
6. Baseline environmental study for ambient air (PM₁₀, PM_{2.5}, SO₂, NO_x & CO), water (both surface and ground), noise and soil for one month (except monsoon period) as per MoEF&CC/CPCB guidelines at minimum 5 locations in the study area of 10 km,
7. Details on flora and fauna and socio-economic aspects in the study area
8. Likely impact of the project on the environmental parameters (ambient air, surface and ground water, land, flora and fauna and socio-economic, etc),
9. Source of water for different identified purposes with the permissions required from the concerned authorities, both for surface water and the ground water (by CGWA) as the case may be, Rain water harvesting, etc,
10. Waste water management (treatment, reuse and disposal) for the project and also the study area,
11. Management of solid waste and the construction & demolition waste for the project vis-a-vis the Solid Waste Management Rules, 2016 and the Construction & Demolition Rules, 2016,
12. Energy efficient measures (LED lights, solar power, etc.) during construction as well as during operational phase of the project,
13. Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.

Environmental Scientist, SEAC

14. Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
15. The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.
16. **The prescribed TOR would be valid for a period of four years for submission of the EIA/EMP report.**

STANDARD ENVIRONMENTAL CLEARANCE CONDITIONS TO BE STIPULATED IN ENVIRONMENTAL CLEARANCE FOR SAND MINING

Stipulated Conditions:

1. The project proponent should carry out River bed sand mining manually by engaging local laborers in force to check over exploitation of sand at the source.
2. Any change in the plan or quantity to be produced shall require prior approval of SEIAA.
3. There shall be a 'no working zone' to protect the embankment on both sides, road or rail bridge in the vicinity, if any, dam, weir, water intake structure of irrigation or drinking water project, or any cross drainage structure. 10 % of the width of river shall be left intact along the embankments on both sides as 'no mining zone'. Further, no mining shall be allowed within 200 m of any existing structures dam, weir, water intake structure of irrigation or drinking water project, or any cross drainage structure. In case of River Bridge, this no mining zone shall extend upto a minimum stretch of 200 meters from the bridge and it may extend upto 500 meters in sensitive locations. The lease area shall be accordingly curtailed to carve out the actual sand mining area within the leasehold. Exact map of the lease area, and the 'no mining zone' shall be drawn to scale, showing the DGPS coordinates of all corner points, and the location of the bridge, embankment, extraction route & other structures; and such map has to be submitted to SEIAA by the project proponent through the Tahasildar within three months of the date of issue of the EC. The quantum of sand allowed to be extracted will be worked out on the basis of the actual working area.
4. The lease area and the actual working area shall be demarcated on the ground by erecting durable masonry /concrete pillars by the project proponent.
5. The project proponent shall take prior statutory and regulatory clearance as required from the concerned authorities in respect of the project, before carrying out any operation.
6. Mining is not permissible within the water channel or stream flow area. No stream shall be diverted for the purpose of mining and no natural water course shall be obstructed. The mining or any ancillary activity shall not in any way disturb the flow pattern of the river water during the non monsoon period. There shall be no sand mining in the river during the rainy season or when there is flow of water in the river.
7. Sand mining operations shall not affect the existing sources for irrigation / drinking water / industrial purpose.
8. The natural sand dunes, if any, near or surrounding the lease area shall not be disturbed.
9. No transportation of the minerals shall ordinarily be allowed on any road passing through villages/habitations/forest land without prior explicit permission. Transportation

of minerals through existing rural roads can be allowed only by the concerned Govt. Department/BDO and only after required strengthening, such that the carrying capacity of road is increased to handle the sand truck traffic. The project proponent shall bear the cost towards the widening and strengthening of existing public roads in case the same is proposed to be used for the project. No movement on any road is allowed on existing village road network without appropriately increasing the carrying capacity of such roads. Project proponent shall ensure that the road may not be damaged due to transportation of the mineral and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and traffic density. Plying of sand extraction trucks may be allowed on roads / path ways passing close to schools, temples, hospitals and such other public places only with prior written permission of competent authority.

10. Vehicles hired for transportation of sand from the site should be in good condition and should have pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
11. The vehicles shall not be overloaded and shall be covered with Tarpaulin. The Tahasildar may collect an appropriate road maintenance levy from the lessee as part of the lease conditions on the basis of quantum of sand transported, and utilize the proceeds of the levy for proper maintenance of the extraction paths and roads to prevent their degradation on account of plying of sand trucks.
12. The project proponent shall take all precautionary measures against causing damage to flora and fauna of the locality. The PP shall plant and nurse to full establishment a minimum of 50 number of saplings of native tree species along the approach roads, river banks and in community areas in consultation with the Gram Panchayat.
13. Water spray should be made on the road/extraction paths to control dust emission during transportation of sand.
14. The Project Proponent shall undertake phased restoration, reclamation and rehabilitation of land affected by mining and completes this work before abandonment of mine.
15. Environmental Management Plan (EMP) shall be implemented by PP to ensure compliance with the environmental conditions specified above. The year wise funds earmarked for environmental protection measures shall be kept in separate account and shall be spent according to the plan proposed. Year wise progress of implementation of EMP shall be reported to the SEIAA, Odisha and OSPCB along with the compliance report.
16. The proponent shall take necessary measures to ensure that there is no adverse impact of the mining operations on the human habitation if any, existing nearby.
17. It shall be mandatory for the project management to submit quarterly compliance reports on the status of implementation of the above stipulated environmental safeguards to the SEIAA, Odisha / SPCB, Odisha/ Regional Office of the MoEF&CC, Bhubaneswar, in hard and soft copies on 1st day of January, April, July, October of each calendar year, failing which EC is liable to be revoked.

18. River Bank stabilization shall be made through stone patching. Plantation of adequate number native species on river banks and both sides of haulage roads shall be made.
19. Since NH200, Kuccha Road and temple are only at a distance of 800 mtr, 570 mtr and 500 mtr respectively, all traffic safety measures shall be taken to avoid any kind of accidents.
20. Bio - toilet provision shall be made.
21. As raised during public Hearing and committed by PP, Loknathpur Sasan village road shall not be used for transportation of sand.
22. Stone patching on river bank with plantation in-between and the ramp construction shall be done in consultation with and advice of concerned W.R.Deptt, Government of Odisha.
23. Necessary sprinkling on Haulage Road and Avenue plantation shall be done.
24. At the end of mine closure, the proponent shall immediately remove all the sheds put up in the quarry and all the equipment in the area before closure of the quarry.
25. The conditions stipulated in the environmental clearance will be closely monitored on the ground by the lease granting authority, i.e. the Tahasildar, who shall ensure compliance of the stipulated conditions and take corrective measures promptly in case of any non- compliance and also ensure that the project proponent submits quarterly compliance reports.
26. The concerned Regional Office of the MoEF&CC/ SPCB, Odisha shall periodically monitor compliance of the stipulated conditions as applicable for this project. The project authorities should extend full cooperation to the MoEF&CC officer(s)/SPCB officer(s) by furnishing the requisite data / information / monitoring reports.
27. A copy of the clearance letter shall be sent by the proponent to concerned Gram Panchayat /Panchayat Samiti /Zilla Parisad /Municipal Corporation / Urban Local Body as the case may be.
28. Project proponent shall obtain Consent to Operate from the OSPCB and effectively implement all the conditions stipulated therein. The mining activity shall not commence prior to obtaining Consent to Establish / Consent to Operate from the State Pollution Control Board.
29. The SEIAA, Odisha may revoke or suspend this EC, if implementation of any of the above conditions is not satisfactory. The SEIAA, Odisha reserves the right to alter /modify the above conditions or stipulate any further condition in the interest of environment protection.
30. The Project Proponent (lease holder) shall inform the SEIAA of any change in ownership of the mining lease. In case, there is any change in ownership or mining lease is transferred, then mining operation can be carried out only after transfer of EC as per provisions of the para 11 of EIA Notification, 2006, as amended from time to time.

31. Concealing any factual information or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this environment clearance besides attracting penal provisions in the Environment (Protection) Act, 1986.
32. The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/ High Court and any other Court of Law relating to the subject matter.
33. This Environmental Clearance (EC) is subject to orders/judgment of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, Common Cause Conditions as may be applicable.
34. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under section 16 of the National Green Tribunal Act, 2010.

Annexure - C

ESSENTIAL PHYSICAL CRITERIA AS PER ENFORCEMENT AND MONITORING GUIDELINES FOR SAND MINING, JANUARY 2020 OF MOEF&CC, GOVT. OF INDIA

Sl. No.	Essential Criteria	Reference
1.	“No Mining Zone”: 1/4th the part of the river width (excluding 3/4th the central part of the river width) on both sides of the river towards the river bank	4.1.1 (Para - e) Page - 16
2.	a) Distance between two clusters : ≥ 2.5 km b) Area of mining lease area in a cluster: ≤ 10 ha.	4.1.1 (Para - k) Page - 19
3.	Concave River Bank : No extraction of sand	
4.	No mining if a) Upstream: Lease is 1 km from major Bridge and high ways or $5(x)$ of the Bridge / public civil structure / water intakes point subject to lease is located at a minimum 250 meter distance. Where x = Span of the bridge. b) Downstream side: Lease is 1 km from the major bridge and Highways Or $10x$ of the bridge / public civil structure / water intake point Subject to lease is located at a minimum distance of 500 meter where x = span of the bridge	4.3 (Para - h) Page - 23
5.	Mining depth : ≤ 3 meter (maximum 3 meter)	4.3 (Para - m) Page - 24
6.	Mining distance from river bank: $1/4^{\text{th}}$ of the river width, But subject to not less than 7.5 meter	4.31 (Para - m) Page - 24
7.	Area for removal of minerals : $\leq 60\%$ of mine lease area	4.3 (Para - s) Page - 25
8.	Minable sand per ha. Available for actual mining : $\leq 60,000$ MT/Annum	
9.	Regular replenishment study and replenishment rate	