

**PROCEEDINGS OF THE MEETING OF STATE LEVEL EXPERT APPRAISAL  
COMMITTEE, ODISHA HELD ON 17<sup>th</sup> July, 2020**

---

The SEAC met on 17<sup>th</sup> July, 2020 at 11:00 AM through video conferencing in Google Meet under the Chairmanship of Sri. B. P Singh. The following members were present in the meeting.

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

The agenda-wise proceedings and recommendations of the committee are detailed below.

**ITEM NO. 01**

**PROPOSAL OF ENVIRONMENTAL CLEARANCE OF ROURKELA SMART CITY LIMITED FOR CONSTRUCTION OF ROURKELA ONE (COMMAND AND CONTROL CENTRE, AUDITORIUM, CONVENTION CENTRE AND TRIBAL MUSEUM) AT – ROURKELA, ODISHA UNDER SMART CITY MISSION (BUILT UP AREA - 26956.71 SQMT) OF SRI YEDDULA VIJAY (CHIEF EXECUTIVE OFFICER) - EC**

1. This is a proposal for Environmental Clearance of M/s. Rourkela Smart City Limited for construction of Rourkela one centre project (Command and Control Centre, Auditorium, Convention Centre and Tribal Museum) at Rourkela, Odisha under Smart City Mission with total built up area - 26956.71 m<sup>2</sup>.
2. The Rourkela one centre is proposed on a vacant land of 8.43 acres in the western part of the Rourkela smart city ABD area boundary near the Hockey Chowk on the Link road connecting Rourkela Barkote Road and Ring Road. The land is under the ownership of Rourkela Municipal Corporation (RMC).
3. This proposed " Rourkela one centre " project comes under Building and Construction projects under schedule 8(a) of the EIA Notification dated 1st December, 2009 – S.O.3067 (E) - Amendment of EIA Notification dated 14th September, 2006).
4. The project site will house: **Command and Control Centre** – Provide Government Services such as birth / death registration, property tax collection, etc.; City Surveillance, Disaster Management & Response, Data Recovery, etc. **Auditorium and Conventional Centre** – Showcasing local tradeshows, meetings, yoga and other recreational activities. **Tribal Museum** – Showcasing the tribal culture, craft exhibition to promote and preserve tribal & folk arts. **Common Basement Parking Facility** under CCC building and Auditorium & Convention Centre.
5. Total land area of the project is 34,111 m<sup>2</sup> or 8.43 Ac. and Ground Coverage area is 6,915 m<sup>2</sup> (20.3% of Plot Area). Total Built Up Area: 26956.71 m<sup>2</sup>. Max. Height of Building 22 m.
6. The proposed site is located at Mouza: Rourkela, Tahasil: Rourkela, District- Sundargarh, Odisha. The Geographical co-ordinate of the project site is: Latitude : 22° 13' 22.58"N Longitude : 84°48' 32.05"E.covering in Topo Sheet No.F45G16

7. The project area is 0.6 km. from NH-143. The nearest airport is Veer Surendra Sai Airport which is 114 km away from the project site. Panposh railway station is 1.3 km away from the project site. Brahmani River is about 0.8 km from the project boundary. Reserve forest nearby are Butukpiri Reserve Forest 2.92 km away and Durgapur Reserve Forest 1.58 km away.
8. **Meteorology:** The temperature of Rourkela varies between 46.3° C during summer (April - July) to 7° C during winter (November to January). The humidity is high in the summer months. The wind flows in summer from south west with a speed of 35- 40 km/hr and in winter season from north east with a speed of 18-24 Km/hr. The annual average rainfall is 128.8 cm..
9. The Building Details Of The Project:

| Particulars                                     | Existing | Proposed |
|---|----------|----------|
| Tribal Museum (G+2)                             | 1747     | 4481     |
| Auditorium & Convention Centre (G+2)            | 4352     | 9542     |
| Command & Control Centre (G+5)                  | 815      | 4360     |
| Basement (Utility Services and 235 ECS parking) | 8574     | 8574     |

10. The construction proposed shall be barrier free by provision of ramps and elevators. The proposed site plan is planned along the diagonal imaginary axis which connects the Open-Air Theatre in the North-west and the Auditorium and Convention Centre in South-east extended to the recreation space and plazas in the same direction. The overall site plan is symmetrical along this axis.
11. The Command and Control Centre in the South-west shall be **G+5 RCC** building with a segregation of space and activities floor-wise.
12. The central **1350** capacity Auditorium and Convention Centre will be shared by all buildings thus it is placed in the center connected to other buildings in periphery with radial roads / axis. Acoustic treatment of walls is proposed for Auditorium which bar the noise from going out during event days.
13. The Tribal Museum proposed building form is inspired from the conch shell, the building is placed in the North-East location of site adjacent to the central axis. The proposed building is of **G+2** floors.
14. The circulation within is planned in the form of a circular ring road running through the periphery of the site and catering to all the components of the site by radial roads. Clockwise movement has been proposed within site. The internal roads are proposed to be of 6m width. The total internal road length within the Rourkela One Complex is 1085m (1.1 km).
15. **Power Requirement:** The daily power requirement for the proposed complex is preliminarily assessed as 2.12 MVA source by WESCO existing overhead 33kV line. 2 Nos. of 625kVA DG set with Synchronizing panel for CCC, 1 No. of 750kVA DG set with AMF panel for Auditorium & Conventional Centre, 1 No. of 600kVA DG set with AMF panel for Tribal Museum buildings. Solar roof top system, to be taken up in a separate tender, ensuring usage of green energy shall be provisioned to meet atleast 10% of the energy demand.
16. **Water Requirement:** Fresh make up of 84 m<sup>3</sup>/day will be required for the project which will be sourced from PHED, Rourkela. The existing water requirement of the project is 108.55KLD, out of which 72.89KLD of treated water from in house STP will be reused. The freshwater demand of 35.66KLD will be met from water supply department of PHED. Dual piping system for usage of recycled water has been provisioned

17. Rain Water will be harvested through 2 no. of recharging pits.
18. **Firefighting Installations:** Firefighting system will be installed as per recommendation of the Firefighting Officer, Odisha and as per the guideline of NBC (part-4).
19. **Solid Waste Management:** Total solid waste generation is 1.18 kg/day. Biodegradable/ Compostable waste generation will be 0.708 kg/day. Solid waste shall be stored in separate garbage bin and send to approved recyclers. Around 73.1 kg/day of STP sludge will be generated.
20. Parking space equivalent to 290 Equivalent Car Space (ECS) is provided of which 235 ECS is in basement and 55 ECS is on surface parking.
21. The total green area provided for the project is around 11240 Sqm i.e, approximate 34% of total plot area.
22. The project cost is Rs.116.76 Crores including taxes.
23. The Environment Consultant **M/s Tata Consulting Engineers Ltd.** along with the proponent made a detailed presentation on the proposal before the Committee.

Considering the information / documents furnished by the proponent and presentation made by the consultant, the SEAC decided to take decision on the proposal after receipt of the following information / documents from the proponent followed by the site visit of the sub-Committee of SEAC.

- (i) Certificate from concerned DFO, to verify the status of land (Forest / Non-forest).
- (ii) Percentage of green cover/greenbelt excluding landscape green coverage, showing also the coverage dimensionally along side the boundary.
- (iii) Detailed information regarding Public and semi-public use.
- (iv) Land schedule indicating plot no. and khata no. with kissam of land.
- (v) Detail Parking Area calculation w.r.t to total no. of visitors and the basis of ECS in reference to maximum number of visitors on any occasion and provision of parking area. Adequacy of parking space keeping in view max visitors to be justified.
- (vi) Detailed design and specification of STP with provision of buffer in design capacity.
- (vii) Detailed layout of existing and proposed drains and Storm Water Management.
- (viii) Details of model followed in Traffic Density Study of the project and comparison of the result of the study with reference to standard norms of the model chosen.
- (ix) Width of entry and exit shall be provided with justification during maximum visitors.
- (x) Revised layout showing DG sets location w.r.t wind direction
- (xi) Revised water balance for monsoon period and quantity of treated water to be discharged to drain.
- (xii) Detailed usage of water in Irrigation.
- (xiii) Details of Rain water harvesting. Adequacy of two rain water harvesting pits for project shall be explained. It will be desirable to have more rain water harvesting pits.
- (xiv) Detailed usage of solar/ renewable energy (percentage wise).
- (xv) Copy of approval letter along with approved building plan of Rourkela Development Authority.

**ITEM NO. 02**

**PROPOSAL OF ENVIRONMENTAL CLEARANCE FOR PROPOSED HOUSING PROJECT (RESIDENTIAL USE TYPE) OF OVER AN AREA 3.3621 SQ.MTS OF M/S UTKAL BUILDERS LIMITED AT PATRAPADA, BHUBANESWAR, DIST- KHORDHA OF SRI SHARAD BAID (EC).**

1. This is a proposal for Environmental Clearance of M/s. Utkal Builders Limited for Proposed Housing Project (Residential Use Type) of over an area 3.3621 m<sup>2</sup> at Patrapada, Bhubaneswar, Dist-Khordha of Sri Sharad Baid.
2. M/s Utkal Builders Ltd. has proposed for Development of Private Housing Project in area of 2.191 Acres of land in Plot No.: 336/2120, 336/3046, 336/3035, 336/2764, 336, 336/3221, 334/2272 Khata No- 703/362, 703/1499, 703/1496, 703/1222, 703/2256, 703/1720, 703/559, Near NH-16 Road, at Mouza -Patrapada, Bhubaneswar, Odisha-751019
3. The Proposal is for Environmental Clearance for proposed Construction of B+S+17 Storied Residential Building & LB+UB+G+3 Club building. The site co-ordinates are as follows: Latitude- 20° 14' 44.81" N & Longitude - 85° 46' 32.78". The project site is well connected with National Highway-16 (Jharpokharia-Chennai Road). The nearest railway station is Bhubaneswar Railway station at a distance of approx 10.6 Km in South West direction. The nearest airport is Biju Pattnaik Airport Bhubaneswar at a distance of approx. 13.4 Km in South-West direction from project site. The site is located adjacent to the local landmarks, Haridaspur Mosque, Jagannath Temple, Pahala Etc. There is no structure or encroachments on the site. The site is easily accessible from NH-05 Road. The site is located adjacent to the local landmarks such as Arya School of Management & Information Technology, Aspire training academy, DDHB Phase-I Masjid Etc
4. **Meteorology:** The maximum temperature is about 36.0° C and the minimum temperature is 16.0° C felt in the area. The average annual rainfall in the area is 1326.16 mm.
5. The detailed Area Statement is provided below in Table:

| Sl. No. | Particulars                 | Area (in m <sup>2</sup> )               |
|---------|-----------------------------|---|
| 1       | Plot Area                   | 8866.66 m <sup>2</sup>                  |
| 2       | Total Built up area         | 33621.35 m <sup>2</sup>                 |
| 3       | Total FAR Area              | 24382.82 m <sup>2</sup>                 |
| 4       | Kissam of land              | Gharabari                               |
| 5       | Ground Coverage             | 3015 m <sup>2</sup> (34 % of plot area) |
| 6       | Built Up Area (Residential) | 26726.55 m <sup>2</sup>                 |
| 7       | Built Up Area (Commercial)  | 6046.76 m <sup>2</sup>                  |
| 8       | FAR                         | 2.74                                    |
| 9       | Maximum height of building  | 59 m                                    |
| 10      | Road & Paved Area           | 2483 m <sup>2</sup>                     |

**Requirement for the project:**

6. **Water requirement:** Fresh make up of 103.0 m<sup>3</sup>/day will be required for the project which will be sourced from Ground water. Waste water of 131.4 KLD will be treated in a STP of 140 KLD capacity, which includes primary, secondary and tertiary treatment. After treatment the treated water will be discharge to the Near Drain.
7. **Power requirement:** The daily power requirement for the proposed building is preliminarily assessed as 1188 KW (Solar System- 66.3 KW (5.5%) & CESU – 1121.7 KW). In order to

meet emergency power requirements during the grid failure, there is provision of 2 nos. of DG set having 500 KVA capacities for power back up in the proposed Building Project.

8. **Rain Water Harvesting:** Rain Water will be harvested through 6 nos. of recharging pits.
9. **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).
10. **Green Belt Development:** Green belt will be developed over an area of 1,793.52 sqm which is 20.23 % of the plot area; by using the local species like Neem, Karang, Golden Champa, Bakul, Bela, Bottle Palm, Cheekoo, Guava etc.
11. **Solid Waste Management:** From the residential complex solid waste will be generated @ 0.45 kg/person/day, which will be about 337.5 kg/day. The generated solid waste from the residential complex will be segregated as biodegradable and non-biodegradable. This will be collected in separate coloured dustbins. Proper waste management practices will be adopted during the collection, storing and disposal of the generated solid waste.

Waste generated from Commercial people will be @ 0.15 kg/capita/day, which will be about 165.0 kg/day. The waste generated from floating population in residents will be @ 0.15 kg/day, which will be 12 kg/day. Solid waste from sweeping and Dry Garbage containing non-biodegradable wastes like polythene bags, metal, ceramic Waste, glass etc. shall be stored in separate garbage bin and send to approved recyclers. Around 47.8 kg/day of STP sludge will be generated.

|   |               |
|---|---------------|
| Solid Waste from Residential Population | 337.5 kg/day  |
| Solid Waste from Commercial Population  | 165.0 kg/day  |
| Solid Waste from Floating Population    | 12.0 kg/day   |
| STP Sludge                              | 65.59 kg/day  |
| Total Solid Waste Generation            | 580.09 kg/day |

12. **Parking Area** - Parking space allotted is 8776.49 sqm. Total parking space equivalent to 259 (ECS) is provided out of which 128 ECS is for residential complex and 131 ECS is for commercial complex.
13. The estimated project cost is ₹ 40 Cr. and Environment Management Cost ₹ 2.2 lakhs.
14. Total Population- Residential, Floating/visitors – 830 nos. and Commercial, Floating/visitors – 1100 nos.
15. The project proponent along with the environment consultant **M/s Centre for Envotech & Management Consultancy Pvt. Ltd., Bhubaneswar** made a detailed presentation before the SEAC.

Considering the information / documents furnished by the proponent and presentation made by the consultant, the SEAC decided to take decision on the proposal after receipt of the following information / documents from the proponent followed by visit of Sub-Committee of SEAC to the proposed site.

- (i) Distance of the project boundary from NH and details of approach road to NH.
- (ii) Distance of municipal drain from the proposed site.
- (iii) Distance from Eco-Sensitive Zone of Chandaka Dampada Sanctuary. A certificate of concerned DFO to this effect is to be submitted.
- (iv) Calculation of stack height of DG set is to be provided with sketch of the installation of the DG set at location (not to scale).

- (v) Adequacy of parking space in commercial portion to be justified.
- (vi) Entry and exit of residential portion and commercial portion shall be shown clearly in the building plan without any overlap.
- (vii) Proposal for PHED water supply in future.
- (viii) Soil testing report of the area to be submitted and measures taken if it is in low lying areas / flood prone area.
- (ix) Detailed solid waste management other than organic waste.
- (x) Detailed e-waste management.
- (xi) Land schedule and kissam of land.
- (xii) Construction and demolition waste management.
- (xiii) Detailed revised water balance both for commercial and residential purpose.
- (xiv) Copy of application submitted to CGWA for permission for drawal of ground water.
- (xv) Status of building approval by BDA. Copy of approval letter along with approved building plan if approved by the BDA.
- (xvi) Copy of drainage plan vetted by the Planning Member, BDA.

**ITEM NO. 03**

**PROPOSAL OF ENVIRONMENTAL CLEARANCE FOR PAIKADAKULGUDA SEMI PRECIOUS GARNET STONE MINES (CAT'S EYE) OVER AN AREA OF 40.946 HA. IN VILL. PAIKADAKULGUDA & KANDHADAKULGUDA, TAHASIL: BISAM CUTTACK, DIST RAYAGADA OF SRI BIJAY KUMAR BANSAL (TOR ISSUED VIDE LETTER NO. 955/SEAC-159, DATED 19.11.2018) (EC)**

1. The proposal is for Environmental Clearance of Paikadakulguda Semi Precious Garnet Stone Mines (Cat's Eye) over an area of 40.946 Ha. in Vill. Paikadakulguda & Kandhadakulguda, Tahasil: Bisam Cuttack, Dist Rayagada of Sri Bijay Kumar Bansal.
2. This is a proposal for gemstone mining project with production capacity of 41 kg / annum gemstone over mining lease of 40.946 ha.
3. The grant of mining lease for semi-precious stone (Cat's Eye) in favour of Sri Bijay Kumar Bansal in villages Paikadakulguda and Kandhadakulguda for a period of fifty (50) years vide letter No.250/SM, Bhubaneswar dated 07.01.2017. Subsequently, the precise area map along with Boundary description & Land schedule of the granted area has also been issued to the lessee letter No. 2108 dated 29.05.2008, Department of Steel and Mines, Govt. of Odisha, Bhubaneswar.
4. Previously, the mining lease area over 41.485 hectares was granted in favour of Sri Bijay Kumar Bansal vide grant proceeding No.9245 / SM dated 12.11.2007 for 20 years after receipt of approved mining plan on 03.05.2007 and Collector Rayagada requested the department of Steel & Mines, Govt. of Odisha for execution of M.L area over 40.946 hectares after final survey and demarcation vide his letter No.2108 dated 29.05.2008.
5. Previous mining plan for Paikadakulguda Cat's Eye Deposit in the M.L area over 41.485 hectares prepared under Rule 22 of MCR, 1960 was approved by the Indian Bureau of Mines, Govt. of India for a period of five (5) years vide letter No. BBS/RGD/Cat's Eye/MP-298 dated 03.05.2007. Since extent of the M.L area over 41.485 hectares as per terms & condition letter dated 15.10.2001 has been reduced to 40.946 hectares dated 07.10.2017. Modification of Mining Plan has been prepared for 40.946 hectares under Rule 17(3) of

MCR, 2016 for 5 years and approved vide letter no. MPM/OTFM/18-ORI/BHU/2018-19 dated 27.07.2018.

6. Terms of Reference (TOR) was issued vide SEAC letter. No. 955, SEAC-159 dated 19.11.2018
7. The lease area in favour of Lessee Sri Bijay Kumar Bansal for excavation of Chrysoberyl cat's Eye Gem Stone is located in village Paikadakuluguda under Bissamcuttack Tehsil of Rayagada District. Lease area is a part of Survey of India toposheet No 65 M/10 on 1:50,000 scale and is bounded by the latitudes from 19°34'37.09" to 19°35'05.51"N and longitudes from 83°32'05.35" to 83°32'31.17"E as per geodetic survey. The area is at a distance of 5 km from Muniguda town. The nearest railway siding is at Muniguda located at a distance of about 5 km from the lease area respectively.
8. The major portion of the lease area coming under waste land, water way & road. Soil-alluvium exposure is found to cover the total lease area. Mineable reserve is same to that of geological reserve as there will no loss due to M.L boundary & over all slope factors. Hence, mineable reserve for Cat's eye bearing zone is 555 kg. Keeping the maximum production of 41kg/ annum, the mineable reserve will be exhausted in 14 years time including the mining plan period.
9. Opencast method of mining will be adopted in the M.L area manually on single shift basis with deployment of equipments like hand shovels, pick axe, crow bar, baskets etc. overburden will be excavated & loaded manually and transported through 10 t capacity truck / tippers to the dumping site. The maximum production of cat's eye from the lease area will be 41 Kg/ Annum. With this rate of production the life of mine will be 14 years which include the present plan period of five years. A washing unit is proposed to be established for recovery of the Cat's eye. Mining will be carried out around the existing pit. Proposed rate of excavation varies between 1170 m<sup>3</sup> to 518 m<sup>3</sup> from 1st year to 5th year of development, washing unit is located at close proximity of the quarry
10. The proposed mining project will able to create employment opportunities for 83 personnel's among which 8 will be administrative and technical personnel and rest 75 will be skilled, semiskilled and unskilled labours.
11. Tube well is the source of water for drinking purpose in nearby villages. Vasundhara & Kani Jorhi River and tanks provide water for non-domestic use. The water requirement of the washing plant is 9.8m<sup>3</sup> / day. Out of total water used, 90% is recycled where as 10% is required as daily make up water.
12. During the plan period, 98450 m<sup>3</sup> OB / waste will be generated. These wastes will be dumped inside the lease area over an area of 1.231 Ha. at 8m average height in one terrace of 10m height. Construction of retaining wall and plantation around proposed dump will be carried out. Waste removed from the pit will be utilized for backfilling once the pit is exhausted. Therefore, there will be no dump in the lease area during the conceptual period.
13. The existing nala near the lease area will remain untouched as it is 0.2 km far from lease area and protected stone pitching on both the banks and plantation of small grasses to restore the soil erosion. There is the proposal for construction of check dam in the nala to store water which will be utilized in the process of washing. Garland drains will be constructed along the quarries and dumps which are routed through settling pits of size 10m x 5m x 2m.

14. During the plan period there is the proposal for plantation of about 750 saplings over an area of 0.3 Ha and during conceptual period 6.05 Ha of the land will be covered under plantation with about 10500 saplings.
15. The Public Hearing has been conducted on 15.11.2019 at 10.30 AM at Paikadakulguda of Kutraguda R.I. Circle, in the district of Rayagada in accordance with the Ministry of Environment, Forest & Climate Change, Govt. of India, EIA Notification No.SO-1533(E) on dated 14.09.2006.
16. The major issues raised by public include conservation of the forest near the mines, employment generation, developmental work like road construction, educational development in the villages. The lessee agreed to conduct the CSR activities shall be carried out in consultation with co-ordination committee formed under Gram Sabha of the local Panchayat to get local villagers involvement. Budget allocated for peripheral developmental activities will be 16.5 Lakhs
17. Baseline study was conducted in pre monsoon season (March to May 2018).
18. The cost of the project is ₹ 320 Lakhs.
19. The project proponent along with their consultant **M/s Kalyani Laboratories Pvt. Ltd. Plot no.-78/944, Pahala, Bhubaneswar -752101** made a detailed presentation on the proposal before the SEAC.

Considering the information / documents furnished by the proponent and presentation made by the consultant, the SEAC decided to take decision on the proposal after receipt of the following information / documents from the proponent followed by a site visit by the Sub-Committee of SEAC to the proposed site.

- (i) Specific measures to be taken in case of deep mining and slope failure as the mining area is sandy soil type. Slope study to be done preferably by an Institute of National repute.
- (ii) Remedial Measures to be taken so that natural drainage of nala is not affected. A detailed proposal to this effect to be submitted.
- (iii) Since the mining activity will intercept ground water table, ground water study to be undertaken and report is to be submitted.
- (iv) Details of proposed bench height and slope.
- (v) Type of retaining wall to be provided with design/dimensional details.
- (vi) A natural nallah is passing inside the lease area. A detailed proposal to protect the nallah is to be submitted.
- (vii) A public road passing through the lease area. A detailed proposal to be submitted to provide alternative passage to the public.
- (viii) Details of the mining pits to be operated for a particular time.



**ITEM NO. 04**

**PROPOSAL OF ENVIRONMENTAL CLEARANCE FOR CONSTRUCTION OF COMMERCIAL PROJECT "HOTEL RASHMI PLAZA" AT JAYADEV VIHAR, PLOT NO. – J1, B/1334, BHUBANESWAR, DISTRICT KHORDHA OF M/S. HOTEL RASHMI PLAZA – AMENDMENT OF ENVIRONMENTAL CLEARANCE NOW PP HAS CHANGED THE BUILT UP AREA FROM 28,278.31 SQMT TO 29021.73 SQ MT) OF M/S. HOTEL RASHMI PLAZA; RASMI RANJAN ROURTRAY – (AMENDMENT EC).**

1. This is a proposal for amendment of Environmental Clearance of M/s. Hotel Rashmi Plaza for construction of commercial project "Hotel Rashmi Plaza" at Jayadev Vihar, Plot No. – J1, B/1334, Bhubaneswar, District Khordha of Rasmi Ranjan Routray.
2. M/s. Hotel Rashmi Plaza has obtained Environment Clearance from SEIAA, Odisha vide letter no. 8696/SEIAA, dated 10.12.2013.
3. The proposal got extension of EC for 7 years vide letter no: 6208/SEIAA, dated 09.11.2018.
4. The project proponent had completed the construction and BDA verified the construction work and it was found that the built up area has increased from 28,278.31 m<sup>2</sup> to 29,021.73 m<sup>2</sup>. However, the plot area remains same i.e. 6515.38 m<sup>2</sup>.
5. Building permission from BDA was obtained vide letter no. 10206/BDA, Bhubaneswar, dated 05.04.2019 for built up area - 29,021.73 m<sup>2</sup>.
6. The project proponent has applied for amendment of EC due to increase in total built up area along with half yearly compliance report on EC conditions for the period October 2017 to March 2018.
7. The Commercial Project is located at Plot No. B/1334, Jayadev Vihar, Bhubaneswar, Odisha. The Co-ordinates of the project site are 20018'41.42" N & 85049'1.45" E. The project site is well connected through Nandankanan Road which is 0.33km away from the project site towards East direction. The nearest National highway is NH-5 which is 2.05km away from the project site towards South South East direction. The nearest railway station is Mancheswar railway station, about 3.18 km away from the project site. The nearest airport is Bhubaneswar airport at 6.42 km from the project site.
8. The proponent made a detailed presentation on the proposal before the Committee.

Considering the information / documents furnished by the proponent, the SEAC decided to take decision on the proposal after receipt of the following information / documents from the proponent followed by a site visit of the SEAC sub-committee.

- (i) Certified copy of latest half yearly compliance Report (October, 2019 to March, 2020) to Environmental Clearance conditions submitted to MoEF&CC, Regional Office, Bhubaneswar.
- (ii) Detailed on which portion of construction activity, the deviation in built-up has taken.
- (iii) Details of Greenbelt area. Details of Plantation previously and proposed to be carried out.
- (iv) Submission of revised layout showing green belt, parking area, DG set location and drainage map.
- (v) Details of Parking area with regards to previously and proposed area may be furnished with percentage.

- (vi) Details of Solar system for previously and proposed plan (with actually done and proposed to be done) and percentage of total power to be provided.
- (vii) A comparative statement of consumption of water, generation of waste water, solid waste generation etc. for approved built-up area and deviation built-up area.
- (viii) A short write up by project proponent why the proposal may not be considered under violation of EC Category.
- (ix) Copy of approval letter along with building plan of BDA.

**ITEM NO. 05**

**PROPOSAL OF ENVIRONMENTAL CLEARANCE FOR RIVER BED SAND MINING AT KOTADWAR SAND GHAT ON RIVER MAHANADI OVER AN AREA OF 20.235HA/ 50 ACRE IN VILLAGE PATUGADADHARPUR UNDER BANKI TAHASIL CUTTACK DISTRICT (LEASE PERIOD-5 YEARS) OF SRI ABHISEK MOHANTY (TOR).**

The project proponent didn't attend the meeting and requested to defer the proposal vide letter no- nil dated 15.07.2020 as the project proponent has applied for modification in Mining plan to the competent authority.

**ITEM NO. 06**

**PROPOSAL OF ENVIRONMENTAL CLEARANCE FOR MURADIPALI RIVER BED SAND MINE OVER AN AREA OF 12.735HA/ 31.47 ACRE IN VILLAGE MURADIPALI UNDER LAIKERA TAHASIL OF JHARSUGUDA DISTRICT OF SRI PUSHPAK KUMAR NAIK (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. The proposed mining project is for river bed sand mining on Telen River at village Muradipali, Tahasil-Laikera, in Dist-Jharsuguda, Odisha, over an area of 12.735Ha or 31.47 Acres of Sri Pushpak Kumar Naik.
3. The quarry lease has been proposed to be granted by the Tahasil of Laikera, Jharsuguda district of Odisha to the applicant Sri Pushpak Kumar Naik for minor mineral (River Sand) from 2019-20 to 2023-24 vide letter no – 2097, dated 18.10.2019
4. Mining plan has been approved by Sri. M.R. Mahapatra, Joint Director Geology, Sambalpur on dated 03.12.2019.
5. As per EIA notification 2006 and subsequent amendment the proposal is coming under category 'B2' at par with Cat. B1 and requires environmental clearance.
6. The lease area is located in village - Muradipali, Tahasil-Laikera, in Dist-Jharsuguda, Odisha bearing Khata No.-111, Plot No.-337,501 & 640 Kisam: Nadi present in survey of India toposheet no. F45M1& between latitude of 21°50'54.89" E to 21°51'34.73" E Longitude - 84°10'57.55" N to 84°11'19.14" N. Nearest Railway station is Dhutra Railway station at a distance of 10 Km from the project site. The nearest road is Laikera Road located at a distance of 1.5 Km & Udiapali Road at a distance of 3.2 Km. The site is well connected to NH-200 at a distance of 6.6Km & SH-24 at a distance of 19 Km. Nearest airports is at Jharsuguda at a distance of 16 Km from the mining lease area.
7. Out of the total area of 12.735Ha, 4.04 Ha areas will be under excavation, 6.174 Ha will

be used for miscellaneous purposes like approach road, rest shed etc. & 2.521 Ha dedicated for safety zone.

8. The method of mining will be open cast manual method. The quarry will be worked for five years. The average proposed rate of production is maximum up to 4000 Cu.m or 9523Ton per annum (In five years, total production will be 20,000Cu.m or 47,619 Ton).
9. Water requirement for the project will be 5KLD. Domestic water requirement will be 3 KLD, water requirement for Green belt development and dust suppression will be 0.5 KLD and for water sprinkling will be 1.5KLD.
10. Power Requirement - No use of electric power as the operation will be done in day time. However solar lights will be used for day to day living purposes. Tipper & Dumper will be used for transportation. So the approximate quantity of the fuel/Diesel used per day is 100Lit/day.
11. Employment potential - Due to the proposed sand mining, there will be generation of employment for 8 persons. From which 3 nos are semi-skilled, 3nos are unskilled & 1 skilled & 1 is supervisory.
12. Total cost of the project will be ₹ 2 Lakhs.
13. The project proponent along with the consultant **M/s Kalyani Laboratories (Pvt) Ltd. Pahala, Bhubaneswar** made a detailed presentation on the proposal.

Considering the information / documents furnished by the proponent and presentation made by the consultant **M/s Kalyani Laboratories (Pvt) Ltd. Pahala, Bhubaneswar**, the SEAC prescribed the following specific ToRs in addition to standard ToRs as per **Annexure –A** for conducting detailed EIA study.

- (i) Certificate from the concerned Tahasildar about the distance of the Bridge from the boundary of the lease area and other mines located within 500 meter from the periphery of the lease boundary.
- (ii) Details of river bank protection.
- (iii) Approach road for mineral transportation to be provided.

#### **ITEM NO. 07**

#### **PROPOSAL FOR EXTENTION OF VALIDITY OF ENVIRONMENTAL CLEARANCE FOR BHAGABANPUR DECORATIVE STONE DEPOSIT OVER AN AREA 4.108 HA AT VILLAGE-BHAGABANPUR, TAHASIL-KUKUDAKHANDI, DIST-GANJAM OF M/S ILYAS GRANITES OF MR. M. A RAZZAK (EC)**

1. This proposal is for Extension of validity of Environmental Clearance for Bhagabanpur Decorative Stone Deposit over an area 4.108 ha at village-Bhagabanpur, Tahasil-Kukudakhandi, Dist-Ganjam of M/s Ilyas Granites of Mr. M. A Razzak.
2. The lessee had obtained Environmental Clearance from DEIAA, Ganjam Odisha vide letter no: 167/16/DEIAA on dated 20.12.2020 for 5 years, i.e. 2015-16 to 2019-20.
3. The ML of Bhagabanpur Decorative Stone Mine has been executed for 20 years in favour of M/s. Ilyas Granites vide letter no.- 1550/SM dated 10.02.2015 by the Govt of Odisha.
4. The extension of EC is applied at SEIAA for the mining lease coterminous with the lease period of 20 years.
5. The mining plan of Bhagabanpur Decorative Stone Mine was approved vide letter no.7094 on dated 20.08.2015 by Director of Mines, Odisha, Bhubaneswar.


Proceedings of the SEAC meeting held on 17.07.2019

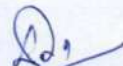
  
Nodal Officer, SEAC

6. The geological reserve in the mining lease area is 2,31,886 MT and Mineable reserve of 1,02,064 MT have been assessed for decorative stone in the lease area. The proposed rate of production is 3880 cum (maximum) during the plan period of 5 years and the targeted total production achieved during 5 years was 14930 cum of Saleable Decorative Stone (Blocks & Khanda).
7. The Lessee has applied for extension of validity of EC up to the lease period for 20 years
8. The proponent made a detailed presentation before the SEAC on 17.07.2020. The SEAC decided to take decision on the request of the proponent after the proponent submits certain information / documents

Considering the information / documents furnished by the proponent and presentation made by the consultant, the SEAC decided to take decision on the proposal after receipt of the following information / documents from the proponent.

- (i) Certificate from Mining Officer, Ganjam that no other mines located within the periphery of mining lease area of Bhagabanpur Decorative Stone Mine.
- (ii) Copy of half yearly condition wise compliance Report on Environmental Clearance conditions submitted to MoEF&CC, Regional Office, Bhubaneswar.
- (iii) Copy of mining lease document indicating the lease period.
- (iv) Letter of Steel & Mines Department, Govt. of Odisha indicating that the mining lease is in force and in favour of the lessee.
- (v) Copy of mining
- (vi) Layout map showing the mining activity, waste dump, quantity of waste backfilled in the area.

  
Secretary, SEAC

  
Chairman (Working), SEAC

  
Nodal Officer, SEAC

**TERMS OF REFERENCE (ToR) FOR CONDUCTING ENVIRONMENT IMPACT ASSESSMENT STUDY AND INFORMATION TO BE INCLUDED IN EIA/EMP REPORT FOR MURADIPALI RIVER BED SAND MINE OVER AN AREA OF 12.735HA/ 31.47 ACRE IN VILLAGE MURADIPALI UNDER LAIKERA TAHASIL OF JHARSUGUDA DISTRICT OF SRI PUSHPAK KUMAR NAIK (TOR)**

---

**A. STANDARD TOR FOR MINING PROJECT**

1. The Environmental Clearance will not be operational till such time the Project Proponent complies with all the statutory requirements and judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors..
2. Department of Mining & Geology, State Government shall ensure that mining operation shall not commence till the entire compensation levied, for illegal mining paid by the Project Proponent through their respective Department of Mining & Geology in strict compliance of judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors.
3. Year-wise production details since 1994 should be given, clearly stating the highest production achieved in any one year prior to 1994. It may also be categorically informed whether there had been any increase in production after the EIA Notification 1994 came into force, w.r.t. the highest production achieved prior to 1994.
4. A copy of the document in support of the fact that the Proponent is the rightful lessee of the mine should be given.
5. All documents including approved mine plan, EIA and Public Hearing should be compatible with one another in terms of the mine lease area, production levels, waste generation and its management, mining technology etc. and should be in the name of the lessee.
6. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/toposheet, topographic sheet, geomorphology and geology of the area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
7. Information should be provided in Survey of India Toposheet in 1:50,000 scale indicating geological map of the area, geomorphology of land forms of the area, existing minerals and mining history of the area, important water bodies, streams and rivers and soil characteristics.
8. Details about the land proposed for mining activities should be given with information as to whether mining conforms to the land use policy of the State; land diversion for mining should have approval from State land use board or the concerned authority.
9. It should be clearly stated whether the proponent Company has a well laid down Environment Policy approved by its Board of Directors? If so, it may be spelt out in the EIA Report with description of the prescribed operating process/procedures to bring into focus any infringement/deviation/violation of the environmental or forest norms/ conditions? The hierarchical system or administrative order of the Company to deal with the environmental issues and for ensuring compliance with the EC conditions may also be given. The system of reporting of non-compliances / violations of environmental norms to the Board of Directors of the Company and/or shareholders or stakeholders at large, may also be detailed in the proposed safeguard measures in each case should also be provided.

10. The study area will comprise of 10 km zone around the mine lease from lease periphery and the data contained in the EIA such as waste generation etc. should be for the life of the mine / lease period.
11. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
12. Details of the land for any Over Burden Dumps outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be given.
13. A Certificate from the Competent Authority in the State Forest Department should be provided, confirming the involvement of forest land, if any, in the project area. In the event of any contrary claim by the Project Proponent regarding the status of forests, the site may be inspected by the State Forest Department along with the Regional Office of the Ministry to ascertain the status of forests, based on which, the Certificate in this regard as mentioned above be issued. In all such cases, it would be desirable for representative of the State Forest Department to assist the Expert Appraisal Committees.
14. Status of forestry clearance for the broken up area and virgin forestland involved in the Project including deposition of net present value (NPV) and compensatory afforestation (CA) should be indicated. A copy of the forestry clearance should also be furnished.
15. Implementation status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.
16. The vegetation in the RF / PF areas in the study area, with necessary details, should be given.
17. A study shall be got done to ascertain the impact of the Mining Project on wildlife of the study area and details furnished. Impact of the project on the wildlife in the surrounding and any other protected area and accordingly, detailed mitigative measures required, should be worked out with cost implications and submitted.
18. Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar site Tiger/Elephant Reserves/(existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated, supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above, should be obtained from the Standing Committee of National Board of Wildlife and copy furnished.
19. A detailed biological study of the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna, endangered, endemic and RET Species duly authenticated, separately for core and buffer zone should be furnished based on such primary field survey, clearly indicating the Schedule of the fauna present. In case of any scheduled-I fauna found in the study area, the necessary plan alongwith budgetary provisions for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost.

20. Proximity to Areas declared as 'Critically Polluted' or the Project areas likely to come under the 'Aravali Range', (attracting court restrictions for mining operations), should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the SPCB or State Mining Dept. Should be secured and furnished to the effect that the proposed mining activities could be considered.
21. Similarly, for coastal Projects, A CRZ map duly authenticated by one of the authorized agencies demarcating LTL, HTL, CRZ area, location of the mine lease w.r.t CRZ, coastal features such as mangroves, if any, should be furnished. (Note: The Mining Projects failing under CRZ would also need to obtain approval of the concerned Coastal Zone Management Authority).
22. R&R Plan/compensation details for the Project Affected People (PAP) should be furnished. While preparing the R&R Plan, the relevant State/National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs/STs and other weaker sections of the society in the study area, a need based sample survey, family-wise, should be undertaken to assess their requirements, and action programmes prepared and submitted accordingly, integrating the sectoral programmes of line departments of the State Government. It may be clearly brought out whether the village(s) located in the mine (lease area) will be shifted or not. The issues relating to shifting of village(s) including their R&R and socio-economic aspects should be discussed in the Report.
23. One season (non-monsoon) [i.e. March - May (Summer Season); October - December (post monsoon season) ; December - February (winter season)] primary baseline data on ambient air quality as per CPCB Notification of 2009, water quality, noise level, soil and flora and fauna shall be collected and the AAQ and other data so compiled presented date-wise in the EIA and EMP Report. Site-specific meteorological data should also be collected. The location of the monitoring stations should be such as to represent whole of the study area and justified keeping in view the pre-dominant downwind direction and location of sensitive receptors. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM<sub>10</sub>, particularly for free silica, should be given.
24. Air quality modelling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mineral. The details of the model used and input parameters used for modelling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any, and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map.
25. The water requirement for the Project, its availability and source should be furnished. A detailed water balance should also be provided. Fresh water requirement for the Project should be indicated.
26. Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided.
27. Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.

28. Impact of the Project on the water quality, both surface and groundwater, should be assessed and necessary safeguard measures, if any required, should be provided.
29. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater, Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed Hydro Geological Study should be undertaken and Report furnished. The Report inter- alia, shall include details of the aquifers present and impact of mining activities on these aquifers. Necessary permission from Central Ground Water Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished.
30. Details of any stream, seasonal or otherwise, passing through the tease area and modification / diversion proposed, if any, and the impact of the same on the hydrology should be.
31. Information on site elevation, working depth, groundwater table etc. Should be provided both in AMSL and BGL. A schematic diagram may also be provided for the same.
32. A time bound Progressive Greenbelt Development Plan shall be prepared in a tabular form (indicating the linear and quantitative coverage, plant species and time frame) and submitted, keeping in mind, the same will have to be executed up front on commencement of the Project. Phase-wise plan of plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given. The plant species selected for green belt should have greater ecological value and should be of good utility value to the local population with emphasis on local and native species and the species which are tolerant to pollution.
33. Impact on local transport infrastructure due to the Project should be indicated. Projected increase in truck traffic as a result of the Project in the present road network (including those outside the Project area) should be worked out, indicating whether it is capable of handling the incremental load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. Project Proponent shall conduct Impact of Transportation study as per Indian Road Congress Guidelines.
34. Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report.
35. Conceptual post mining land use and Reclamation and Restoration of mined out areas (with plans and with adequate number of sections) should be given in the EIA report.
36. Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
37. Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.



38. Measures of socio economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
39. Detailed environmental management plan (EMP) to mitigate the environmental impacts which, should inter-alia include the impacts of change of land use, loss of agricultural and grazing land, if any, occupational health impacts besides other impacts specific to the proposed Project.
40. Public Hearing points raised and commitment of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.
41. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
42. The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
43. A Disaster management Plan shall be prepared and included in the EIA/EMP Report.
44. Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
45. The activities and budget earmarked for Corporate Environmental Responsibility (CER) shall be as per MoEF&CC, Govt. of India O.M No 22-65/2017-IA. II (M) dated 01.05.2018 and the action plan on the activities proposed under CER shall be submitted at the time of appraisal of the project included in the EIA/EMP Report.
46. The Action Plan on the compliance of the recommendations of the CAG as per MoEF&CC, Govt. of India Circular No. J-11013/71/2016-IA.I (M), dated 25,10.2017 needs to be submitted at the time of appraisal of the project and included in the EIA/EMP Report.
47. Compliance of the MoEF&CC, Govt. of India Office Memorandum No. F: 3-50/2017-IA.III (Pt.), dated 30.05.2018 on the judgement of Hon'ble Supreme Court, dated the 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India needs to be submitted and included in the EIA/EMP Report.

**B.** Besides the above, the below mentioned general points are also to be followed:-

- a) All documents to be properly referenced with index and continuous page numbering.
- b) Where data are presented in the Report especially in Tables, the period in which the data were collected and the sources should be indicated.
- c) Project Proponent shall enclose all the analysis/testing reports of water, air, soil, noise etc. using the MoEF&CC/NABL accredited laboratories. All the original analysis/testing reports should be available during appraisal of the Project.
- d) Where the documents provided are in a language other than English, an English translation should be provided.
- e) The Questionnaire for environmental appraisal of mining projects as devised earlier by the Ministry shall also be filled and submitted.
- f) While preparing the EIA report, the instructions for the Proponents and instructions for the Consultants issued by MoEF vide O.M. No. J-11013/41/2006- IA.II (I) dated 4th August, 2009, which are available on the website of this Ministry, should be followed.

- g) Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the PFR for securing the TOR) should be brought to the attention of MoEF&CC with reasons for such changes and permission should be sought, as the TOR may also have to be altered. Post Public Hearing changes in structure and content of the draft EIA/EMP (other than modifications arising out of the P.H. process) will entail conducting the PH again with the revised documentation.
  - h) As per the circular no. J-11011/618/2010-IA.II (I) dated 30.5.2012, certified report of the status of compliance of the conditions stipulated in the environment clearance for the existing operations of the project, should be obtained from the Regional Office of Ministry of Environment, Forest and Climate Change, as may be applicable.
  - i) The EIA report should also include (i) surface plan of the area indicating contours of main topographic features, drainage and mining area,(ii) geological maps and sections and (iii) Sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area.
- C. The prescribed TOR would be valid for a period of four years for submission of the EIA/EMP report after conducting public hearing.**