

**PROCEEDINGS OF THE MEETING OF STATE LEVEL EXPERT APPRAISAL  
COMMITTEE, ODISHA HELD ON 18<sup>th</sup> NOVEMBER, 2020**

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The SEAC met on 18<sup>th</sup> November, 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. Prof.(Dr.) B.K. Satpathy	-	Member
8. Dr. Sailabala Padhi	-	Member
9. 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 M/S NEW LAXMI STEEL & POWER PVT. LTD. FOR PROPOSED PRODUCTION OF STEEL STRUCTURE/ MS ROD-200000 TPA & IRON BILLET- 200000 TPA OVER AN AREA 2.02465HA AT- SARUA INDUSTRIAL ESTATE, KHORDHA OF SRI PAWAN KUMAR GUPTA –TOR.**

The project proponent didn't attend the meeting and requested vide letter no- nil, dated 10.11.2020 that due to financial difficulties during Covid-19, the proposal has been kept in abeyance. The Committee decide to return the proposal to the SEIAA, Odisha.

**ITEM NO. 02**

**PROPOSAL OF ENVIRONMENTAL CLEARANCE OF M/S NEW LAXMI INDUSTRIES PVT. LTD. FOR PROPOSED PRODUCTION OF STEEL STRUCTURE/ MS ROD-200000 TPA & IRON BILLET- 200000 TPA, OVER AN AREA 12.087AC. AT- SARUA INDUSTRIAL ESTATE, KHORDHA OF SRI PAWAN KUMAR GUPTA -TOR**

The project proponent didn't attend the meeting and requested vide letter no- nil, dated 10.11.2020 that due to financial difficulties during Covid-19, the proposal has been kept in abeyance. The Committee decide to return the proposal to the SEIAA, Odisha.

**ITEM NO. 03**

**PROPOSAL OF ENVIRONMENTAL CLEARANCE OF M/S. FALCON REAL ESTATE PVT. LTD. FOR EXPANSION OF PROPOSED CONSTRUCTION PROJECT "FALCON CREST" MULTI-STORIED RESIDENTIAL COMPLEX COMPRISING OF ONE BLOCK OF INTEGRATED (B+G+16), AND ONE BLOCK OF (B+G) STORIED CLUB-CUM-SOCIETY BUILDING PROPOSED OVER PLOT NO. 800,803 & 829, KHATA NO. 223 & 83, OVER AN AREA 3.352AC OR 13565SQ.M AT MOUZA- SHYAMPUR, DIST- KHORDA OF SRI PARTHAJEET PATNAIK - EC**

1. This is a proposal for Environmental Clearance of M/s. Falcon Real Estate Pvt. Ltd. for Expansion of proposed construction project "Falcon Crest" Multi-storied Residential complex comprising of one block of integrated (B+G+16), and one block of (B+G) storied

Club-Cum-Society Building proposed over plot no. 800,803 & 829, khata no. 223 & 83, over an area 3.352Ac or 13565sq.m at Mouza- Shyampur, Dist- Khorda of Sri Parthajet Patnaik.

2. The project falls under Category “B”, Project or Activity 8(a) – Building Construction; Category B2 under Expansion project as per schedule of EIA Notification dated 14th Sep, 2006, as amended from time to time.
3. The site is coming under developmental Plan of Bhubaneswar Municipal Corporation. A conditional Approval letter was received from the Bhubaneswar Development Authority for One block of (B+G+16) multistoried Residential Apartment Building and one block of B+G+1 storied Club-Cum-Society Building plan vide letter no. 525/BDA, Bhubaneswar, Dt. 7.01.2016. The copy of BDA approval letter is enclosed as Annexure-VIII. According to Airport NOC, we will again request to BDA for approval of One block of (B+G+13) multistoried Residential Apartment Building and one block of B+G+1 storied Club-Cum-Society Building plan.
4. The proposed project has obtained Environmental Clearance (EC) for 1 Block- of (B+G+12, G+1 & EWS (B+G+4) Storied, Building with built-up area of 38515 sq.mt SEIAA/No-1-NCP/2015 dated 9/02/2018. At present 50% of total built up area completed as per Previous EC.
5. In revised building plan, total built-up area will increase from 38515 m<sup>2</sup> to 44213.04 m<sup>2</sup>, ground coverage will be 3537.94 m<sup>2</sup>, Max building height will increase from earlier proposed 40.95 mt. to 44.1 mt., Dwelling units will decrease from earlier proposed 286 units to 217 units.
6. M/s Falcon Real Estate Pvt. Ltd. has proposed to construct Residential Building with club. Project is located at nearer to Sum Hospital, surrounding area is developed area. The proposed site comes under BDA (Bhubaneswar Development Authority) and land use zone of the proposed site is residential Use Zone as per land use plan of BDA land use plan. Site is located in Mouza-Sampur.
7. **Connectivity:** The nearest airport is Biju Patnaik Airport which is at 7.53 km Bhubaneswar railway station is at 10.4 km & Mancheswar railway station is 13.1 km away from the project site.
8. **Power Requirement:** The total demand load is estimated at 2047 KW. Power will be supplied by CESU. There is provision of Power backup for the residential project will be through DG sets of total capacity 2239 KVA (1 No. 1250 KVA+ 1 No. 1010 KVA) silent DG Set (Radiator Cooled) for residential area. Separate generator yard will be constructed for housing DG sets.
9. **Water Requirement:** During construction stage daily requirement of water will avg. 60 KLD which will be sourced from surface water through water tankers. During operation stage total water requirement will be about 260 KLD out of which 148 KLD (daily fresh water requirement will be sourced from PHED/Ground water.) Approximately, 193 KLD of wastewater will be generated during the operational phase from domestic uses and other uses. The wastewater will be treated in a (Proposed STP (MBBR) Capacity = 200 KLD - Considering 5% buffer - 193 KLD. provided within the complex generating 174 KLD of recoverable treated waste water from STP. Out of which 66KLD (will be re-used for flushing 272.4 KLD, Gardening-24 KLD & 21.4 KLD for road washing etc)within the project. During

dry season there will be 62 KLD treated waste water discharged into municipal sewer and 86 KLD will become surplus in monsoon season.

10. **Solid waste Generation and Management:** The solid waste generated from the project shall be mainly domestic waste and estimated quantity of the waste shall be approx.365.032 kg per day @ 0.500 kg per capita per day for residential population (@ 0.20 kg per capita per day for visitors, Staff & club area. Landscape wastes @ 0.2 kg/acre/day will be disposed in project premises).
11. **Green Belt:** The green area will be developed approx. 22 % of the plot area (2959 sqm). The biodiversity in the area will increase due to the proposed green areas.
12. **Parking:** Proposed total area of parking (including club area) - 9014.29 m<sup>2</sup>
13. The project cost is ` INR 45 Cr [ ` 36 Cr (Existing /EC Granted) + ` 9 Cr (Expansion)]
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 Sub-committee of SEAC.

- (i) Detailed EC condition compliance report duly certified by MoEF&CC, Regional Office, Bhubaneswar.
- (ii) A comparative statement for existing and proposed expansion in tabulated form w.r.t change in floors, greenbelt, design, drainage plan, renewable energy, parking, water consumption, waste water generation, solid waste generation etc.
- (iii) Details of construction status (percentage wise) of existing project as per Environmental Clearance granted and proposed project.
- (iv) Copy of approval letter of BDA along with building plan for expansion project.
- (v) Copy of approval for safety and structural stability of building for expansion from appropriate authority.
- (vi) Details and plant layout showing location of drainage changed due to expansion.
- (vii) Details and plant layout showing location of greenbelt changed due to expansion
- (viii) Details and plant Layout showing location of rain harvesting recharging pits and quantity to be harvested taking into consideration the erratic rainfall pattern in the area.
- (ix) Whether EWS unit is mandatory or optional? Reason for removal of EWS units from the project.
- (x) Certificate from concerned DFO if the project is coming within Eco-sensitive zone of Chandaka Dampara Sanctuary or not.
- (xi) Details of Solar energy to be used in project with percentage of total power.
- (xii) NoC from the Air Port Authority of India (AAI) for raising of building height.
- (xiii) Indicate the ground coverage as per the existing EC with expansion the change in ground coverage be shown in the Map with Figure.
- (xiv) Indicate the Constructional features as per the revised building plan including the construction made w.r.t environment features.

- (xv) Quantification of the same (indicated above) as per EC granted and the basis there of as well as per proposed revised EC sought with quantification, basis of the same including parking in terms of ECS also.
- (xvi) To indicate the quantity of water to be drawn from PHED and ground water and the letter from PHED/BMC their inability to supply the full requirement of water.
- (xvii) Status of NOC/Permission letter from CGWA/WR Deptt, Govt. of Odisha respectively for drawl of ground water.
- (xviii) Permission from BMC to take additional load of waste water due to the proposed expansion.
- (xix) Justification why it will not be considered as a “violation”.

#### **ITEM NO. 04**

#### **PROPOSAL OF ENVIRONMENTAL CLEARANCE OF ARD DEPARTMENT, GOVT. OF ODISHA FOR CONSTRUCTION OF FISHING HARBOUR OVER AN AREA 55.01ACRES AT CHANDIPUR (BALARAMGADI) IN DISTRICT- BALASORE (23400 TPA FISH HANDLING CAPACITY) OF SRI LAXMAN KUMAR MISHRA EXECUTIVE ENGINEER (FISHERY ENGINEERING DIVISION, BHUBANESWAR) – 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 project falls under Category “B”, Project or Activity 7(e) – Ports and Harbours; as per schedule of EIA Notification dated 14th Sep, 2006, as amended from time to time.
3. The Government of Odisha has proposed to construct a fishery harbour at Chandipur (Balaramgadi) over an area 55.01acres at Chandipur (Balaramgadi) in district- Balasore to provide fish landing facilities to the fishermen of Chandipur and surrounding fishing villages. The project would be implemented over four years and comprise the following principal components.
  - i) Provision of safe landing and berthing facilities for mechanised fishing vessels (MFVs) to operate throughout the fishing season.
  - ii) Construction of shore-based establishments and organisation of distribution and marketing arrangements for prawn and fish products through the Fishery Terminal Organisation (FTO) to be setup.
4. The proposed fishery harbour shall provide followings:
 

**Landslide facilities** such as: (i) Fish Handling and Auction Hall (ii) Fish Loading Area (iii) Approach Road and Internal Roads (iv) Parking Areas for Vehicles (v) Fishery Administrative Office (vi) Fishermen’s Gear Sheds (vii) Net Mending Sheds (viii) Boat Building Yard and Timber Yard (ix) Boat Parking/Repair Yard (x) Boat Repair Shop (xi) Restaurant (xii) Fishermen rest sheds (xiii) Fish Merchants Dormitory (xiv) Sea Water Supply Distribution system (xv) Fresh Water Supply and Distribution System (xvi) Drainage/Sewerage Network System (xvii) Effluent Treatment Plant (xviii) Electric Power and Lighting System (xix) Security/Guard House, Main Gate and Compound Wall Radio-Communication Centre (xx) Ice Plant and Chilled Storage (xxi) Plot Area for Fish Processing (xxii) Public Amenity (xxiii) Fire Extinguishers (xxiv) Public toilet block (xxv) Security/guard house with main gate

**Water side facilities:** (i) 140 m long Landing quay (ii) 44 m long Outfitting quay (iii) 30 m

- long Repair quay (iv) 106 m long Idle berthing quay
5. The proposed Fisheries harbour lies on the southern and eastern bank of Burhabalang River, which is very close to the confluence point with Bay of Bengal. The proposed port is located at latitude 21° 28' 27" North and longitude 87° 03' 04" East is situated along the River Burhabalang. The proposed site is situated is about 3 km from the river mouth. The site is about 20 km from Balasore, the district headquarters. It is connected to Balasore by a well-maintained asphalted road. Balasore is also the nearest railhead. Survey was conducted by CICEF, Bangalore. Sheet No. 9, Revenue Village- Srikona, Tehsil- Balasore Sadar-104, Balasore, Odisha. Presence of horse shoe crab has been reported at Chandipur, Balaramgadi and along the mudflats of river Burhabalanga and especially near the mouth of estuary which is about 3-4 km from Chandipur.
  6. The proposed fishery harbour has been designed to accommodate 550 mechanised fishing vessel comprising of 100 nos. of 9 m motorised craft, 150 nos. of 12 m trawlers and 300 nos. of 14 m trawlers. Annual fish production will be 23,400.00 TPA. Administrative Approval No. 33013-5/2001-Fy (H), Dtd. 06.08.2018 of Government of India, Ministry of Agriculture and Farmers Welfare, Department of AHDF.
  7. Water Requirement - About 230 kiloliters per day of fresh water supply is required for motorized craft, fishing vessels, Ice plant and for other fishery related stall. The freshwater requirement towards maintaining greeneries and boat washing shall however be met fully or partially from the proposed rainwater harvesting system. Seawater would be made available through mobile pump sets pumped from the harbor basin to be used for fish handling and auction hall for cleaning fresh fish, floor cleaning and fish box washing.
  8. Power Requirement - Power supply will be made available from Public Distribution System of NESCO, Unit- 11 kVA Provision shall be made for the electric power supply, general lighting and 11 kVA electric sub-station within the fisheries harbor complex. For emergency situations e.g. power would be supplied through standby DG sets.
  9. Wastewater Treatment Plant over a plot area of 1211 m<sup>2</sup> is proposed. For Solid Waste Collection, air tight pre-containers and receptacles shall be placed in strategic locations. Lead acid starter batteries, dry cells, etc. A provision shall be made for the collection of toxic waste by the side of spent engine oil reception shed. This waste will be protected from sun and rain by keeping it in water tight container until further disposal. The hazardous waste shall be given to dealers who are authorized to handle these hazardous wastes.
  10. Employment Potential: About 100 labourers are likely to be deployed during project construction phase. In Operation Phase the project would give employment to 4,300 sea-going fishermen in 550 MFVs and about 1,300 persons in shore-based establishments, distribution and marketing of fish and crustacean products. Thus, 5,600 persons would be benefited directly in the fishing industry from project implementation, apart from the indirect benefits that would accrue as a result of developmental efforts.
  11. The project cost is about Rs. 49.94 crore. The project was accorded administrative approval during August 2018 at a cost of Rs. 49.94 crores
  12. The proposal was earlier obtained Environmental Clearance and CRZ clearance from MoEF&CC, Govt. of India on 02.06.2009. But, the project could not be established.
  13. The Environment consultant **M/s WAPCOS Ltd. Gurgaon** 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 WAPCOS Ltd. Gurgaon**, the SEAC prescribed the following specific ToRs in addition to standard ToRs as per **Annexure – A** for conducting detailed EIA study.

- (i) Recommendation of Odisha CRZ Authority for the project.
- (ii) Harbour located on right side of bank so dense mangrove fencing to prevent erosion.
- (iii) Detailed soil study with type, sediment size and soil profile.
- (iv) Detail socio economic study, biodiversity study, stimulation study in case of air & water monitoring.
- (v) Approval from Ministry of Defence, DRDO, Govt. of India for the project.
- (vi) Gochar land present in the project area. De-reservation of Gochar land is required from concerned Authority.
- (vii) Detailed alternative route to be provided to villagers.
- (viii) Structural stability certificate on seashore side. Extreme value analysis and design of Jetty.
- (ix) Details of Solar Pump and other solar systems to be installed.
- (x) SEAC has suggested to collect baseline data & Micro meteorological data for one year to prepare comprehensive EIA/EMP for public use. However, EC will be considered based on Rapid EIA/EMP based on one non monsoon season.

#### **ITEM NO. 05**

#### **PROPOSAL OF ENVIRONMENTAL CLEARANCE OF M/S GREEN TECH ENVIRON MANAGEMENT PVT. LTD. FOR PROPOSED COMMON BIOMEDICAL WASTE TREATMENT FACILITY (CBWTF) AT MOUZA- PARMANPUR (PLOT NO. 473, CHAKA KATA NO. 536 AND 207), TAHASIL- MANESWAR, DISTRICT-SAMBALPUR OF SRI RAMAKANT BURMAN – EC**

1. The proposal is for Environmental Clearance of M/s Green Tech Environ Management Pvt. Ltd. for proposed Common Biomedical Waste Treatment Facility (CBWTF) at Mouza- Parmanpur (Plot no. 473, Chaka Kata no. 536 and 207), Tahasil- Maneswar, District-Sambalpur of Sri Ramakant Burman.
2. The project falls under schedule 7 (da) "Biomedical Waste Treatment Facility" Category-B as per the EIA notifications, 2006 amendments dated 17th April, 2015
3. M/s. GreenTech Environ Management Pvt. Ltd. has proposed a New Common Biomedical Waste Treatment Facility (CBWTF) Project at Plot no. 473, Chaka Kata no. 536 and 207, Mouza Parmanpur, P.S. Sason, Maneswar, District- Sambhalpur, Odisha
4. Location and Connectivity - Geographical co-ordinates of the Project is Latitude: 21°32'16.96" N and Longitude: 84° 5' 34.32" E. Project site is falling in Survey of India Toposheet No. 64O/14, 64O/15, 73C/2 and 73C/3. Parmanpur Town is at 1.21 km. NH-6 is at 6.95 km. Sambalpur Railway Station at 14 Km. Raipur Airport at 245 km. Bhubaneshwar International Airport at 229 km. Harad nadi is at 3.5 Km. Malati Jhor Nadi is at 7.0 Km S, Munaki Nalla is at 6.0 Km. Jharghati Garpati RF is at 6.0 Km. Junan RF is at 9.0 Km. Lamdungri RF is at 9.0 Km. 5. Project site is 14 Km away from Critically Polluted Area, Ib Valley-Jharsuguda.
5. The proposed CBWTF unit consist of Incinerator (250 kg/hr) - 1no., Autoclave (500 liters

- per batch ) - 1 no., Shredder (100 kg/hr) - 1 no. and ETP (50KLD) – 1 no.
6. Water Requirement – Water requirement for the project will be 23 KLD. For drinking & domestic purpose water requirement will be 2 KLD, for process will be 18 KLD, for Green belt development and dust suppression will be 2 KLD. Borewell will be used for drinking and domestic purpose.
  7. Power Requirement - Total electricity requirement of the project is about 80 KVA. Required power will be sourced from The Grid Corporation of Odisha Limited (GRIDCO). Additionally, DG set of 62.5 KW capacity has been proposed as backup support in case of power failure.
  8. Green Belt- 33% (3329.75 acre) of total plot area shall also be developed under Green Belt.
  9. Employment Potential: Total 60 nos. of manpower is proposed to be required to run the facility smoothly. Required manpower shall be sourced from local area.
  10. ToR Application was submitted through online portal of MoEFCC on 17.11.2017. Project was considered for ToR Presentation on dated 05.01.2018.
  11. ToR Letter for Baseline Environmental Studies and Preparation of EIA/EMP Report was granted on 25.01.2018.
  12. Baseline data collection were conducted during 1<sup>st</sup> March, 2018 to 31<sup>st</sup> May, 2018 considering one non monsoon season.
  13. Public hearing for proposed project was conducted on 18.01.2020.
  14. Solid waste generation - During Construction phase of the unit, solid & hazardous waste will be wooden, metallic waste, containers, oil drums and domestic waste from the labor unit etc. During operation of the unit main waste will be Ash from incinerator and Sludge from ETP. Total 100-200 kg/day of incineration ash and 20-30 kg/day of residues shall be generated from the treatment unit. Ash residue from high temperature incineration and other material residues from the process shall be collected into containers / bags and shall be stored at temporary ash storage shed and shall be disposed into the secured landfill periodically after sufficient accumulation. Approx. 200-300 kg /month of Sludge will be generated from ETP. During operation phase 60 persons are engaged in operation phase and approx. 60 kg/day municipal solid waste is generated. All generated waste shall be disposed to secured land fill site as per the direction of OSPCB.
  15. The project cost is ` 25 crores.
  16. The Environment consultant **M/s SMS Envocare Ltd. 301, Pentagon, P-3, Magarpatta City, Hadapsar, Pune, Maharashtra** 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 SMS Envocare Ltd. 301, Pentagon, P-3, Magarpatta City, Hadapsar, Pune, Maharashtra**, the SEAC decided to take decision on the proposal after receipt of the following information / documents from the proponent.

- (i) Distance of the site from another Bio-medical Waste facility at Sundargarh.
- (ii) 75KM geographical domain should be left during collection of wastes as another unit has already established in Sundergarh after obtaining Environmental Clearance from SEIAA, Odisha. Details of coverage area for waste collection to be provided.

- (iii) Status of NOC from CGWA and approval from Water Resources, Deptt. Odisha for use of ground water.
- (iv) Study report on Occupational community health hazards and mitigative measures.
- (v) Report on possible hazardous waste generation and its disposal practice.
- (vi) Recycle of Plastic should be opted if possible. Detailed proposal to be given.
- (vii) Arrangement for collection of wastes from health centres with safety measures to be adopted.
- (viii) Diesel to be used as fuel for incinerator. Details of storage facility and explosive licence status for storage of diesel at the site.
- (ix) Bio-medical wastes to be collected from individual health centres to the common collection centres by the project proponent only. This is to be confirmed by project proponent.

#### **ITEM NO. 06**

#### **PROPOSAL OF ENVIRONMENTAL CLEARANCE OF M/S JAY MINERALS FOR PROPOSED PANDIAPATHAR DECORATIVE STONE (GRANITE GNEISS) MINES DEPOSIT OVER AN AREA OF 20.666 HA. IN VILLAGE- PANDIAPATHAR, TAHASIL- ASKA, DISTRICT-GANJAM OF SRI AJAY AGARWAL - 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 Pandiathar mining lease area for decorative stone (Granite Gneiss) over an area of 20.566 Ha or 50.82 Acre is located in the village Pandiathar, Tahasil Aska, District Ganjam, Orissa, in favour of Sri Ajay Agarwal, Proprietor: Jay Minerals, Plot No.24, VIP Colony, Nayapalli, Bhubaneswar, Khordha District, Odisha.
3. As per the EIA Notification S.O. 1533, dated 14th September 2006 and subsequent amendments, this project falls under Category B (B1).
4. The applied mining lease is granted by Department of Steel & Mines, Govt. of Odisha vide Letter No.5879/(IV (DS) SM-08/2019)/S&M, Bhubaneswar, on dated 09.08.2019 in favour of Sri Ajay Agarwal, (Proprietor: Jay Minerals) for 30 years.
5. Mining Plan for a period of five years was approved by Director of Mines, Odisha, Bhubaneswar vide letter no. MXXII-(a) 7/2019/3905/DM on dated 17.06.2020.
6. **Location and Connectivity** - The area of mining lease area is located in the Survey of India Toposheet no. E 45 A 10 (74 A/10), latitude 19041'41.08" to 19041'53.98" and longitude 84043'08.33"E to 84043'31.78"E. (Toposheet map attached as Annexure-I). The land use pattern of the mining lease area comes under the non forest agricultural land (Abada Ajogya Anabadi), bearing Khata no.1173, Plot no.671 (50.72Acres) and 672 (0.12Acres), Kissam: Parbata. The applied area is a part of the revenue village Pandiathar covers 20.566Hectares or 50.82Acres under Aska Tahasil of Ganjam District, Odisha. Nearest railway stations is Berhampur Railway Station at an aerial distance of 45Km and about 11Km from Aska. The lease area can be approached from NH: 36 & NH: 217 at a distance of 15Km & 12 Km, SH: 33 at a distance of 2.1Km. Mahanadi River at a distance of 5Km. Nearest Airport is Bhubaneswar Airport which is at a distance of 130Km. The drainage pattern of the area is dendrite. As the region shows an undulated hilly topography, there is neither any seasonal nor any perennial nalla



flowing within the applied mining lease area.

7. **Method Of Mining** - The method of mining belongs to Opencast semi-mechanized method using machineries such as Excavator, Line offset compressor, jack-hammer, wire ropes and drill rod etc. The height of the benches of the quarry will be kept 5mtr and width will be 5mtr or more than the height. The individual slope of benches will be 90° whereas the overall slope of the proposed quarry would be kept 45°. The gradient of the haul road will be maintained at 1:16 with more width than other benches for easy mobilization of man and machinery.
8. **Total Reserves & Production** - Estimation the geological reserves is found to be 4197050m<sup>3</sup> which includes Proved (2804745.00m<sup>3</sup>), Probable (905215.00m<sup>3</sup>) & Possible (906470.00m<sup>3</sup>) reserve respectively for decorative stone & Mineable reserve for decorative stone is found to be 3480720m<sup>3</sup> which includes Proved (792372.00m<sup>3</sup>) & Probable (251844.00m<sup>3</sup>) & Possible (nil) reserve respectively. During the total plan period (five years), it has been targeted to excavate 83335m<sup>3</sup> of rock mass, total recoverable decorative stone 25000m<sup>3</sup> which will generate 16665m<sup>3</sup> of block (of size 3m x 2m x 1.8m) or medium size (2m x 1m x 1m dimension) and 8335m<sup>3</sup> of khanda (of size 0.70m x 0.4m x 0.4m dimension) and remaining 58335m<sup>3</sup> of waste/rejects. The details of the proposed production during the plan are given below the table,

**Table No.1.1 Details of the proposed production during the Plan Period**

Year	Total volume of Rock Mass (m <sup>3</sup> )	Volume of Block (m <sup>3</sup> )	Volume of Rock as Khanda (m <sup>3</sup> )	Volume of Recoverable Decorative Stone (m <sup>3</sup> )	Volume of Waste (m <sup>3</sup> )
1 <sup>st</sup> Year	16667.00	3333.00	1667.00	5000.00	11667.00
2 <sup>nd</sup> Year	16667.00	3333.00	1667.00	5000.00	11667.00
3 <sup>rd</sup> Year	16667.00	3333.00	1667.00	5000.00	11667.00
4 <sup>th</sup> Year	16667.00	3333.00	1667.00	5000.00	11667.00
5 <sup>th</sup> Year	16667.00	3333.00	1667.00	5000.00	11667.00
<b>Total</b>	<b>83335.00</b>	<b>16665.00</b>	<b>8335.00</b>	<b>25000.00</b>	<b>58335.00</b>

9. **Waste generation and utilization** - During the total rock mass of 58335m<sup>3</sup> of waste will be generated due to course of mining. However about 40% of the generated waste (23334m<sup>3</sup>) will be utilized for maintenance and construction of the haul road, approach and existing roads in the surrounding areas periodically and remaining 35001m<sup>3</sup> (60%) of waste will be dumped in the proposed temporary waste dump in the earmarked site over 5.340 Acre area with an average height of 5m in a single terrace.
10. **Green Belt** - There will be proposed for green belt in and along the periphery of the quarry lease area of during the plan period using 1375nos. of saplings (Amla, Neem, Mango, Gamhari, Kasi, Bahada, Jamun, and Bamboo) for rehabilitation over an area of 8600m<sup>2</sup>.
11. **Water Requirement** - Total water requirement for the project will be 5 KLD out of which 2 KLD will be required for drinking and domestic purpose and 1.5 KLD for dust suppression and 1.5 KLD for plantation purpose. Source of domestic water will be tube well.
12. **Power Requirement** - Power Requirement will be met through DG sets.

13. **Employment Potential** - The mining activity will generate employment for 30nos of personnel Skilled 14nos, Semiskilled 06nos, Unskilled 07nos & 3nos Administrative Staffs.
14. The project cost is ` 200 lakhs.
15. The Environment consultant **M/s Kalyani Laboratories (Pvt) Ltd. Pahala, 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 Kalyani Laboratories (Pvt) Ltd. Pahala, Bhubaneswar**, the SEAC prescribed the following specific ToRs in addition to standard ToRs for mining project for conducting detailed EIA study.

- (i) Certificate from the concerned Tahasildar about the geo coordinates and other mines located within 500 meter from the periphery of the lease boundary.
- (ii) Distance of the nearest habitation / village (s) etc. from the lease boundary duly certified by the concerned Tahasildar.
- (iii) Details of waste management i.e., quantity to be used, stored and the waste composition.
- (iv) NOC from concerned competent authority for usage of road for transportation of minerals.
- (v) Plantation on both sides of approach road and its maintenance.
- (vi) Zero discharge from lease area to be maintained.
- (vii) In case village / any habitation is very nearby, plan to ensure safety of human life and livestock from accidents be submitted.
- (viii) Number and type of vehicles to be engaged per day and their frequency of plying.
- (ix) Certificate from the concerned DFO / Tahasildar that there is no DLC land involved in lease area. Distance of the mines from the boundary of the Notified Eco-Sensitive Zone / Wildlife Sanctuary if any.
- (x) Certificate from the concerned mining officer that the mine has not operated earlier and this is a new mine.
- (xi) NOC of Panchayat for usage of haulage road/Panchayat road.

  
Secretary, SEAC

  
Chairman , SEAC

**TERMS OF REFERENCE (ToR) FOR CONDUCTING ENVIRONMENT IMPACT ASSESSMENT STUDY AND INFORMATION TO BE INCLUDED IN EIA/EMP REPORT FOR ARD DEPARTMENT, GOVT. OF ODISHA FOR CONSTRUCTION OF FISHING HARBOUR OVER AN AREA 55.01ACRES AT CHANDIPUR (BALARAMGADI) IN DISTRICT- BALASORE (23400 TPA FISH HANDLING CAPACITY) OF SRI LAXMAN KUMAR MISHRA (EXECUTIVE ENGINEER) – TOR**

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**STANDARD TOR FOR FISHING HARBOUR PROJECT**

1. Reasons for selecting the site with details of alternate sites examined/rejected/selected on merit with comparative statement and reason/basis for selection. The examination should justify site suitability in terms of environmental angle, resources sustainability associated with selected site as compared to rejected sites. The analysis should include parameters considered along with weightage criteria for short-listing selected site.
2. Details of the land use break-up for the proposed project. Details of land use around 10 km radius of the project site. Examine and submit detail of land use around 10 km radius of the project site and map of the project area and 10 km area from boundary of the proposed/existing project area, delineating project areas notified under the wild life (Protection) Act, 1972/critically polluted areas as identified by the CPCB from time to time/notified eco-sensitive areas/interstate boundaries and international boundaries. Analysis should be made based on latest satellite imagery for land use with raw images.
3. Submit the present land use and permission required for any conversion such as forest, agriculture etc. land acquisition status, rehabilitation of communities/ villages and present status of such activities.
4. Examine and submit the water bodies including the seasonal ones within the corridor of impacts along with their status, volumetric capacity, quality likely impacts on them due to the project.
5. Submit a copy of the contour plan with slopes, drainage pattern of the site and surrounding area.
6. Submit the details of terrain, level with respect to MSL, filling required, source of filling materials and transportation details etc.
7. Examine road/rail connectivity to the project site and impact on the existing traffic network due to the proposed project/activities. A detailed traffic and transportation study should be made for existing and projected passenger and cargo traffic.
8. Submit details regarding R&R involved in the project.
9. Submit a copy of layout superimposed on the HTL/LTL map demarcated by an authorized agency on 1:4000 scale along with the recommendation of the SCZMA.
10. Submit the status of shore line change at the project site.
11. Details of the layout plan including details of channel, breakwaters, dredging, disposal and reclamation.
12. Details of handling of each cargo, storage, transport along with spillage control, dust preventive measures. In case of coal, mineral cargo, details of storage and closed conveyance, dust suppression and prevention filters.

13. Submit the details of fishing activity and likely impacts on the fishing activity due to the project. Specific study on effects of construction activity and pile driving on marine life.
14. Details of oil spill contingency plan.
15. Details of bathymetry study.
16. Details of ship tranquillity study.
17. Examine the details of water requirement, impact on competitive user, treatment details, use of treated waste water. Prepare a water balance chart.
18. Details of rainwater harvesting and utilization of rain water.
19. Examine details of Solid waste generation treatment and its disposal.
20. Details of desalination plant and the study for outfall and intake.
21. Examine baseline environmental quality along with projected incremental load due to the proposed project/activities.
22. The air quality monitoring should be carried out according to the notification issued on 16th November,2009.
23. Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.
24. Submit details of a comprehensive Risk Assessment and Disaster Management Plan including emergency evacuation during natural and man-made disasters.
25. Submit details of the trees to be cut including their species and whether it also involves any protected or endangered species. Measures taken to reduce the number of the trees to be removed should be explained in detail. Submit the details of compensatory plantation. Explore the possibilities of relocating the existing trees.
26. Examine the details of afforestation measures indicating land and financial outlay. Landscape plan, green belts and open spaces may be described. A thick green belt should be planned all around the nearest settlement to mitigate noise and vibrations. The identification of species/ plants should be made based on the botanical studies.
27. The Public Hearing should be conducted for the project in accordance with provisions of Environmental Impact Assessment Notification, 2006 and the issues raised by the public should be addressed in the Environmental Management Plan. The Public Hearing should be conducted based on the ToR letter issued by the Ministry and not on the basis of Minutes of the Meeting available on the web-site.
28. A detailed draft EIA/EMP report should be prepared in accordance with the above additional TOR and should be submitted to the Ministry in accordance with the Notification.
29. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
30. The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
31. Any further clarification on carrying out the above studies including anticipated impacts due to the project and mitigative measure, project proponent can refer to the model ToR available on Ministry website "<http://moef.nic.in/Manual/Port and harbour>".