Agenda Note of 102nd Meeting of SEIAA, Odisha Held On 06.12.2022 and 07.12.2022

AGENDA NO.102.1	
Proposal No.	SIA/OR/MIS/289795/2022
Date of Application	22.08.2022
File No.	289795/101-MIS/08-2022
Project Type	Fresh EC
Category	B2
Project/Activity including Schedule No.	8(a) Building and Construction projects
Name of the Project	Proposal for environmental clearance of IMS & SUM Hospital (Campus-2) building (2B+G+9) over Plot no. 416,297,417,419,296, 298, 418, 299,420,287, 415/4195, Khata No:-626/1, Mouza – Phulnakhara, Bhubaneswar
Name of the company/Organization	Siksha O Anusandhan University Applicant:DrManojranjanNayak,President
Location of Project	Odisha
ToR Date	NA
Name of the Consultant	Visiontek Consultancy Services Pvt. Ltd., Bhubaneswar

Proposal in brief :

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

(i) This proposal is for Environmental Clearance of M/S "Siksha 'O' Anusandhan Deemed University" for IMS & SUM Hospital (Campus-2) building (2B+G+9) on Khata No - 626/1 and Plot no. 416,297,417,419,296, 298, 418,299,420,287,415/4195 over a built-up area 89712.23m^2 located at Mouza — Phulnakhara, Bhubaneswar of Sri Bibekananda Pradhan.

(ii) Location and Connectivity - The project will be developed on the land measuring 15063 m^2 or 3.722 Ac. over Plot no.416, 297, 417, 419, 296, 298, 418,299, 420,287,415/4195 Khata No: -626/1, Mouza – Phulnakhara, Bhubaneswar. The project is located at Latitude :20°21'32.97"N, Longitude: 85°53'17.77"E. This project site is well connected to a network of existing road running all the way from in S & W direction and NH-16 at E direction. The proposed hospital has two gates that serve the dual purpose of entry and exit. The same service road acts as connecting link between one part of the city with the other which is will be used by the patients and public. Bhubaneswar Railway Station – 11.7 km –SSW, Vani Vihar P.H – 8.53km –SSW, Patia Road P.H – 5.11 km – W, Biju Patnaik International Airport –14.47 km – SSW, NH-16- near to the project 0.56 km –SE.Chandaka Forest & Elephant Reserve 12.41 km – W, Nandankanan Zoological Park-7.71 km.

(iii) The proposed area details of the project -

Total Plot Area: 15063 sqm /3.722 Ac. or 1.5063 Ha.
Total Built –Up Area: 89,712.23 Sqm
Total FAR Area= 73,829.27 Sqm
Ground Coverage - 7883.06 Sqm (52.33 % of the Plot Area)
Maximum Height of Building = 36 mt [LB+UB+G+9]
Parking Area Required-22150 sqm (30 % of total FAR Area as per ODA planning standards)
Parking Area Provided – 23823 sqm (32.2 % of total FAR Area)
Internal Roads = 2393.95 sqm (15.89 % of Plot Area)
Paved Area = 630.51 sqm (4.19 % of Plot Area)
Green belt Area =3119.5 (20.71 % of the Plot Area)
Open space, Other Services (Water tanker, STP, RWH, Waste Storage etc.) =1025.98 m2 (6.8 % of Plot Area).

(iv) Water requirement: The total water requirement is approx. 484 KLD, out of which total domestic/Fresh water requirement is 230 KLD. And recycled water 254 KLD. Waste Water generated 285 KLD, (waste water flows to STP-253 KLD & flows to ETP 32 KLD), Treated Waste Water Recovered & to be reused - 228 KLD (Zero Discharge).During dry season there will be no surplus treated wastewater and 30 KLD will become surplus in monsoon season which will be re used in HVAC.

(v) STP/ETP: Capacity of Sewerage Treatment Plant for Clinical Area - 300 KL (MBBR Type), Capacity of Effluent Treatment Plant - 50 KL.

(vi) Rain Water Harvesting: Rain Water will be harvested through 21 nos. of rain water recharging pits

(vii) Solid Waste Generation and Disposal: The solid waste generated from the project shall be approx. 400kg per day((Bio-degradable waste-= 160 kg/day, Non- bio degradable waste-=240 kg/day) during operation of project. Proper waste management practices will be adopted during the collection, storing and disposal of the generated solid waste as per the guidelines of Solid Wastes Management Rules, 2016. Hospital/Biomedical waste = **900 kg/day**, General Waste = 765 kg/day, Biomedical waste = 135 kg/day, Segregation, Storage & Disposal as per Bio-medical Waste Management Rules 2016.

(viii) Green Belt: Total green belt area 3119.5Sqmt (20.71% of plot area).The plantation matrix adopted for the green belt development includes pit of 2m x 3m size with a spacing of 2 m x 2 m. Multi-layered plantation comprising of medium height trees (7 m to 10 m) and shrubs (5 m height) are proposed for the green belt.

(ix) Power requirement: The power supply shall be supplied by TPCODL. The connected load for the Hospital project will be approx. 1200 KWH. For 30% Of The Total Load, 120 KVA Central On-grid Solar Power Plant Without Battery Storage To Cater, Back UpDG Set : 2X630 KVA 415 Volt, Radiator Cooled DG Set with stack height as per CPCB norms.

(x) Fire fighting Installations: Firefighting system will be installed as per recommendation of the Firefighting Officer, Odisha and as per the guideline of NBC (part-4).

(xi) The total estimated population of the project will be 2600 persons (including patients, staffs & visitors).

(xii) Cost of the project: Estimated Cost of Project is 1505 Cr. EMP cost-1332 Lakhs as capital cost, 244 Lakhs as recurring cost.

(xiii) The proponent along with the consultant M/s Visiontek Consultancy Services Pvt. Ltd., Bhubaneswar made a detailed presentation before the SEAC on 02.11.2022.

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

(i)Kml file not in proper format.

(ii)A complain petition has been received by SEIAA on dated 18.11.2022 in regard to the project. Points in petition: Land kisam is Nayanjori, encroachment of road in the adjoining site, Construction activity has already started,etc. The petition has been received after appraisal of the project by SEAC.

Whether SEAC recommended the proposal – Yes, SEAC have already recommended for grant of EC for the project valid for a period of 10 years with following specific conditions in addition to the conditions as per Annexure-A in its meeting dated 02.11.2022.

i) All the land kisam shall be converted to "Gharabari" before going for construction activity for the project by appropriate revenue authority including that of " SABAK/ HAAL" records as well.

ii) The sabikRoR shall be compared with the halRoR for each plot of land involved in the project to ensure that there is no involvement of Forest land or DLC land there after the record of right's kisam of land for each and every plot of land should be Gharabari before starting any permanent construction activity of the project.

iii) Plantation and solar facilities to be implemented as proposed at appropriate time.

iv) Parking in terms of ECS (4-wheeler, 2-wheeler and bicycles) shall be provided compatible with patients and attending visitors, OPD patients and visitors with them, Doctor's and staffs, nursing sisters and at least 10% floating population in confirmative building by- law/NBC norm/ applicable laws and rules for this kind of project.

v) The proponent shall operate STP and ETP should not be located under the same housing and should be operated separately as standalone systems and both shall not be inter-connected. ETP outlet effluent shall not be discharged to outside the project premises i.e. "Zero Liquid Discharge" from ETP to outside the premises shall be maintained.

vi) Under no circumstances, treated waste water discharge from ETP shall be used for dual plumbing for flushing purpose.

vii) Under no circumstances, treated waste water discharge from ETP shall be used for agricultural cultivation purpose also. The discharge and out let of ETP (after treatment) to be checked for its safe quality periodically.

viii) The Decongestion plan as given by the proponent in the traffic density study report shall be implemented for compliance with a definite time frame.

ix) The Proponent shall obtain permission/NOC from Executive Engg (PHD) and / or from the appropriate authority for disposal of excess STP treated water to the nearest drain without which the Proponent will not start construction work. Also, in case of the connecting drain passing through others land (Govt. or Private land), the Proponent shall obtain the permission and possession as the case may be.

x) Permanent Environment Management Cell with environment professionals shall be in place, within a definite time frame.

xi) This EC may be granted subject to strict compliance by the Authority concerned on the conditions and commitments made by PP.

xii) This EC granted without prejudice to any order or direction from any court of competent jurisdiction or competent authority under applicable laws including that of any litigation or legal dispute on land (if any).

xiii) The proponent shall make agreement with authorized parties for lifting / handling of Bio-Medical Waste.

xiv) A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the Municipal Solid Waste generated from project shall be obtained.

xv) The proponent shall comply to the recommendations of fire safety authority.

xvi) The PP and/ or the appropriate authority for the purpose shall comply with all the conditions of EC and if anything is found/ noticed otherwise at any point of time, the EC so granted shall be deemed to have withdrawn/revoked with immediate effect besides levy of penalty or actions as deem fit under applicable laws.

xvii) The provisions of Energy Conservation Act, 2002 with its amendments shall be implemented by Project Proponent while deciding the installation of all types of Electrical, Electronic & any other Energy Consuming Equipments in hospital entire project area with the philosophy of Energy Conserved is Energy produced and thus protect environment.

xviii) The Campus of the project area shall be provided with Pucca Boundary Wall with an intention to protect the Green Belt, treatment Plants, Energy Conservation Equipments and Biodiversity of the project.

However, EC may be issued after receipt of following documents from the proponent:

1) An undertaking that no construction work has been initiated at the site and the land is having connectivity with existing drain. If any private or Govt. land is used for such drain connections, ROR or permission from the concerned authority shall be submitted before going for construction activity.
2) Copy of traffic study vetting letter vetted by a reputed institute

In this regard, the project proponent has already complied the above two conditions by SEAC.

Decision of Authority: After detailed deliberations, the Authority decided **to deferred the proposal** and ask the PP to submit the following:

- The KML file of the project site shall be e-mailed(seiaaodisha@gmail.com) & also uploaded.
- The SPCB may be requested to submit the site inspection report in regards to the violation as alleged in the complaint petition copy.
- The PP shall demarcate the project area using DGPS survey with pillar posting before the site visit by SPCB officials.

APPROVED BY

Member Secretary, SEIAA **Member, SEIAA** **Chairman, SEIAA**

12.12.2022

AGENDA NO.102.2	
Proposal No.	SIA/OR/MIS/239247/2021
Date of Application	25.11.2021
File No.	239247/60-MIS/11-2021
Project Type	Fresh EC
Category	B2
Project/Activity including Schedule No.	8(a) Building and Construction projects
Name of the Project	Proposed housing Project for Environment Clearance for LS+US+12 multi storied residential apartment building plan with Commercial Facility in Mouza :Patapur, Dist : Cuttack, Odisha.
Name of the company/Organization	Saswat Infrastructure. Applicant: Sri.Swadesh Kumar Routray,Director
Location of Project	Odisha
ToR Date	NA
Name of the Consultant	M/s. Centre for Envotech & Management Consultancy Pvt. Ltd. Bhubaneswar

Proposal in brief :

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

(i) The proposal is for Environmental Clearance of M/s Saswat Infrastructure Pvt. Ltd. for proposed Multi Storied Residential Apartments building plan with Commercial Facility of LS+US+12 over a total built up area of 43,223.23 sqm located at Mouza: Patapur, Dist: Cuttack.

(ii) As per EIA Notification dated 14th Sept, 2006, as amended from time to time; this project falls under Category "B", Project or Activity 8(a) Building and Construction projects (EIA Notification dated 14th Sep, 2006 as amended on 2009).

(iii) Location and Connectivity – The proposed site is located at Mouza-Patapur, Dist- Cuttack, Odisha. The Geographical co-ordinate of the project site is: Latitude – 20°26'51.52"N & Longitude - 85°50'0.98"E. River Katajorhi is flowing at a distance of 200 metres in the North direction. The Nearest Railway Stations are Barang at 5.5 Km, Cuttack Railway Station is 7.2 km from project site and Bhubaneswar Railway Station is at a distance of 20 Km (by road) from Project site. The nearest Airport is Biju Patnaik Airport, Bhubaneswar, which is approx. 23 km (by road) from the project site.

(iv) The site is coming under Cuttack Development Authority.

(v) The total plot area is 9359.81 Sqmt. (2.31Acres). with total built-up area 43,223.23 Sqmt.

(vi) The building details of the Project:

Particular	Proposed	Permissible
Project Name	SaswatInfrastructure Pvt. Ltd.	--
Plot Area	9432.52 Sqm	--
Ground Coverage	3743.02 sqm (39.99 %)	--
FAR (Floor Area Ratio)	3.632	-
FAR Area	34259.91 sqm	
Built up Area	43223.23 sqm	--

Maximum Height	45.04 m	--
Total Parking Area	8547.22 sqm	
Green Belt Area	1871.96 sqm (20 %)	1871.96 sqm (20 %)
Road Area	1829.66 sqm	
Parking Area	Covered – 6632.05 sqm Open – 1915.17 sqm **Total – 8547.22 sqm**	8525.53 sqm
Maximum No. of Floor	LS+US+12	--
Power/Electricity Requirement & Sources	Total – 1566.6 KW Solar – 98.24 KW TPCODL – 1468.36 KW	--
No. of DG sets	1x200 KVA & 1x82.5 KVA	--
Water requirement	137.2 KLD (Fresh)	--
Sewage Treatment Plant	STP Capacity - 200 KLD	--
Estimated Population-Residential, Commercial, Floating/visitors	Residential - 1477 Nos. Floating – 148 Nos. Commercial- 58 Nos.	--

(vii) Water Requirement – Fresh make up of 137.2 m3/day will be required for the project which will be sourced from Ground water. Waste water of 177.9 KLD will be treated in a STP of 200 KLD capacity, which includes primary, secondary and tertiary treatment.

(viii) Rain Water will be harvested through 10 nos. of Rain Water recharging pits.

(ix) Power Requirement - The total consolidated electrical load estimate for proposed project is about 1768.5 KW. Power from Solar is 98.5 KW. The 1670.0 KW power will be supplied by 11 KV source of TPCODL of Odisha State Electricity Board. Also, in case of power cut, 100 % power backup generator will be provided for common uses only. For this purpose diesel generator having 200 KVA (1 no.) & 82.5 KVA capacities will be provided. Total Solar Power provided will be 98.24KW(6.27% of the total demand load).

(x) Solid waste Management – The solid waste generated from the project shall be approx. 781.9 kg per day during operation of project. Proper waste management practices will be adopted during the collection, storing and disposal of the generated solid waste as per the guidelines of Solid Wastes Management Rules, 2016

(xi) Green Belt- Green belt will be developed over an area of 1871.96 sqm which is 20.0 % of the plot area; by using the local species like Radhachuda, Nageswar, Akash Neem, Ashok, Polanga, Karang, Bela, Pijilu, Kaniara, Tagar, Hena, etc.

(xii) Parking Details – Total parking area allocated to the project is 8547.22sqM/ 314ECS.

(xiii) The project cost is ` 180 crores and Environmental Monitoring programme – 3.6 crores.

(xiv) The Environment Consultant M/s Centre for Envotech & Management Consultancy Pvt. Ltd. Bhubaneswar along with the proponent made a detailed presentation on the proposal before the SEAC on 22.12.2021.

(xv) The sub-committee of SEAC visited the project site on 16.03.2022.

(xvi) The project proponent furnished additional information / documents on the project to SEAC on 01.11.2022.

(xvii) The SEAC have appraised the proposal in its meeting dated 05.11.2022 and recommended for grant of Environmental Clearance for the project valid for a period of 10 years, stipulating various conditions.

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

Whether SEAC recommended the proposal – Yes, the SEAC recommended for grant of Environmental Clearance valid for 10 years with additional specific conditions in its meeting dated 05.11.2022.

i) The Proponent before implementation of the project shall convert the land to Gharabari and shall take the ownership of the land if not already taken.

ii) The Proponent shall obtain permission/NOC from Executive Engg (PHD) and / or from the appropriate authority for disposal of excess STP treated water to the nearest drain without which the Proponent will not start construction work. Also, in case of the connecting drain passing

through others land (Govt. or Private land), the Proponent shall obtain the permission and possession as the case may be

iii) The proponent shall use solar energy atleast to the tune of 5%of total power requirement as proposed.

iv) Trees located within the project area shall be transplanted to alongside the boundary green development area.

v) To reduce discharge of treated water to open drain, the proponent shall use more water for increased number of trees proposed to be planted in the green belt area & shall also utilize this treated water for car washing, floor washing to minimize the surplus discharge to drain.

vi) The proponent shall implement the Pollution Control Measures and safeguards as proposed in the Environment Management Plan (EMP) of project report.

vii) The proponent shall Comply to the provision of structural stability certificate as per the bye- law of the Development Authority.

viii) When the public water supply will be available adjacent to/ in the vicinity of the proposed project in future, the PP shall avail it following due procedure of the Govt if the concerned authority agrees and dispense with the drawl of ground water except one borewell for emergency purpose. The PP shall take up suitably for the purpose with the concerned authority of the Government.

ix) The structural stability shall be vetted by NIT or IIT before construction

x) The PP shall adhere to terms of Agreement with CDA

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

Decision of Authority:

After detailed deliberations, the Authority decided to **grant Environmental Clearance** to the proposal with stipulated conditions as recommended by SEAC.

APPROVED BY

Member Secretary, SEIAA | **Member, SEIAA** | **Chairman, SEIAA** 12.12.2022

AGENDA NO.102.3	
Proposal No.	SIA/OR/IND/77824/2022
Date of application	09.06.2022
File No.	77824/30-IND/06-2022
Project Type	Fresh ToR
Category	B1
Project/Activity including Schedule No.	2(b) Mineral beneficiation
Name of the Project	Proposal of ToR for Installation of Chrome Ore Benefication Plant of capacity 4,95,000 TPA throughput at Village-Tomka, Tehsil-Danagadi, District-Jajpur, Odisha of M/s Ferro Alloy Corporation Limited.
Name of the company/Organization	M/s Ferro Alloys Corporation Ltd
Location of Project	Odisha
ToR Date	NA
Name of the Consultant	M/s Ardra Consulting Services Pvt. Ltd. Bhubaneswar

Proposal in brief :

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

(i) 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.

(ii) M/s Ferro Alloys Corporation Ltd (FACOR) has applied for "Terms of Reference (ToR)" for Installation of Chrome Ore Benefication Plant of capacity 4,95,000 TPA throughput Village-Tomka, Tehsil - Danagadi, District - Jajpur, Odisha.

(iii) M/s Ferro Alloys Corporation Ltd (FACOR) owns a Chromite Ore Beneficiation (COB) plant with an output capacity of 20 TPH at Ostopal chromite Mine, village- Gurujanga, PO- Kaliapani of Jajpur district in Odisha. Due to the recent expansion in mine production and proposed expansion of Charge Chrome Plant, the company has proposed to establish a new stand-alone Chromite Ore Beneficiation plant with a production capacity of 4,95,000 TPA at Village-Tomka, Tehsil-Danagadi, District-Jajpur, Odisha over an area of 23.88 acres (out of which 21.95 acres will be utilized for the plant establishment).

(iv) Location and Connectivity - The project is of total area 23.88Ac. and located at Village – Tomka, Tahasil-Danagadi, District - Jajpur, Odisha. The Geographical co-ordinates of the project site is: Latitude - 21° 5'23.28"N to 21° 5'37.59"N & Longitude - 85°58'0.36"E to 85°58'6.30"E and under the Survey of India Toposheet No. F45N-16 & F45O-4. The nearest NH is NH 5 is about 12-15km. Nearest approachable roads are Keonjhar-Paradeep Expressway is at 0.1 km and nearest State Highway (Naranpur-Duburi Road) is at 2 km. The nearest railway station is Tomka Railway Station (1.78 km). The nearest airport is Bhubaneswar International Airport (119 km) from project site. Nearest Habitation is Arasahi (0.085km, E) and Tomka (1.4 km, SSW). A perennial Nala is at 0.1km and nearest river is Brahmani Tributary (4.2 km, N). Nearest Reserve forest is Tomka RF (0.120 km, SW).

(v) Manufacturing Process - This COB plant will follow the wet method and will be operated through an integrated plant comprised of Reflux TM Classifier and Spiral Concentrate followed by clarifier & Filter Press for getting the concentrate as desired. Though this process of Chrome Beneficiation, the company aims to upgrade the locally available 40% Cr concentrated ore (obtained from its own chromite mines or other mines residing over the Sukinda Valley) into 52% Cr concentrate, which will be used as the feedstock in its own Charge Chrome Plant at Randia, Bhadrak. The annual feed chrome ore to be processed 4,95,000 tons (0.495 million TPA throughput) of below 40% Cr grade ore and will be

processed in this plant to fetch 2,97,000 TPA Chrome Concentrate.

(vi) Water Requirement - Total water requirement will be 250 KLD (Domestic - 10KLD & For beneficiation plant - 240 KLD). Water is will be sourced from either ground water/borewell or surface water. Industrial liquid waste will be treated in the Effluent Treatment Plant (ETP – 250KLD) whereas the domestic liquid waste will be recycled by the Sewage Treatment Plant (STP – 10 KLD) and will be used for the greenbelt.

(vii) Power Requirement - The total power requirement for the project will be 3.5 MW. Power is will be sourced from local grid which will provide the electricity by using 33 KV high-tension Power Line and 33KV/0.440 KV distribution Transformers.

(viii) Employment Potential - Around 92 employees will be employed in running the COB plant, while another 250 people will be either directly or indirectly employed for the various operations.

(ix) Greenbelt - Greenbelt / plantation will be done in about 33% (i.e., 4.25 acres) of the total project area.

(x) Solid Waste Generation - The solid waste will be generated as the tailing (1,98,000 TPA), which will be stacked and utilized for the backfilling in the mines after the 3rd year of the project. Similarly, the hazardous waste (0.5 TPA spent oil) will be stored in the designated drums and sold to the authorized recyclers.

(xi) Project Cost - The total capital cost of the project is ` 55.4 Crores.

(xii) The project proponent along with the consultant M/s Ardra Consulting Services Pvt. Ltd. Bhubaneswar made a detailed presentation on the proposal on 08.07.2022.

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

Whether SEAC recommended the proposal – Yes, SEAC have already recommended for grant of ToR for the project in its meeting dated 05.11.2022 as per Annexure-B.

Decision Of Authority:

After detailed deliberations, the Authority **approved the Term of Reference (ToR)** with Standard and Specific conditions as recommended by SEAC for undertaking detailed EIA studies for the project.

APPROVED BY

Member Secretary, SEIAA | **Member, SEIAA** | **Chairman, SEIAA**

2.12.2022

AGENDA NO.102.4	
Proposal No.	SIA/OR/MIN/78723/2022
Date of application	23.06.2022
File No.	78723/289-MINB1/06-2022
Project Type	Fresh ToR
Category	B1
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal of ToR for Basenpali Stone Quarry over an area of 5.56 Ha/13.75Acre in village-Basenpali, under Tahasil-Lakhanpur Jharsuguda district, Odisha.
Name of the company/Organization	M/s Shree Radharaman Stone Crusher Pvt. Ltd Applicant: Sri Susil Kumar Agrawal
Location of Project	Odisha
ToR Date	NA
Name of the Consultant	M/s Kalyani Laboratories, Bhubaneswar

Proposal in brief :

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

(i) 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.

(ii) The project falls under category "B" or activity 1(a) - Mining of Minerals projects under EIA Notification dated 14th September 2006 as amended from time to time

(iii) The proposed project is for Basenpali Stone Quarry over an area of 5.56 Ha. /13.75Acres in village-Basenpali, under Tahasil - Lakhanpur of District - Jharsuguda of M/s Shree Radharaman Stone Crusher Pvt. Ltd. Of Sushil Kumar Agrawal, Director.

(iv) The Basenpali stone quarry has been granted by the Tahasildar, Lakhanpur and M/s Radharaman Stone Crusher Pvt. Ltd has been declared as the successful bidder for grant of Basenpali stone quarry over 13.75 Ac.(5.56 Ha.) in Mouza- Basenpali, Khata No. 1 and Plot No. 580,106/829(P),106/828(P) and 594/832(P) for a period of 5-Years vide Lease Letter No.102, dated 08.01.2018.

(v) The mining plan for Basenpali Stone quarry has been approved by the Director Geology Sambalpur Odisha vide letter no.1269/ZS on dated 17.05.2018.

(vi) Location and Connectivity - The lease is located in survey of India toposheet no. F44R9(64O/9) and bounded between the latitudes of 21°47'30.5" E to 21°47'46.5" E and longitudes of 83°32'57.3" N to 83°33'09.0" N. on Khata No. 1 and Plot No. 1(P),3(P) Kisam: Jalabhandar. Nearest Railway station is Raigarh Railway Station at a distance of 19 Km from the project site. The nearest road is NH 200 located at a distance of 0.5 Km. Nearest airport is Jharsuguda airport at a distance of 55 Km from the mining Lease area. Nearest water reservoir is Hirakud – 4.5km. Nearest habitation – Basenpalli at 1.9km. Nearest RF – Jhargan at 2.5km. Debrigarh wild life sanctuary at 9km. Nearest State Boundaries (Odisha-Chatishgarh) at 1.5km. Nearest road bridge at 0.6km.

(vii) Total Reserves – Geological reserve is 976557cum and Mineable reserve is 596203cum.

(viii) Method Of Mining - The method of mining will be semi mechanized method. The total production in five years is up to 276777m3 per annum. The details of year wise production is given below,

Table No.1.1: Details of Year Wise Production

Year	Length Of Influence(M)	X-Area Of Rock Mass (M^2)	Vol. Of Excavation (M^3)	Vol. Of Rock Mass (M^3)	Vol. Of Waste (M^3)	X-Area Of Soil (M^2)	Vol. Of Soil (M^3)
A	C	D	E= C X D	F=E x 90%	G=E x 10%	H	I= H X C
1st Year	153	400	61200	55080	6120	10	1530
2nd Year	153	401	61353	55218	6135	9	1377
3rd Year	153	402	61506	55355	6151	10	1530
4th Year	153	403	61659	55493	6166	11	1683
5th Year	153	404	61812	55631	6181	10	1530
Total			**307530**	**276777**	**30753**		**7650**

(ix) Mining of rock mass will be worked out by opencast method of mining. Handling of rock mass will be done both manually and by excavators. Handpicks, spade, chisel, hammer will be used by manual labors for sorting and sizing. The loosening of rock mass will be done by drilling and blasting. Drilling will be done either by wagon drill or jack hammer taking in to consideration the bench height varying from 3 meter to 6m.

(x) Mine road will be maintained between benches with Suitable gradient of haul road will be maintained in between 1 in 16 to 1 in 20.

(xi) Ultimate depth of Mining 178 mRL respectively. The proposed pit dimension will be 196m x 145m after plan period.

(xii) Water Requirement - 3KLD of water will be required from which 1KLD of water will be required for drinking & domestic purpose. 2 KLD of water is suggested to be utilized for dust suppression and plantation purpose. Water will be sourced from private water tankers and rain water harvesting from the existing quarry.

(xiii) The total excavated rock mass will be utilised as road metal. Hence, 30753 cum of waste/reject will be generated in the plan period. Waste/rejects to be generated from the lease area will be utilised for making of mine road and allied infrastructures. The soil to be generated will be stacked in the earmarked temporary soil stack and will be utilised for the plantation purpose to be undertaken around quarry and adjacent to haul roads.

(xiv) Green Belt - In the process, 1618 nos. of saplings will be used for plantation in the quarried out areas of 1.011Ha. within lease respectively.

(xv) 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 100 Lit/day.

(xvi) Employment Potential - The mining activity will generate employment for 12 workers (Skilled-1nos., Semi-skilled-02nos. and Un-skilled-07nos.& Mines Manager/Mine Permit Manager-02nos).

(xvii) The project cost is ` 20 lakhs.

(xviii) The Environment consultant M/s Kalyani Laboratories (Pvt) Ltd., Bhubaneswar along with the proponent has made a presentation on the proposal before the Committee on 09.04.2021.

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

Whether SEAC recommended the proposal – Yes, SEAC have already recommended for grant of ToR for the project in its meeting dated 05.11.2022 with stipulated conditions. the SEAC prescribed the following specific ToRs in addition to standard ToRs for mining projectfor 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) Land documents with kisam of land.
(xi) The proposed quarry is located within the backwater area of Hirakud Dam which will remain submerged during rainy season. NoC from Water Resources Department, Govt. of Odisha shall be obtained for this purpose. Copy of the NoC obtained from Water Resources Department, Govt. of Odisha shall be submitted along with EIA/EMP report.
(xii) Mitigation measures to be taken to ensure not to affect Hirakud reservoir and contamination of river due to mining.
(xiii) The project proponent shall maintain periodic health check-up records of their employees and ensure use of face mask by workers in crushing and handling sections of the stone quarry for ensuring that working personnel are not affected by silicosis.

Decision of Authority:

After detailed deliberations, the Authority **approved the Term of Reference (ToR)** with Standard and Specific conditions as recommended by SEAC for undertaking detailed EIA studies for the project, and The DFO, Hirakud Wildlife Division, Sambalpur may be requested to clarify the exact distance of Debrigarh Wildlife Sanctuary from the stone quarry and submit whether the proposed quarry is within the Eco -sensitive zone.

APPROVED BY

Member Secretary, SEIAA **Member, SEIAA** **Chairman, SEIAA**

AGENDA NO.102.5	
Proposal No.	SIA/OR/MIN/280602/2022
File No.	IA-J-11015/117/2018-IA-II (M)
Date of application	28.06.2022
Project Type	Amendment in ToR
Category	B1
Project/Activity including Schedule No.	2(b) Mineral beneficiation
Name of the Project	Amendment to the TOR granted on 4th Mar'2021 in respect of Tiringpahar Iron & Mn Mines of Tata Steel Limited to include expansion plan together with ratification of existing EC from EIA 1994 to EIA 2006.
Name of the company/Organization	M/s Tata Steel Ltd.
Location of Project	Odisha
ToR Date	NA
Name of the Consultant	M/s Vimta Labs Ltd., Hyderabad

Proposal in brief :

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

(i) The proposal is for amendment of Terms of Reference for Tiringpahar Iron & Manganese Mine for regularization of existing EC under the provisions of EIA, 2006 and enhancement of production of Mn Ore from 0.85LTPA (0.98LTPA ROM) to 5.38LTPA (ROM) and production of Iron Ore for 6.889LTPA (ROM) at villages Guruda, Palasa (Kha), Jadibahal&Khondbondh, Barbil Tehsil, Keonjhar District for M/s Tata Steel Limited of Mr. Sabyasachy Mishra.

(ii) Tiringpahar Iron & Mn Mine was granted Environmental Clearance (EC) under EIA 1994 Notification vide Ministry's Letter No. J-11015/87/2004-IA. II (M) on 17th November 2005 for production of 0.85 LTPA of Manganese Ore.

(iii) The mine is located over ML area of 169 ha at Palsha (Kha), Khondbond, Jaribahal and Gurda villages of Keonjhar district in the state of Odisha.

(iv) The ML area consist of 133.174 ha of Forest Land & 35.826ha Non-Forest Land. Out of which Stage-II (Final) forest clearance has been obtained over 52.348ha of forest land and Stage-I forest clearance over balance forest land of 80.826ha.

(v) This proposal initially was submitted in accordance with the ministry's notification no S.O (E)1530 dated 06.04.2018, for ratification of previously granted EC from EIA 1994 to EIA 2006 notification.

(vi) This was deferred by the EAC in it's 37th meeting dtd. 24th Oct 2018 on account of the observed violation attributed to excess production for year 2006-07 i.e. 86715 Tonnes as against the approved EC capacity of 85000 TPA.

(vii) The Ministry re-examined the case and vide it's letter no. J-11015/117/2018-IA.II(M) dtd. 14th Dec 2018 directed Department of Forest & Environment, Government of Odisha, to initiate credible action against the project proponent under section 19 of Environment (Protection) Act,1986.

(viii) Accordingly, credible action against the lessee was initiated by filing a case bearing no 2 CC 81 of 2020 in the court of JMFC Barbil and the status of the same was communicated to Ministry by Dept. of Forest & Environment, GoO vide it's letter no FNV-I-24/2018/17434/F&E, dtd. 06-11-2020.

(ix) Subsequently, the Ministry was please to reconsider the proposal in it's 27th EAC meeting held during 3rd Feb to 5th Feb 2021 and granted the Terms of Reference on 4th March 2021 for ratification of existing EC from EIA 1994 to EIA 2006 regime.

(x) In order to include the proposed expansion plans, an application for the amendment of TOR granted earlier was submitted, on 20 July 2021, which was returned in the present form (30th July 2021) on account of the stay imposed by Hon'ble Madras High court on Ministry's SOP for dealing with violation case.

(xi) Based on the verbal suggestion by Hon'ble EAC, for the other proposals involving ratification and expansion, a fresh application was made in Form I on 16th Feb 22. This was heard by the Hon'ble EAC on 28th March 2022 in its 48th EAC (Non-Coal) however it was returned in the present form with a written suggestion to seek amendment in the TOR granted on 4th March for inclusion of the expansion in manganese ore & inclusion of iron ore as a new product.

(xii) Now in view of the above suggestion by EAC and Ministry's notification vide SO no: 1886(E). Dated 20th April 2022, the present proposal is applied before SEIAA, Odisha as the leasehold area is less that 250 Ha i.e: 169 Ha.

(xiii) The company had submitted the proposal for the ratification of the existing EC from EIA 1994 to EIA 2006 notification for which the ministry has approved TOR on 4th March 2021.

(xiv) The proposed expansion aims at

- Expansion in production capacity of Manganese ore from 0.85 LTPA to 5.38 LTPA (ROM)
- Production of Iron ore (New Product) for 6.889 LTPA (ROM)
- With overburden generation of 41.62 LTPA (Peak) & total excavation of 52.36 LTPA.

(xv) The Tiringpahar mining lease is located at Palsha, Khondbond, Jadibahal and Guruda village at Barbiltahasil in Champua sub-division of Keonjhar district in Orissa. The deposit at Guruda block of Tiringpahar lease is located at about 25 km from Barbil town.

(xvi) **Location and Connectivity** - The area falls under survey of India Topo Sheet Nos. 73 G/5 (New Topo Sheet Nos. F 45N/5). It is bounded between Latitudes 21°54'00" N to 21°57'00" N & longitudes 85°23'00" E to 85°25'00" E. The project with mine lease area of 169.0ha is a Category B project as the Mining lease is less than 250 ha. The deposit at Tiringpahar is located at about 25 km from Barbil town. Nearest railhead is at Banspani at 10 km which is connected by Tata Barbil branch line of SouthEastern Railway at Padapahar.

(xvii) **Requirement of Project: -** The mine is an operational opencast mine operated with shovel-dumper combination for production of Manganese ore for 0.85LTPA. Presently, The Company is planning and implementing a growth plan targeting to enhance the production of steel from 18.5 MTPA to 30 MTPA by 2025-26. Targeted production of 30MTPA shall be achieved by expansion of steel Plant at Jamshedpur from 11 MTPA to 13 MTPA, steel plant at Kalinganagar, Odisha from 3 MTPA to 8 MTPA and rest through recently acquired Tata Steel BSL (located at Angul, now named as Tata Steel Meramundali) and at Tata Steel Long products ltd (Located at Gamharia). Accordingly, the requirement of ferro alloys will increase for which ore requirement will also increase. To cater to the enhanced requirement of ore, expansion of Tiringpahar Iron & Manganese Mines has been envisaged.

(xviii) **Statutory clearances obtained: -**

(xix) **Status of Environment Clearance** - The project has previously obtained the Environmental Clearance from the MoEF vide Letter no. J-11015/87/2004-IA II(M) dt 17.11.2005 for production of 85000 TPA of Manganese Ore as per the EIA notification 1994. The public hearing for the project was held on 29.09.2004.

(xx) **Status of Forest Clearance** - The land within the ML area of 169 Ha consists of 133.174 ha Forest Land and 35.826 ha Non-Forest Land. Stage –II Forest clearance over an area of 52.348 has been obtained vide MoEF, Govt. of India letter no. 8-80/2004-FC, Dt.28.03.2007 and Stage-I clearance for balance forest area 80.826 ha by MoEF&CC vide letter F.No. 8-01/2019-FC, dated 02.08.2019.

(xxi) **Consent to Operate** - The project has also obtained the Consent to operate for production level at 85000 TPA of Manganese Ore under Air (Prevention and Control of Pollution) Act, 1981 & Water (Prevention and Control of Pollution) Act, 1974 from State Pollution Control Board, Orissa. (Consent Order No.115, valid up to 31.03.2025).

(xxii) **Water Requirement** - The present water consumption for the project 56 KLD however this will increase with proposed expansion to 225KLD. The project has already been accorded with permanent water allocation order by Dept. of Water Resource, Govt. of Odisha vide allocation order ref No. 7397/WR/WR-MAJII-WRC-0012/2020 (OSWAS) dtd.13-03-2020 for withdrawal of 0.4CUSEC from Baitarani River.

(xxiii) **Power Requirement** - The supply of electrical energy for the mining complex is received from local electrical sub-station of TPNODL The power requirement for the Mining complex is presently around 39744 Kw-h (in 2020-21). However, a rise of around 45-55 % w.r.t the present level is envisaged for the

proposed expansion. It is presently sourced from distribution network of TPNODL and this will continue in future.

xxiv) Baseline Environmental Monitoring has been already carried out during Pre monsoon Season (Mar2020-May 2020).Environmental monitoring has been carried out for various aspects like micro–meteorology, Ambient air quality, Ambient noise levels, Surface & Ground water quality, Hydro-geology, soil quality, biological environment, socio-economic studies etc.

(xxv) Life of Mine - The proposed expansion is planned with an expected life of 8 years, till the expiry of lease i.e.31st March 2030.

xxvi) The project proponent along with the consultant M/s Vimta Labs Ltd., Hyderabadmade a detailed presentation on the proposal on 03.08.2022

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

Whether SEAC recommended the proposal – Yes, SEAC have already recommended for grant of ToR for the project in its meeting dated 02.11.2022 as per Annexure-B.

Decision of Authority:

After detailed deliberations, the Authority **approved the Amendment in Term of Reference (ToR)** with Stipulated conditions as recommended by SEAC for undertaking detailed EIA studies for the project

APPROVED BY

Member Secretary, SEIAA | **Member, SEIAA** | **Chairman, SEIAA**

AGENDA NO.102.6	
Proposal No.	SIA/OR/MIS/82404/2022
Date of application	24.08.2022
File No.	82404/14-MIS/08-2022
Project Type	Fresh ToR
Category	B1
Project/Activity including Schedule No.	7(d)-Common hazardous waste treatment, storage and disposal facilities (TSDFs)
Name of the Project	Establishment of Common Hazardous Waste Treatment, Storage and Disposal Facility (CHWTSDF) at Village- Parmanpur, Teshil-Kolabira,District- Jharsuguda, Odisha by Utkal Innovation
Name of the company/Organization	M/s. Utkal Innovation
Location of Project	Odisha
ToR Date	NA
Name of the Consultant	Visiontek Consultancy Services Pvt. Ltd., Bhubaneswar

Proposal in brief :

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

(i) 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.

(ii) M/s. Utkal Innovation has applied for Terms of Reference (ToR) for Establishment of Common Hazardous Waste Treatment, Storage and Disposal Facility (CHWTSDF) over an area 63.5 acres at Village-Parmanpur, Tahasil- Kolabira, District- Jharsuguda, Odisha.

(iii) As per EIA Notification dated 14th Sept, 2006, and amendment thereof; this project falls under Category "B", Project or Activity 7(d)-Common hazardous waste treatment, storage and disposal facilities (TSDFs).

(iv) Utkal Innovation approached Odisha Industrial Infrastructure Development Corporation and State pollution Control Board to set up TSDF in central Odisha to cater the need of industries in Odisha. The land considered is at Village Parmanpur in the District of Jharsuguda. The area of plot is 63.5 acre (25.69Ha)and the proposed facility will cater the needs of all hazardous generating industries. Jharsuguda is near to the boundary of Sundergarh, Sambalpur industrial estate and major industries like Smelters, Integrated Steel plant, Refractory, Thermal Power, Mines and Small- Medium Reprocess or are operating in this industrial area.

(v) Location & Accessibility: The project is located at Village- Parmanpur, Teshil- Kolabira, District-Jharsuguda. The geo coordinates of the project site are: Latitude: 21°48' 46.77" N & Longitude: 84° 06' 53.63" E. The proposed site is on the outskirt of the village and at a distance 0.65km to NH 49. The nearest railway station is Jharsuguda at 11.5km and nearest airport is V.S.S Airport, Jharsuguda 12.5km. Nearest habitation is Kalibahal at a distance of 0.57km. Nearest water body is Kharkhari Nala – 1.05 km (NW). The area of plot is 63.5 acre and the proposed facility will cater the needs of all hazardous waste generated in surrounding industries.

(vi) Jharsuguda has an average elevation of 218 meter (715 ft). The climate is tropical in Jharsuguda. In winter, there is much less rainfall than in summer. The temperature here averages 33.1°C. The highest temperature recorded during the summer months is 48.0 °C. The annual rainfall is 1,527 mm.

(vii) The total Capacity of the proposed project of secured landfill and stabilization treatment will be 50000 TPA (Direct landfill: 30000 TPA and Treatment/Stabilization: 20000 TPA). The Facility is located strategically at Jharsuguda District which is the Common Boundary of Industrial cluster like Jharsuguda, Sundargarh, Bargarh, Bolangir, Sambalpur, Angul, Keonjhar and Deogarh Belt of Odisha.

(viii) Process Description with Technology:

Landfill - Secured landfill is the part of waste management facility. This place is final graveyard for the hazardous wastes. This secure landfill is prepared as cells in which waste is encapsulated. These cells have bottom liner, side liners and top liner. The impermeability and reactivity of these liners is of prime importance. After construction of bottom and side liners waste is filled into cells. On complete filling of waste, the top liners are placed and packed. Leachate collection system is provided in cell in order to collect leachate out in well for the further treatment and disposal. The landfill will be designed and constructed as a secure facility to contain the waste material and any Leachate, which is formed by the entrapped moisture or by infiltration of rainfall. To meet these requirements, the base of the landfill shall be designed as an engineered liner constructed prior to the placement of waste and also an engineered capping over the surface after completion of filling to minimize the infiltration of rainfall. The base liner of the landfill containment system is proposed to be a double composite liner with synthetic geo-membrane plus clay. Adequate Leachate collection system shall be incorporated at the base to collect and remove the Leachate. A Leachate collection and removal system shall also be placed over the primary liner to collect and remove any Leachate generated by infiltration of precipitation or by the moisture entrapped in the waste. This makes the secondary system to serve as a leak detection system and an early warning of potential future liabilities to necessitate action for remediation. Above the drainage system of the primary liner shall be placed a geo-textile filter to act as a filter/ barrier between the waste and the drainage system. This entire system would make the base liner a double composite liner meeting the national laws.

(ix) Landfill Life, Closure and Post Monitoring: - The proposed landfill life is expected to be 25 years and will be closed with top single liner and covered with top soil minimum 60 cm with vegetation. Gas vent system shall be provided. The post monitoring of soil, leachate and air shall be carried out on regular basis for 30 years

(x) Treatment & Disposal:

Waste Treatment and Disposal Scheme:

Leachate Management - A leachate collection system shall be designed at the base of all the landfills. It shall comprise of drainage layer i.e. layer of pebbles of greater permeability, leachate collection sump, and its removal i.e. pump. One number of solar evaporation pond with impervious lined (one stand by) shall be provided to manage the leachate as per CPCB guidelines. After collecting the leachate it shall lead to onsite Leachate Treatment Plant, This involves complete treatment of the leachate to meet the discharge standards for lined drains. Treatment process may be biological, chemical or physical. Leachate collection and removal shall be provided above the geo-membrane in two layers viz., the primary and the secondary liners. The primary liner shall serve as Leachate collection and removal system, while the secondary liner shall serve as leak detection system and a signal of potential liabilities in terms of environmental pollution.

Gaseous Emission Management - This system shall be optional as landfill gas is generated as a product of waste biodegradation or on account of presence of VOCs in the waste. Gas generation can be avoided or reduced by avoiding disposal of biodegradable / organic waste. If the gaseous emissions are anticipated, the gas management strategy shall be (a) controlled passive venting or (b) control collection and treatment /reuse.

(xi) Anticipated Environmental Impact &Mitigation Measures - A comprehensive environmental management plan (EMP) will developed along with EIA report which will be followed throughout the construction, operational and restoration phase of the project development.

(xii) Water Requirement: Maximum water consumption will be 20 KLD which will be available from JMC (Jharsuguda Municipal corporation) & through1 bore well. The waste water will be treated and waste water will be used in greenbelt. Leachate and effluent from landfill will be treated in Effluent Treatment plant (ETP) with capacity of 10 KLD and Solar evaporation pond (SEP).

(xiii) Manpower: During construction phase, the labours and workers will be hired from local village. The total manpower required in construction phase will be 100 and in operation phase will be 60.

(xiv) Power Requirement: The power requirement will be met through 420 KVA connecting loads of Tata Power Western Odisha Distribution Limited (TPWODL). In case of power failure, one D.G. Set shall be used (124 KVA capacity) in Emergency only. HSD at rate of 3KL/Month will be used as fuel in D.G. set.

(xv) Greenbelt - A greenbelt development plan will be prepared and implemented along with the project. Total green belt area shall be of 21 acre (33% of 63.5 acre). The main objective of the greenbelt is to provide a barrier between the plant and the surrounding areas.

(xvi) Project Cost:The estimated cost of the Project is approximately Rs. 46 Crore.

(xvii) M/s Utkal Innovation shall be an important endeavour to mitigate the degradation of environment in the region. The Facility is designed to cater to over more than 200 industrial units within Western Odisha who are generating Hazardous waste.

(xviii) The proponent along with the consultant M/s Visiontek Consultancy Services Pvt. Ltd., Bhubaneswar made a detailed presentation before the SEAC on 12.10.2022.

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

Whether SEAC recommended the proposal – Yes, SEAC have already recommended for grant of ToR for the project in its meeting dated 05.11.2022 with stipulated conditions.

Decision of Authority:

After detailed deliberations, the Authority **approved the Term of Reference (ToR)** with Standard and Specific conditions as recommended by SEAC for undertaking detailed EIA studies for the project.

APPROVED BY

Member Secretary, SEIAA **Member, SEIAA** **Chairman, SEIAA**

AGENDA NO.102.7	
Proposal No.	SIA/OR/THE/402003/2022
Date of application	10.10.2022
File No.	402003/01-THEB1/10-2022
Project Type	Fresh ToR
Category	B1
Project/Activity including Schedule No.	1(d) - Thermal Power Plants
Name of the Project	2 x 30 MW Independent Power Producers Thermal Power Plant located at Village–Bainchua, Tehsil – Tangi, District–Cuttack, State-Odisha by M/s Maadurga Thermal Power Company Limited.
Name of the company/Organization	M/s Maa Durga Thermal Power Company Limited
Location of Project	Odisha
ToR Date	NA
Name of the Consultant	M/s Grass Roots Research & Creation India (P) Ltd., Noida

Proposal in brief :

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

(i) 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.

(ii) M/s Maa Durga Thermal Power Company Ltd., for proposed for Terms of Reference for 2x 30 MW Independent Power Producers Thermal Power Plant located at Village– Bainchua, Tahasil – Tangi, District – Cuttack, State - Odisha of Sri Animesh Gupta.

(iii) As per the EIA notification dated 14th September, 2006, and amended thereafter, the proposal falls in category "B" & Activity 1(d) - Thermal Power Plants.

(iv) Earlier, Environment Clearance was obtained by M/s Maa Durga Thermal Power Company Limited, from SEIAA, Odisha Vide Ref No – SEIAA/337, dated: -04.07.2011 for 60 MW (2 x 30 MW) coal base power plant valid upto 03.07.2018 and Consent to Establish was valid upto 03.01.2016.

(v) Company started the construction work for the project but due to financial condition they couldn't complete the construction of project. Approx. 85% work has been completed as per the earlier granted EC and plant is shutdown since 2018. Thereafter, National Company Law Tribunal (NCLT) initiated the public auction for current plant and M/s Radhe Ram Shaw, M/s Virajaa Power & Steels Pvt. Ltd. and M/s United Ferrocast Private Limited were successful bidder of the auction.

(vi) The proponent has applied afresh for ToRs for EIA study as they were not able to complete the project work as well as had not gone for operation during validity period of Environmental Clearance.

(vii) **Location and Connectivity**: The project site is located at Village – Bainchua, Tahasil – Tangi, District–Cuttack, State-Orissa. The site and study area falls in the survey of India, Topo Sheet No–F45U2 and bounded by Latitude: 20°34'34.48"N and Longitude: 86° 01'12.04"E. The location is in Seismic Zone-III. The project site is located at the distance of about 0.23 km towards South-East from NH-16, NH-55 is at 9.9 km towards WSW direction and SH - 9A is at 9.9 km in SW direction. The nearest village is Bainchua, which is located about 0.4 km towards NE direction. The nearest railway station is KapilashRoad Junction Railway Station which is located at about 3.3 km in SW direction and nearest AirPort is Biju Patnaik

International Airport, Bhubaneswar, which is situated at about 41 km in SW direction. Nearest river is Birupa River at 3.0 km towards SSE direction and Lake is at 6.3 km towards NW direction from the project boundary. There are no Wildlife sanctuaries & National Park within 15 km radius. Nearest forest Panchbhya PF is at 2.6 km in NW direction.

(viii) Land Use: Total land is 32.13 Acre. The land area statement of proposed project is given as below:-

Sl. No.	Description	Area (ac.)
1.	Plant & Machinery	12.32
2.	Ash Pond Area	3.67
3.	Green belt area	10.60
4.	Water Reservoir	2.34
6.	Admin, Parking etc.	3.2
	Total	32.13

(ix) Water Requirement: Water Requirement is approx. 2237 KL/day for boilers, auxiliary units, domestic use, generator, BFWP and air compressor, cooling, drinking etc. Source of water will be surface water from Birupa river. Permission has been obtained from Department of water resources, Government of Odisha Vide Letter No-13741/WR, Irr-II-WRC-65/13, dated: 08.05.2013. The maximum demand of drinking water is assessed to be 5 KLD. No water will be discharged outside the project site.

(x) Power requirement: The power requirement for the project is 3.0 MW and will be sourced from the Chandikhol Grid. One standby DG sets of 750KVA & 750 KVA D G sets will be provided.

(xi) Waste Generation: Ash generated due to combustion of coal will be the main industrial/solid waste generated from the project. With average daily coal requirement of 1728 TPD, it is estimated that about 864 MTPD (considering 50% ash) of ash shall be generated daily. Fly ash will be directly sold to the nearest cement plants like RAMCO, OCL etc. falls near to plant location. MoU is in the process with these plants. The project will have effluent treatment plant and various systems for recycle and reuse of treated effluents. Domestic solid waste will be disposed as per applicable norms.

(xii) Green Belt: The total land under the project is 32.13 acre of which 33.00% land has been earmarked for plantation and greenbelt as per standard norms. After expansion, total green belt & plantation area is 4.28ha. Number of Trees required to be planted = 4.29 x 2500 = 10725 numbers & Number of Trees already planted = 1000 Nos.

(xiii) Sewerage System: The project will involve about 70 people employment in three shift basis however around 50 people additionally may be visiting in project site as truck drivers or cleaners or visitors etc. thus considering 120 people daily disposing the domestic effluent, Domestic effluent collected through toilet blocks and other areas will be collected and will be treated in STP.

(xiv) Rehabilitation and resettlement (R & R) plan: There is no displacement of any houses, habitation or livestock. Thus the project does not require any R & R plan.

(xv) Baseline data has already been collected in Pre Monsoon period i.e. 1st March, 2022 to 31st May 2022.

(xvi) Project Cost: The overall estimated project cost for the proposed unit is 588.99Crores.

Sl. No.	Description	Total Cost (Cr.)
1	Plant & Machinery	200.98
2	Transmission Line Cost	43.89
3	Raw water Reservoir	29.36
4	Land, Building & Civil Construction	68.89
5	Other Misc. Cost	4.24
6	Total Hard Cost	347.36
7	Total Soft Cost	241.63
	Total	588.99

(xvii) Environment Consultancy: The proponent along with the consultant M/s Grass Roots Research & Creation India (P) Ltd., Noida, made a detailed presentation before the SEAC.

(xviii) The Consultant along with the proponent had requested during the presentation to issue Terms of Reference for EIA Study exempting public hearing as per MoEF&CC, Govt. of India amended EIA Notification vide S.O.1247 (E), dated 18th March 2021 as they have already completed construction work

more than 50% during validity period of Environmental Clearance. The proponent had also requested to allow them for use of baseline data collected during March 2022 to May 2022 for EIA study.

(xix) The MoEF&CC, Govt. of India amended EIA Notification vide S.O.1247 (E), dated 18th March 2021 stipulates the following:

"Notwithstanding anything contained above, the projects where construction and commissioning of proposed activities have not been completed within the validity period of the Environmental Clearance (EC) and a fresh application for EC has been submitted due to expiry of the said period of the EC, the concerned Expert Appraisal Committee or State Level Expert Committee, as the case may be, may exempt the requirement of public hearing subject to the condition that the project has been implemented not less than fifty percentage in its physical form or construction"

(xx) Any deficiencies/omission have been noticed in the above documents-Kml file submitted is not in proper format.

Whether SEAC recommended the proposal – Yes, SEAC have already recommended for grant of ToR for the project in its meeting dated 05.11.2022 and have SEAC recommended the following:

a) The SEIAA may consider to exempt public hearing as per MoEF&CC, Govt. of India amended EIA Notification vide S.O.1247 (E), dated 18th March 2021 as they have already completed construction work more than 50% during validity period of Environmental Clearance.
b) ToRs may be prescribed for conducting EIA Study as per **Annexure-A**. The proponent may be allowed to use baseline data collected during March 2022 to May 2022 for EIA study.

Decision of Authority:

After detailed deliberations, the Authority **approved the Term of Reference (ToR)** with Standard and Specific conditions as recommended by SEAC for undertaking detailed EIA studies for the project.

- Compliance of previous EC conditions shall be submitted along with the Final EIA/EMP Report.

APPROVED BY

Member Secretary, SEIAA | **Member, SEIAA** | **Chairman, SEIAA**

12.12.2022