



**AGENDA NO.138.01**

Proposal No.	SIA/OR/IND1/437577/2023
Date of application	21.07.2023
File no.	437577/28-IND/07-2023
Project Type	Proposal for fresh EC
Category	B1
Project/Activity including Schedule No.	3(a) Metallurgical Industries (ferrous and non-ferrous), Secondary metallurgical processing industry (Non-Toxic) - Process involving hot rolling mill without pickling.
Name of the Project	Proposal for EC of Greenfield project for Production of 750,000 TPA/ (0.75 MTPA) Rolled Products at Kalinganagar Industrial Complex, Village-Jakhapura, Tehsil-Danagadi, District-Jajpur, Odisha by M/s Jatia Steel Limited.
Name of the company/Organization	Jatia Steel Ltd. Sri Siddarth Sharma (Senior Project Manager)
Location of Project	Village – Jakhapura, Tehsil – Danagadi, District – Jajpur, Odisha
ToR Date	15.02.2023
Name of the Consultant	M/s. Visiontek Consultancy Service Pvt. Ltd.

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

- i) This proposal is for Environmental Clearance of M/s Jatia Steel Ltd. for Greenfield project for Production of 750,000 TPA Rolled Products at Kalinganagar Industrial complex, Village – Jakhapura, Tehsil – Danagadi, District – Jajpur, Odisha of Sri Siddarth Sharma (Senior Project Manager).
- ii) **Category:** This is a Category – B project which falls under schedule 3(a), Metallurgical Industries (ferrous & nonferrous) for Rolling Mill plant as per the EIA Notification 2006 and amendments thereafter.
- iii) **TOR Details:** The proposal for ToR was presented before the State Expert Appraisal Committee (SEAC) on 23.12.2022 and ToR was granted by the concerned authorities vide F. No. SIA/OR/IND1/404835/2022, dated: 15th February, 2023 for the proposed project.
- iv) **Public hearing details:** Public Hearing meeting was held on 29.04.2023 (at 11:00 A.M.) at Danagadi bhavan, Danagadi of Jajpur district proposed by Sri Siddartha Sharma for Environmental Clearance in respect of M/s Jatia Steel Limited. Greenfield project for production capacity of 7, 50,000 TPA Rolled Products at Kalinganagar Industrial Complex in Village Jakhapura under Danagadi tehsil of Jajpur district. Issues raised during public hearing are employment, local area development, plantation, drink water, women empowerment and environment protection.
- v) **Location and Connectivity:** M/s Jatia Steel Limited located at Kalinganagar Industrial complex, Village – Jakhapura, Tehsil – Danagadi, District – Jajpur, Odisha. The nearest railway station is the Jakhapura Junction (1.74 km, SE) from the site. The nearest airport is at Bhubaneswar International Airport (79.50, SSW) from the site. The site is approx. 3.5 Km away from nearest town Danagadi. Brahmani River is at 4.73 Km south from the project site. The National Highway i.e., NH 200 runs at 4.46 Km WSW of the site.



**Minutes of 138<sup>th</sup> Meeting of SEIAA, Odisha Held on 10.10.2023 & 12.10.2023**

**Topography:** The coordinates of the plant area are 20°55'48.90"N to 20°56'5.68"N & 86° 3'4.63"E to 86° 3'24.66"E. It is situated at Kalinganagar Industrial complex, Village – Jakhapura, Tehsil – Danagadi, District – Jajpur, Odisha. The topography of the plant area is flat in and the slope is downward towards the South direction. The average elevation of site is 45 m AMSL. Range between: 42 m AMSL to 47 m AMSL. The perennial river Brahmani flows about 4.73 km in the South direction of the lease area and forms the main drainage system of the vicinity.

vii) **Seismicity:** The project is under very feeble to Zone – III (moderate damage risk zone) [as per IS 1893 (Part-I): 2002]

viii) **Status of Statutory Clearances** –The total land has been acquired from IDCO to M/s Jatia Steel Limited vide letter No\_024/A/O/JRD, Dated 11/10/2022. No forest land clearance is obtained from Cuttack Forest Division vide letter No- 3716/6F, dated 16/05/2023.

ix) **Project Details:**

**Project Configuration**

Sl. No.	Equipment	Configuration	Capacity (TPA)
i)	Re-Heating furnace	1 x 115 TPH	7,74,000
ii)	Roughing Mill 1	4 x 660 x 480 mm	7,50,000
iii)	Roughing Mill 2	4 x 660 x 480 mm	
iv)	Inter Mill	4 x 600 x 400 mm	
v)	Continues Mill (Pre Finishing)	4 x 480 x 320 mm	
vi)	Continues Mill (Finishing)	6 x 400 x 270 mm	
vii)	Cooling Tower (TMT)	2 x 100 TR	
		2 x 250 TR	500 TR
		2 x 350 TR	700 TR
viii)	Crane	2 x 5 + 3 x 10 + 3 x 15 Ton	85 T
ix)	Transformer	1 x 12,000 KVA + 1 x 2000 KVA	14,000 KVA
x)	UTM Machine	1000 KN	1000 KN
xi)	Lathe machine	-	5 nos.
xii)	Shaper machine	-	1 nos.
xiii)	Drilling machine	50 mm	1 nos.
xiv)	Air compressor	1 x 132 KW/7 BAR +	132 KW/7 BAR
		1 x 132 KW/ 8 BAR	132/ 8 BAR
xv)			

x) **The land utilization plan:** In total 17,806 Ha. (44.00 Acres) of land will be adequate to accommodate the entire planned facilities. The land utilization plan is given below.

Sl. No.	Particulars	Total Area		
		Acres	Hectares	%
	Admin Block	0.074	0.03	0.166
	Generator Area	0.03	0.012	0.066
	H.T Power Supply Area	0.432	0.175	0.968
	Temple	0.048	0.02	0.108
	Fire Fighting Room	0.099	0.04	0.221
	Water Reservoir	0.445	0.18	0.996
	Rain Water Storage	0.198	0.08	0.443
	Security Room 1	0.003	0.001	0.007

Minutes of 138<sup>th</sup> Meeting of SEIAA, Odisha Held on 10.10.2023 & 12.10.2023



Security Room 2	0.003	0.001	0.007
<b>Plant Area</b>	<b>10.651</b>	<b>4.312</b>	
A Stock yard & Dispatch bay	2.663	1.078	24.207
B Cooling & Finish storage of TMT	2.663	1.078	
C TMT Rebar Mill	2.663	1.078	
D Billet Storage bay & Reheating Furnace	2.663	1.078	
<b>Utility Buildings</b>	<b>3.718</b>	<b>1.505</b>	8.450
A Guest House	0.473	0.191	
B Portable WTP	0.578	0.234	
C Cooling Tower & CA Station	0.777	0.314	
D Water Storage & Pimp House	0.473	0.191	
E Oil Storage Electric Control Room	0.473	0.191	
F Electrical Control Room	0.473	0.191	
G Transformer, DB & PCB	0.473	0.191	
Greenbelt Area	14.997	6.071	34.084
Truck Parking & Weighment Area	0.309	0.125	0.692
Admin Building	0.096	0.039	0.216
Car Parking Area	0.074	0.03	0.166
Roads	5.237	2.12	11.902
Assembly Point	0.022	0.009	0.050
Future Expansion Area	7.589	3.071	17.248
<b>TOTAL AREA</b>	<b>44.00</b>	<b>17.806</b>	<b>100</b>

xi) Production and Waste Generation details:

Input	Specific consumption	Quantity in TPA	Output	Specific consumption	Quantity in TPA
	T/T of product			T/T of product	
Billet	1.032	7,74,200	Rolled Products	1	7,50,000
-		-	Scrap & End cuttings	0.025	18,750
			Mill scale	0.001	750
			Other Losses	0.006	4,700
Total	1.032	7,74,200	Total	1.032	7,74,200



**Minutes of 138<sup>th</sup> Meeting of SEIAA, Odisha Held on 10.10.2023 & 12.10.2023**

xii) **Manufacturing Process:** Rolling Mill will be used for Production of Rolled products (TMT Rebars & Wired Rod); Proposed (750,000 TPA); 100% will be sold in market. Rolling is a process used to shape metal into a thin long layer by passing it through a gap of two rollers rotating in different directions. At first billet from yard send it to reheating furnace where LSHS fuel used for heating and then processed to roughing mill than it passes to intermediate mill and finishing mill respectively. From there it will send it to QTB system for pinch roll & dividing shear and then to cutting with cold shear and bundle it for final dispatch.

xiii) **Waste Generation and Management:**

Solid Waste					
Rolling Mill	Scrap	-	-	18,750 TPA	Will be disposed through trucks & sold to SMS Plant.
	Mill scale	-	-	750 TPA	Will be disposed through trucks & sold to Sinter Plant.
Hazardous Waste					
Used oil	Cat. 5.2	-	-	3.60 TPA	Storage in containers over impervious floor under well-ventilated covered shed followed by disposal through actual users having valid authorization from SPCB, Odisha

xiv) **Water requirement:** The total water required is **373 KLD**. The source of water will be Brahmani River. The pickup point is estimated to be approximately 4.73 km aerial distance from the plant boundary. The length of the water pipeline will be approximately 8 km. During Monsoon the total requirement of water will be changed. The total water requirement in Monsoon is 267 KLD from Surface water and Rain water harvesting pond and re-circulating water from ETP respectively.

xv) **Wastewater management:** The sewage & sanitary wastewater from toilets, washrooms and canteen shall be treated in septic tank and waste water, if any shall be used for horticulture. STP of 20KLD with MBBR technology will be used to treat 16 KLD of domestic sewage. Primary Effluent Treatment Plant of capacity 200 KLD will be installed to treat the 168 KLD effluent.

xvi) **Power Requirement:** Total power requirement for proposed project is 14 MW per hour and it will be sourced from TPNODL.

xvii) **Flora/Fauna:** The area is sparsely populated and is undulated and interspersed with small hillocks and hilly terrain. The forest in the region is tropical dry deciduous forest but excessive biotic influences have caused retrogression to tropical Thorny scrubs. Agriculture is produced at large scale with major products grown here are Maize, pulses and a little amount of vegetables like brinjal, ladies finger, tomato etc. for household consumption. The dominant ground vegetation are Shorea robusta, Aegle marmelos, Cassia tora, Tectona grandis, Delonix regia, Parthenium hysterophorus, Sida rhombifolia, Tridax procumbens etc. Grasses like Saccharum spontaneum, Cynodon dactylon and Heteropogon contortus are generally found in the area. There is no national park, Wildlife sanctuary or wildlife corridors present in the study area of the proposed project. However, the project site is surrounded by protected forests. The nearest is Danagadi protected forest which is 4.50 km, where the dominant species is Sal, babul and Gandho palas.

xviii) **Green belt:** In the proposed project of M/s Jatia Steel Limited Green belt shall be developed at least in 33% of total plant area in and around the plant premises for environmental protection as per CPCB/OPCB guidelines. In the proposed project 14.52 Acres of land i.e., 33% of total land proposed plant area of 44 Acres shall be provided a natural barrier for attenuation of noise and air pollution.



- xix) **Baseline study details:** Baseline data was collected during winter season from March to May 2022.
- x) **Ambient Air Quality:** The monitored results show PM10 levels were in the range of 57.2 µg/m<sup>3</sup> to 93.4 µg/m<sup>3</sup>, PM2.5 levels were in the range of 28.7 µg/m<sup>3</sup> to 49.6 µg/m<sup>3</sup>, SO<sub>2</sub> levels were in the range of 9.6 µg/m<sup>3</sup> to 21.6 µg/m<sup>3</sup>, NO<sub>x</sub> levels were in the range of 19.4 µg/m<sup>3</sup> to 31.4 µg/m<sup>3</sup> & CO remained below detection level which are well within the prescribed limit of Central Pollution Control Board.
- b) **Noise Quality:** The noise levels were measured at eight stations in core and buffer zone located in residential areas. The noise levels observed during day time varies from 35.4 to 69.3 dB(A) and at night time varies from 32.4 to 52.3 dB(A). All the noise values observed are well within the limits prescribed by National Ambient Air Quality Standards for Noise.
- c) **Surface water quality:** The physico-chemical characteristics of surface water were analysed. In fresh water, the pH values of are varies from 7.15 to 7.81, Colour below 5 Hazen, Dissolve Oxygen 6.7 to 7.7 mg/l, BOD is 2.3 to 3.7 mg/l and COD is 11.5 to 18.5 mg/l.
- d) **Ground water quality:** The physico-chemical characteristics of ground water samples were analysed. The levels of total dissolve solids varied from 178 to 198 mg/l, total hardness from 97 to 138.4 mg/l, chloride from 27.5 to 33.6 mg/l and alkalinity from 52-64 mg/l.
- e) **Soil quality:** Top soil samples were collected from core & buffer zone, from 7 locations. From the above analysis report, it is found that the bulk density ranges between 1.26 to 1.47 gm/cm<sup>3</sup>. The soil texture is almost sandy & clayey. The soil is very much fertile for agriculture purpose.
- xx) **Manpower:** Total man power required during the construction phase will be 60, out of which 5 persons will be on permanent basis and the rest on contractual basis. The estimated manpower requirement is 150 numbers. Locals will be given preference in employment as per their qualification and experience. The indirect employment generation will be above 250.
- xxi) **Project Cost:** The expected cost of the project is Rs. 220 crores. EMP cost includes a capital cost of 7.95 crores and a recurring cost of 1.27 crores.
- xxii) **Environment Consultant:** The Environment M/s **Visiontek Consultancy Services, Bhubaneswar** along with the proponent made a presentation on the proposal before the Committee on 31.07.2023.
- xxiii) The SEAC in its meeting held on dated **31-07-2023** decided to take the decision on the proposal after receipt of the following from the proponent. The proponent has furnished the compliance and the SEAC verified the same as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of SEAC
i)	Plot No. 858 and 860 of the land proposed for the project is coming under "Sal Jungle and Jhati Jungle". Certificate along with supportive documents from the concerned DFO as well as IDCO that forest land involved in the project area has already been diverted and will be utilized as per conditions of Forest Clearance.	As per the letter received from IDCO vide letter no. IDCO/HO/P&A-LA-E-8427/2022/22/16658 dated 26.05.2023 There is no forest land involved within 44 Acres area allotted in favor of M/s Jatia Steel Limited. This land has already been diverted for the purpose of iron ore-based industries by MoEF & CC Govt. of India vide Forest clearance letter no.3/4-2-1993 dated 14th / 17th January 2005 Further to that, DFO Cuttack Forest Division vide letter no. 3716/6F dated 16.05.2023 has also confirmed from field verification that the said land is barren and there is no forest	Copy submitted





**Minutes of 138<sup>th</sup> Meeting of SEIAA, Odisha Held on 10.10.2023 & 12.10.2023**

		growth over it. Copies of IDCO letter DFO letter and Forest clearance letter are enclosed as <b>Annexure-A</b> .	
ii)	Details of stack height along with the calculation according to CPCB norms and other details with composition of emission.	Stack height calculation chart with stack emission control process has been attached as <b>Annexure-B</b> .	Stack height is calculated 60meters.
iii)	Timeline to use Natural gas replacing LSHS.	Undertaking for replacing LSHS to Natural gas, at least two years' timeline frame, has been attached as <b>Annexure-C</b> .	Undertaking submitted
iv)	Quantity of mill scale generation and its end use.	Jatia Steel Limited certifies that it will generate 750 TPA of Mill Scale. The Company will dispose mill scale through trucks and Sale to Sinter Plant (it is used as a raw material in the sinter plant). The mill scale calculation chart is attached as <b>Annexure-D</b> .	Detail submitted in report.
v)	Details of Air Pollution Control Measures.	Air Pollution Control Measures for both construction & operation phase summarized in <b>Annexure-E</b> .	complied
vi)	Traffic study report vetted by Institute of repute.	Traffic study report vetted by reputed institute is attached as <b>Annexure-F</b> .	Traffic study report vetted by CET and IOS is A

xxiv) Considering the information / documents furnished by the proponent and presentation made by the consultant **M/s Visiontek Consultancy Services, Bhubaneswar** on behalf of the project proponent, the SEAC recommended for grant of Environmental Clearance for the project valid for a period of 10 years with stipulated conditions.

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

1. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on **23.08.2023** and the SEAC recommended for grant of Environmental Clearance for the project valid for a period of 10 years with stipulated conditions.

**Decision of Authority: Approved**

After detailed deliberation, the Authority allowed grant of EC subject to condition that the PP shall replace the LSHS (Low Sulphur Heavy Stock) as fuel to natural gas within a period of two years or supply of gas line by designated supplier, whichever is earlier.

  
Member Secretary, SEIAA

APPROVED BY  
  
Member, SEIAA

  
14.10.2023  
Chairman, SEIAA





**AGENDA No.138.02**

Proposal No.	SIA/OR/MIN/299537/2023
Date of application	21.04.2023
File No.	-
Project Type	Proposal for Amendment of EC
Category	B1
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for corrigendum in EC of Pandiopathar Decorative Stone Mine over an area of 23.67 acres 9.579 ha at Village Pandiopathar Tahasil Aska District Ganjam
Name of the company/Organization	Mahammad Razzak Niladri Vihar 2 <sup>nd</sup> Lane Extn Aska Road Berhampur Orissa 760001
Location of Project	Village Pandiopathar Tahasil Aska District Ganjam
ToR Date	N/A
Name of the Consultant	N/A

**Proposal in brief:**

1. 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 Amendment of Environmental Clearance for Pandiopathar Decorative Stone Mines over an area of 23.67 acres 9.579 ha at Village Pandiopathar Tahasil Aska District Ganjam of MD Mahammad Razzak.
  - ii) **Category:** As per EIA notification 2006 and subsequent amendments, this project is coming under Category B1 schedule 1(a) - Mining of minerals.
  - iii) Pandiopathar Decorative Stone Mines over an area 23.67 Acres of 9.579 hectares had been granted and executed in my favour of Md Irfan Razzak which is valid up to 19-12-2047 for 30 years lease period from the date of execution date 20-12-2017.
  - iv) Environmental Clearance obtained on the above said mines vide letter No. SEIAA/2119 on dated 26-10-2016 for production capacity of **20,100 cum** upto the lease period.
  - v) The Mining Plan of the project has been approved by the Director of Mines, Odisha, Bhubaneswar vide his letter no. 8084/DM date 19-09-2015 for 5 (five) years the Mineral Reserve as per approved Mining Plan are 3,23,380 cum with total production capacity of 20,100 cum for the lease period with maximum annual production 5040 cum/annum as stated in the approved Mining Plan. The Mining Plan was valid upto 31-03-2023.
  - vi) The Consent to Operate (CTO) issued by the Regional Office, State Pollution Control Board, Berhampur vide his letter No. 343/CTO – 1614/2018 and CTO Order 260/2017-18 on dated 20-01-2018 the approved quantity is 4533 cum/annum. The Consent Order valid up to 31-03-2020.
  - vii) The Modified Mining Plan has been approved by the Director of Mines, Odisha Bhubaneswar vide letter No. 306/DM on dated 13.01.2020. Again, the CTO issued by the Regional Office, State Pollution Control Board, Berhampur vide letter No. 1253/CTO- 1614/2018 and CTO order 260/2020-21 on dated 20-05-2020 and the approval quantity is 4533 cum and the CTO valid for the period up to 31-03-2023.
  - viii) The Project proponent had submitted the Scheme of Mining for next five years that is from 2023-24 to 2027-28 which has been approved by the Directorate of Mines and Geology, Odisha Bhubaneswar vide letter No. 4944/DoMG dated 03-04-2023. The production capacity is 4008 cum per





## Minutes of 138<sup>th</sup> Meeting of SEIAA, Odisha Held on 10.10.2023 & 12.10.2023

- Annun. In the Scheme of Mining there is no change in mining technology as well as scope of working keeping the production level same as per previous approved Mining Plan submitted.
- ix) The Project proponent have applied the CTO to the Regional Office, State Pollution Control Board, Berhampur for next five years from 2023-24 to 2027-28 and the capacity is 4008 cum per annum as per approved by Scheme of Mining along with PMCP.
- x) The Regional Office, State Pollution Control Board, Berhampur issued the CTO for the period upto 31-03-2024 and the approval quantity is 670 cum per annum.
- xi) In the above context project proponent has requested to clarify that Environment Clearance which has been granted on 26-10-2016 for the capacity of 20,100 cum for Mining Plan/Scheme of Mining would be valid for 5 (five) years or co-terminous with the lease period.
- xii) The SEAC in its meeting held on dated **12-06-2023** decided to take decision on the proposal after receipt of the following information / documents from the proponent followed by a detailed presentation before the SEAC by the proponent. The proponent has furnished the compliance and the SEAC verified the same as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of SEAC
i)	Copy of Mining Plan approved by the Director of Mines, Odisha, Bhubaneswar vide his letter no. 8084/DM date 19-09-2015.	The Mining Plan of Pandiapatthar Decorative Stone Mines over an area of 9.579 ha of M/s. MD. Irfan Razzak was initially approved on date 19-09-2015 vide letter no.8084/DM for a plan period of 5 years with a production capacity of 20,100 cum & the mineable reserve has been estimated in the tune of 3,23,380 Cum. (Ref page no. 10 & 17 of the approved mining plan attached as Annexure - I.)	Annual capacity 5040cum (maximum) and Total production capacity is 20000cum for 5 years.
ii)	Copy of modified Mining Plan approved by the Director of Mines, Odisha Bhubaneswar vide letter No. 306/DM on dated 13.01.2020.	A modified mining plan over the same area has approved by Director of Mine and geology vide letter no. 306/DM dated 13.01.2020 for a production quantity of 20,088 cum. (Please refer page no. 24 Table - 4.1) with a revised mineable reserve of 2,24,322m <sup>3</sup> (Please refer page no.16 (para 3.9) & page no.25 (para 4.5) attached as Annexure-II)	Modified mining plan - Annual capacity 5022cum (maximum) and Total production capacity is 20088cum for 5 years.
iii)	Copy of Scheme of Mining for next five years that is from 2023-24 to 2027-28 which has been approved by the Directorate of Mines and Geology, Odisha Bhubaneswar vide letter No. 4944/DoMG dated 03-04-2023.	On dated 03.04.2023 vide letter no. MXX11 (b)-14/2022/4944/DoMG the scheme of mining is approved by Director of Mine and Geology for Pandiapatthar Decorative Stone Mines for a production capacity off 20,040 cum for the plan period (2023-2028) with average production of 4050 cum per year.	submitted



**Minutes of 138<sup>th</sup> Meeting of SEIAA, Odisha Held on 10.10.2023 & 12.10.2023**

		The up-to-date reserve has been estimated with a tune of 2,16,691m <sup>3</sup> , with a life of mine for 27 years. (Please ref page no. 15 table 5.2, & page no.6 attached as <b>Annexure III.</b> )	
iv)	Clarification letter from Director, Mines, Odisha, Bhubaneswar that the quantity as approved in Mining Plan vide his letter no. 8084/DM date 19-09-2015 is for plan period (i.e. 5 years) not for entire lease period (i.e. 30 years).	The clarification letter sought by you to be brought from DMG government of Odisha is attached as <b>Annexure IV.</b> In which it has been stated that the mineable reserve is 3,23,380 cum which is for the " <b>lease period</b> ", with a production capacity of 20,100 cum for the " <b>plan period</b> ".	submitted

xiii) The SEAC observed and opined the following:

- a) The Environmental Clearance was granted to the mines upto lease period (30 years) with a production capacity of 20,100 cum upto the lease period.
  - b) This production capacity had been fixed by the SEIAA, Odisha based on the mining plan approved by the Director, Mines, Odisha, Bhubaneswar vide letter no. 8084/DM, date 19-09-2015.
  - c) The proponent has requested for amendment of Environmental Clearance for the production capacity of 20100 cum for 5 years and not for entire lease period as mining plan had been approved for production capacity for plan period i.e. for 5 years and not for entire lease period.
  - d) The Director of Mines and Geology, Odisha, Bhubaneswar clarified that the mineable reserve is 3,23,380 cum which is for the "**lease period**", with a production capacity of 20,100 cum for the "**plan period**", which have been approved in Mining Plan vide letter no. 8084/DM date 19-09-2015. Moreover, the scheme of mining is approved by Director of Mine and Geology vide letter No. 4944/DoMG dated 03-04-2023 for Pandiapatthar Decorative Stone Mines for a production capacity of 20,040 cum for the plan period (2023-2028) with average production of 4050 cum per year.
  - e) Generally, the mining plan approved for production capacity of plan period i.e. 5 years not for entire lease period.
- xiv) After detailed discussion, the committee recommended for amendment in Environmental Clearance granted vide letter no. SEIAA/2119 on dated 26-10-2016 for a production capacity of 20,040 cum for the plan period (i.e. 2023-28) with average production of 4050 cum per year.
- xv) Any deficiencies/omission have been noticed in the above documents- Nil

2. **Whether SEAC recommended the proposal** – The proposal was placed in the SEAC meeting held on 23.08.2023 and the SEAC recommended for amendment in Environmental Clearance granted vide letter no. SEIAA/2119 on dated 26-10-2016 for a production capacity of 20,040 cum for the plan period (i.e. 2023-28) with average production of 4050 cum per year.

**Decision of Authority: Approved**

After detailed deliberation in the matter, the Authority allowed amendment in the EC conditions as stipulated below:

- 1) The Validity of EC shall be for the remaining period of the lease i.e., up to 19.12.2047.
- 2) The production capacity shall be 4050 cum per year. Any increase in the production capacity shall require fresh EC.





**Minutes of 138<sup>th</sup> Meeting of SEIAA, Odisha Held on 10.10.2023 & 12.10.2023**

- 3) Compensatory Tree Planting (CTP) shall be carried out with minimum @100 trees per Ha. of lease area as per the approved cost norm for avenue plantations of the State Forest Department. The Project Proponent (lease holder) shall deposit Rs.5,00,000/- with the respective District Environment Society for raising 1000 plants of native species within 2 years in a suitable location adjoining to quarry.

Member Secretary, SEIAA

APPROVED BY

Member, SEIAA

Chairman, SEIAA





**Minutes of 138<sup>th</sup> Meeting of SEIAA, Odisha Held on 10.10.2023 & 12.10.2023**

<b>AGENDA NO.138.03</b>	
Proposal No.	SIA/OR/INFRA2/411058/2022
Date of application	30.06.2023
File No.	411058/506-INFRA2/01-2023
Project Type	Fresh FC proposal
Category	B
Project/Activity including Schedule No.	8(a) Building and construction
Name of the Project	Proposal for environmental clearance of proposed commercial cum residential building of M/s. Mahadev Griha Nirman Pvt Ltd located at Plot no. 458, 454, 460, 459, 455 / 826 and 455/796, Khata No. 170/168, 170/156, 170/214,170/215 over a built-up area 47283.66 sqm in Mouza-Padmalava Nagar, Tehsil-Baranga, Ps-Cuttack Sadar 16, Dist-Cuttack of Sri Ravi Kumar Moda.
Name of the company/Organization	Mahadev Griha Nirman Private Limited
Location of Project	Odisha

**Proposal in brief:**

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

1. This proposal is for environmental clearance of proposed commercial cum residential building of M/s. Mahadev Griha Nirman Pvt. Ltd located at Plot no. 458, 454, 460, 459, 455 / 826 and 455/796, Khata No. 170/168, 170/156, 170/214,170/215 over a built-up area 47283.66 sqm in Mouza-Padmalava Nagar, Tehsil-Baranga, Ps-Cuttack Sadar 16, Dist. - Cuttack of Sri Ravi Kumar Moda.
2. **Category:** The project requires prior Environmental Clearance under the provisions of EIA Notification, 2006 and subsequent amendment and falls under Category B of activity 8(a)- Building & Construction projects.
3. **Project details:** Project site is spread on area of 11331.11 sq.m (1.133 ha. /2.80 acre). Project involves development of commercial cum residential building with the allied facilities like, club house, shops, waste management system, storm water management system water supply system, sewerage system, firefighting management, adequate parking facility and green area. Built-up area of project is approx.47283.66 sq.m.
4. **Location and Connectivity:** The Project involves development of proposed commercial cum residential building located at Plot no. 458,454,460,459,455/826 and 455/796, Khata No. 170/168, 170/156, 170/214,170/215 in Mouza-Padmalava Nagar, Tehsil-Baranga, PS-Cuttack Sadar 16, Cuttack, Orissa. The Geographical coordinates are 20°21'12.7"N and 85°46'17.4"E and fall within Toposheet no. F45T15. The Project site comes under Cuttack Development Authority and not located within ESZ, ESA and CRZ area. Site is flat land with average elevation of 39.92 m AMSL. Project site is well connected with Banki-Cuttack Road. Site connects to NH-16 which is at 7.52 km towards E direction and to SH 60 at 12.95 km in NE direction. Nearest Railway station is Bhubaneswar New junction which is at 8.08 km away in S direction. Nearest Airport is Biju Patnaik International Airport at 22.22 km in S. Nearest river is Kathajodi River at 0.74 km, N. Nearest forest is Chudang Garh forest at 1.48,S and nearest habitation is Sandhapur is at 0.40 km, SW.





**Minutes of 138<sup>th</sup> Meeting of SEIAA, Odisha Held on 10.10.2023 & 12.10.2023**

5. **Land area details:** The total plot area of the project site is 11331.11 sq.m (1.133 ha/2.80 acres). Project involves development of 257 nos. of residential apartments. Built-up area of project after development will be approx. 47283.66 sqm

**Table: Area details**

SL. NO.	DESCRIPTION	Total (SQ M)
i)	Plot Area	11331.11
ii)	Road effected Area	836.99
iii)	Net Plot Area	10494.12
iv)	Proposed Ground Coverage (29.75 % of total plot area)	3371.06
v)	FAR area (@3.19)	36099.9
vi)	NON-FAR area	11092.18
vii)	<b>Built-up Area</b>	<b>47283.66</b>
viii)	Green Area (@ 1 tree for 80 sqm of plot Block area)	143 nos
ix)	Open Parking area (@ 8 % of plot Area)	825 sqm
x)	Paved Area (@ 10 % of plot Area)	1133.11
xi)	Open/Amenities (18.9 % of the plot area)	Landscape /green area: 995 sqm
xii)		Podium area: 988 sqm
xiii)		Total: 1983 sqm
xiv)	Height	BLOCK A, B, C : 44.95 mtr BLOCK D: 30.90 mtr CLUB HOUSE: 14.95 mtr
xv)	No of Dwelling Units	257

6. **Total Population:** Population estimated at the site is 1331 which includes residential, commercial, and floating population.

7. **Water requirement:** As per the revised water balance submitted by the Project Proponent in their ADS dated 24.04.2023, Water requirement is 140KLD as per the given table. Revised total water requirement is 140KLD and 38KLD in Non Monsoon period and 51KLD in Monsoon period will be discharged to drain.

Category	Population/Area (sq m)/Capacity	Standard (LPCD)	Water Requirement (KLD)	Fresh Water Requirement (KLD)	Recycled Water requirement (KLD)
<b>Domestic</b>					
Residents	1157	100	116	82	34
Staff	58	45	3	0.9	2.1
Visitors	116	15	2	1.4	0.6
<b>Total Domestic Water Demand</b>			<b>121</b>	<b>84</b>	<b>37</b>
Landscap	2136.78sq.m	6 ltr/sqm	13	-	13
Fire Fighting	-	-	1	-	1
DG	680 KVA	0.9	5	-	5
	(2*250KVA +1*180KVA)	1/kVA/hr			
<b>Total</b>		-	<b>140</b>	<b>84</b>	<b>56</b>



**Previous water Balance given in presentation** - Source of water during operation phase will be ground water. Permission will be obtained from concerned authority prior extraction of ground water. Application for the same has been submitted via application no. 21-4/4571/OR/INF/2022. Total water requirement during operation phase is 171 KLD out of which domestic water requirement is 161 and freshwater requirement is 111 KLD as shown in table.

Category	Population/Area (sq m)/Capacity	Standard (LPCD)	Water Requirement (KLD)	Fresh Water Requirement (KLD)	Recycled Water requirement (KLD)
<b>Domestic</b>					
Residents	1157	135	156	109	47
Staff	58	45	3	0.9	2.1
Visitors	116	15	2	1.4	0.6
<b>Total Domestic Water Demand</b>			<b>161</b>	<b>111</b>	<b>50</b>
Landscap	995sq.m	3 ltr/sqm	5	-	5
Fire Fighting	-	-	1	-	1
DG cooling	680 KVA (2*250KVA +1*180KVA)	0.9 l/kVA/h	4	-	4
<b>Total</b>		-	<b>171</b>	<b>111</b>	<b>60</b>

9. **Sewage generation:** Sewage generation from the site is expected to be 139 KLD which will be treated in STP of capacity 200 KLD proposed to be constructed at the site. Treated water from the STP will be used for flushing, firefighting, DG cooling and horticulture purpose.
10. **Power requirement:** Maximum power demand for the project during operation phase is estimated to be 1800 KVA. Source of power will be TPCODL. DG sets of total 680 KVA (2\*250KVA + 1\*180KVA) will be provided as power back-up during power failure. The height of the DG Stacks will be 3-6 meter above building height. Provision of Solar power for lighting and water heating is there and generation of Solar Power as per the table given below.

Selection of SOLAR SYSTEM			
a	Total Connected Load in kW		1872 KW
b	Solar Power Required in kW @ 5% of the Connected Load		93.6 KW
c	Solar Power in kW to be generated by Roof Top Solar Panels		94 KW
d	No. of Solar panel		100 Nos

**SUGGESTED SOLAR SYSTEM :** 100 Nos. of Solar Panels suitable for 94 KW LOAD  
**AREA REQUIRED :** 2.4 Sq.mtr Per Panel

11. **Rainwater harvesting:** Rainwater harvesting pits are being proposed for artificial recharge of roof top rainwater within the project premises. Recharge pits will be filled with small pebbles or brick jelly or river sand and bore a well up to deep aquifer with a perforated pipe in permeable layer. As per norms for 100 sqm roof 6 cum volume rainwater harvesting pit structure to be provided. For 3360 sqm roof area, volume of rainwater harvesting structure is 202 cum. Considering 13 nos of rainwater harvesting structure each rainwater harvesting structure will have de-silting tank and recharge shaft; volume of each de-silting tank is 1.2 cum and volume each Rainwater harvesting pit is 15.6 cum. Total no of rainwater harvesting structure is 13 nos.



12. **Parking details:** Parking area required is 9272.59 sqm and parking area provided is 9289.99 sq.m. Adequate parking will be provided to accommodate the expected vehicles during operation phase of the project in line with the requirement of Local Building by Laws.

LOCATION	SINGLE 4 WHEELER /CAR PARKING	DOUBLE /DEPENDENT 4 WHEELER /CAR PARKING	2 WHEELER/ BIKE PARKING	HANDICAPED PARKING	TYPE OF PARKING
BASMENT BLOCK A	33 NOS	0 NOS	51 NOS		COVERED PARKING
STLT -1 BLOCK B & C	87 NOS	41 NOS	85 NOS	2 NOS	COVERED PARKING
STLT 2 BLOCK B & C	101 NOS	17 NOS	75 NOS		COVERED PARKING
STLT -1 BLOCK D	0 NOS	16 NOS	28 NOS		2 STACK MECHANICAL COVERED PARKING
VISITORS PARKING NEAR TEMPLE	10 NOS	0 NOS	24 NOS		SURFACE PARKING
VISITORS PARKING NEAR CLUB HOUSE	6 NOS	0 NOS	12 NOS		SURFACE PARKING
FIRE TRUCK	1 NOS	0 NOS	0 NOS		SURFACE PARKING
AMBULANCE	1 NOS	0 NOS	0 NOS		SURFACE PARKING
217 NOS. OF SINGLE 4 WHEELER CAR PARKING 58 NOS. OF DEPENDENT / DOUBLE 4 WHEELER /CAR PARKING 16 NOS OF 2 STACK MECHANICAL CAR PARKING 2 NOS OF HANDICAPED 4 WHEELER /CAR PARKING 1 NO OF FIRE TRUCK PARKING 1 NO OF ANIBULANCE PARKING 265 NOS OF 2 WHEELER /BIKE PARKING <b>GRAND TOTAL 291 NOS OF 4 WHEELER /CAR PARKING</b>					

13. **Traffic study:** Parking space has been provided in the basement, surface, and silt levels parking and the area given to parking is adequate for the proposed 257 units/flats. Further, 7.5-meter-wide roads are proposed in the plan which would not pose any mobility issue if provided. The present 2-lane road needs to be widened to 4-lane for accommodating the normal growth of traffic. The normal growth of traffic is so high that LOS will go beyond LOS C after 10 years without any project. Therefore, the road needs to be widened to 4-lane divided for maintaining LOS level at B.

14. **Firefighting:** The fire protection system for the building is to be designed as per the provisions of National Building Code - 2005 and the directions of local fire service authority. In addition to above, the fire extinguisher system is to be design in accordance with IS: 2190. Fire-fighting facilities provided at the site includes water sprinklers, UG and OH fire tanks, automatic fire alarms, manual call points, fire hooters, fire staircase, fire lifts, signage, smoke detectors, refuge area, DG sets compartmentalization and fireproof electrical installations.

15. **Greenbelt:** As per the revised greenbelt submitted by the Project Proponent in their ADS dated 24.04.2023, Total green area/open area - 2136.78sqm (20.36% of total plot area).

16. **Previous Greenbelt as mentioned in presentation** - Green belt will be developed over an area of 1983 Sq.m by planting 152 nos. of the local species like Cadamba, Cassia, Jacranda, Bauhina, etc. Landscape /green area : 995 sqm out of which {Plantation (Green belt area )Area: 214.5 sqm (1.89.% of plot area) and Grass Lawn Area: 780.5 Sq.m (6.89 % of plot area).} Podium Green area: 988 Sq.m

17. **Solid waste generation:** During operation phase, waste comprise of municipal waste. It is estimated that approx. 612 kg per day of waste is to be generated from the project site. STP sludge expected to generate is approximately 14 kg/day.

S. No	Description	Occupancy/ Area	kg/capita/day	Total Solid Waste Generation (kg/day)	Recyclable (kg/day)	Non-Recyclable(kg/day)
i)	Residents	1157	0.5	579	463	116



**Minutes of 138<sup>th</sup> Meeting of SEIAA, Odisha Held on 10.10.2023 & 12.10.2023**

ii)	Staff	58	0.25	15	12	3
iii)	Visitors	116	0.15	17	14	3
iv)	Landscape waste	0.22 acres	0.2 kg/acres	1	-	1
v)	<b>Domestic Municipal waste generated</b>			<b>612</b>	<b>290</b>	<b>72</b>
vi)	STP	200 KLD	--	14	6	2
<b>Total Waste Generated</b>				<b>626</b>	<b>296</b>	<b>74</b>

18. **Project cost:** Total estimated cost of the project is INR 91.44 Crores. Environment management cost will include 42.1 lakhs (Capital) and 14.5 akhs (recurring) during operation phase.

19. **Environment Consultant:** The Environment consultant M/s P and M Solution., Noida (Uttar Pradesh) along with the proponent made a presentation on the proposal before the Committee on 14.02.2023.

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

Sl. No	Information Sought by SEAC	Compliance furnished by the	Views of SEAC
e)	NOC/ permission from Water Resources Dept., Govt. of Odisha for discharge of treated water to nearby nallah.	On enquiry with Prachi division of WRD, they said this case does come under their jurisdiction and directed us to Cuttack drainage division. On enquiry they too said that these areas is not covered, further we asked the RI/Local Amina of barrage tahasil office, he said that this is a local area development initiated by the	NOC from Ramadaspur Gram Panchayat have no objection for construction of Project proponent own drainage system connecting to public drain for disposal of storm water drainage and sewerage to the public drain.
f)	Revised water balance.	Report enclosed Enclosure 02	Revised total water requirement is 140KLD and 38KLD will be discharged to drain in Non-Monsoon period
g)	Proposed green belt area is 10% of total built up area. Proposal to increase the peripheral greenbelt area minimum to 20% of total plot area as per norms.	Revised drawing attached with compliance Enclosure 03	Enclosure is attached as annexure III





**Minutes of 138<sup>th</sup> Meeting of SEIAA, Odisha Held on 10.10.2023 & 12.10.2023**

	Detailed break-up of solar power to be generated, consumed, including capacity of PV cell capacity, connected devices and the percentage of solar energy added total power demand.	Power breaks up given by our consultant M/S unit Bangalore. Enclosure 04	Detailed Power break up of solar power had not submitted.
<b>Sl. No.</b>	<b>Information Sought by SEAC</b>	<b>Compliance furnished by the proponent</b>	<b>Views of SEAC</b>
i)	Copy of structural stability certificate from appropriate authority.	Copy of the Stability certificate attached Enclosure- 05	Submitted
j)	Certificate from the concerned DFO regarding distance of proposed project from Chandaka Dampara Wildlife Sanctuary or any other nearby Sanctuary.	The Concerned DFO has already given the certificate Enclosure 06	DFO Chandaka Wildlife division has certified that the mouza Padmalavanagar is not coming within ESZ of Chandaka Dampara Wildlife Sanctuary. Exact distance of proposed project from ESZ is not submitted.
k)	Copy of CDA building plan approval letter.	The CDA building Plan approval letter is attached	Enclosure is attached as annexure VII.

22. The proposed site was visited by the sub-committee of SEAC on 29.04.2023. Following are the observations of the sub-committee:

- a) PP was present along with other team members. It was observed that the site is adjacent to the main road.
- b) The site was clean excepting a small outhouse, which PP informed is temporary for worker and will be demolished once construction is over.
- c) The road side has no drain at present but CDA has taken required fee for developing the same later. Till then the PP informed to connect the excess treated water to the nearest Nalla (about 500 mts away) for which they have taken NOC from Panchayat. In this regard PP needs to take permission for constructing drain at one side of the road till the Nalla, from PWD department. Both NOC from Panchayat and PWD to be kept as conditions in the E.C.
- d) Copy of Revenue map showing the drain/Nalla to be provided.
- e) No trees are there, so green belt of minimum 20% to be developed.
- f) Documents asked during presentation needs to be submitted.

23. Considering the information furnished and the presentation made by the consultant, M/s P and M Solution., Noida (Uttar Pradesh) along with the project proponent, the SEAC



**Minutes of 138<sup>th</sup> Meeting of SEIAA, Odisha Held on 10.10.2023 & 12.10.2023**

recommended for grant of Environmental Clearance valid for 10 years with stipulated conditions as per **Annexure-C** in addition to the following specific conditions.

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

The proposal was placed in the 130<sup>th</sup> meeting of SEIAA held on 1<sup>st</sup>, 2<sup>nd</sup> & 3<sup>rd</sup> August, 2023 and the Authority observed that the PP has not submitted the response of Water Resource Department for use of canal/river water for the project as sought by SEIAA vide letter dated 26.07.2023. The PP is required to submit the compliance failing which the EC application shall be rejected.

Now the PP has submitted the necessary ADS raised by SEIAA for consideration of EC.

Whether SEAC recommended the proposal – N/A

**Decision Of Authority: Approved**

The Authority perused the submission made by PP vide letter dated 06.10.2023 and observed that the proposed domestic fresh water requirement is 84 KLD while the NOC obtained from CGWB is for 147 KLD. After detailed deliberation on the matter the Authority decided to grant EC subject to the condition that the PP shall limit extraction of ground water to 84 KLD only.

Member Secretary, SEIAA

APPROVED BY

Member, SEIAA

Chairman, SEIAA





## Minutes of 138<sup>th</sup> Meeting of SEIAA, Odisha Held on 10.10.2023 & 12.10.2023

AGENDA NO.138.04	
Proposal No.	SIA/OR/INFRA2/418519/2023
Date of application	13.03.2023
File No.	418519/13-INFRA2/03-2023
Project Type	EC
Category	B1
Project/Activity including Schedule No.	7(d)(a)-Common Bio-Medical Waste Treatment Facility
Name of the Project	Proposal for grant of EC for Setting up of Common Bio-medical Waste Treatment & disposal facility at Khata No-81/17, Plot No-15, at Mouza-Balibad, Tahasil- Soro, District-Balasore including Incinerator, Autoclave, Shredder and Effluent treatment unit.
Name of the company/Organization	Applicant:M/s Utkal Envirocare; Sri. Ganesh Prasad Swain, Director
Location of Project	at Mouza-Balibad, Tahasil- Soro, District-Balasore
ToR Date	02.03.2022

### **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 Utkal Envirocare for Common Bio-medical Waste Treatment & disposal facility over an area 1.5 Acre (0.60 Ha) located at Khata No-81/17, Plot No-15, Mouza-Balibad, Tehsil- Soro, District- Balasore filed by Sri Ganesh Prasad Swain, Director.
- (ii) Project details: M/s Utkal Envirocare has proposed for development of Common Bio- Medical Waste Treatment Facility at Khata No-81/17, Plot No-15, Mouza- Balibad, Tehsil- Soro, District- Balasore, Odisha for handling & disposal of Bio medical waste generated within a radius of 150 Km. The proposed CBWTF unit consist of Incinerator, Autoclave, Shredder and Effluent treatment unit. The Incinerator with proper Air Pollution Control Device (APCD) with a capacity of 200 Kg/hr or 3.2 TPD, 2 Nos of Autoclave with a capacity of 125 Kg/hr or 2 TPD, Shredder with a capacity of 125kg/hr or 2 TPD and ETP – 15KLD. The objective for the proposed project is to establish an Integrated Common Bio-medical Waste Treatment facility to handle 300 kg/hr or say 5.2 TPD of Bio-medical waste.
- (iii) ToR details: Terms of Reference (ToRs) was issued by SEIAA, Odisha vide letter no. 4129/SEIAA dtd. 02.03.2022.
- (iv) Location and Connectivity: The Project is proposed to be located at Khata No-81/17, Plot No-15, Mouza-Balibad, Tehsil- Soro, District-Balasore, Odisha. The project site is bounded by geo-coordinates Latitude 21°18'51.04"N and Longitude 86°40'54.72"E bearing Toposheet No F45011. The nearest Highway is NH-16 is at 2.2 Km towards SE of the Project Site which is connected to the site via approach road of 0.2 Km known as Bagudi road. The nearest railway station is Soro railway station at 2.6 km towards SSE from the project site. Nearest airport is Biju Patnaik International Airport at 148 km, SW from the project site. Nearest river is Pitakalia at 8km. Nearest habitation are Balibad – 1.2 km.
- (v) The Kuldiha Wildlife Sanctuary is at 5.5 km from project site and there is no other national park or bird sanctuary within 10 km radius of the project site. The Kuldiha Wildlife Sanctuary has notified the Eco-sensitive zone vide SO 2539(E) dtd 9<sup>th</sup> August 2017.



- (vi) NOC from D.F.O has been obtained vide letter no. 10978/3F-Lease F. No. 09/2021 Dated. 30/12/2021 mentioning that the proposed project is outside the Eco Sensitive Zone of Kuldiha Wild Life Sanctuary and is at a distance of more than 3 Km.
- (vii) Public hearing details: The public hearing for the proposed Greenfield Project for Installation of Common Bio-medical Waste Treatment & disposal facility was conducted on 12.10.2022 at 10.30 AM at Nuapur- Dahipur Melanpodia, Mouza - Dahipur, PO - Radhabalrampur, Tahasil- Soro, District - Balasore. Issues raised during the public hearing were smell due to storage and reprocessing of Bio-medical wastes by the project, apprehension on generation of Methane gas from the unit during storage for the longer period, discharge of effluent from the project site and contaminating the nearby water bodies used by the local people, human settlement present near the proposed project site and providing employment to local people. A total amount of Rs. 2.6 Lakh would be utilized for CER program. Budget allocated for the action plan of the public hearing is Rs. 22.15 lakhs.
- (viii) Land-use: The total land, acquired for the facility is 6070.28 Sq.m (1.5 acre). The land use breakup of the proposed facility is as following

S. No.	Facilities	Area (Sq.m)
1.	Plant Facilities (Waste storage rooms, autoclave, incinerator, shredder etc.)	437.06
2.	Administrative and auxiliary facilities	157.83
3.	Rain Water Harvesting Pond	898.40
4.	EIP	700.11
5.	Vehicle Wash	98.29
6.	Green Belt area	2015.33
7.	Parking	178.06
8.	Internal roads	1189.78
9.	Miscellaneous	295.42
	<b>Total</b>	<b>6070.28</b>

- (ix) Baseline details: The baseline study was conducted during 1st March 2022 to 31st May 2022 during Pre-monsoon season. Following results have been obtained.
- Respirable Particulate Matter  $PM_{10}$ : Maximum value -  $85.7\mu g/m^3$  and minimum value -  $53.9\mu g/m^3$ . The average values to be in the range of  $71.9$  to  $78\mu g/m^3$  and the 98% tile were observed by in the range of  $79.7$  to  $85.7\mu g/m^3$ .
  - Particulate Matter ( $PM_{2.5}$ ): Maximum value -  $48.7\mu g/m^3$  and minimum value -  $31.2\mu g/m^3$ . The average values to be in the range of  $39.2$  to  $42.9\mu g/m^3$  and the 98% tile was observed by in the range of  $45.6$  to  $48.5\mu g/m^3$ .
  - Oxides of Nitrogen ( $NO_2$ ): Maximum concentration of  $NO_2$  -  $18.4\mu g/m^3$  and minimum value -  $9.5\mu g/m^3$  observed. The average values to be in the range of  $12.4$  to  $14.5\mu g/m^3$  and the 98% tile was observed by in the range of  $16.3$  to  $18.3\mu g/m^3$ .
  - Sulphur Dioxide ( $SO_2$ ): Maximum concentration of  $SO_2$  -  $9.6\mu g/m^3$  and minimum value -  $5.1\mu g/m^3$ . The average values to be in the range of  $6.5$  to  $8\mu g/m^3$  and the 98% tile was observed by in the range of  $7.6$  to  $9.6\mu g/m^3$ .



- e) Carbon Monoxide (CO): Maximum concentration of CO is observed to be 510  $\mu\text{g}/\text{m}^3$  and minimum value of 200  $\mu\text{g}/\text{m}^3$ . The average values to be in the range of 331 to 418  $\mu\text{g}/\text{m}^3$  and the 98% tile was observed by in the range of 450 to 510  $\mu\text{g}/\text{m}^3$ .
- f) Ground Water Quality: The pH values observed were in the range of 7.72 to 8.08; with total dissolved solid ranging from 620 mg/l to 780 mg/l. Total Hardness was in the range of 258 mg/l to 300 mg/l. The concentration of alkalinity was in the range of 246 to 290 mg/l.
- g) Surface Water Quality: The pH values observed were in the range of 7.52 to 7.83 with total dissolved solids in the range of 356 mg/l to 510 mg/l. BOD were observed less than 3.1 mg/l. Chloride varied between 84 mg/l & 160 mg/l. Sulphates varied from 16 to 23 mg/l. Nitrate varied from less than 0.8 to 2.2 mg/l.
- h) Soil: It has been observed that the pH of the soil ranged from 7.77 to 7.98 indicating that the soils are slightly alkaline to moderately alkaline in nature. The electrical conductivity was observed to be in the range of 169 to 190  $\mu\text{S}/\text{cm}$ . The nitrogen concentrations are in the range of 40 to 56 mg/kg. The phosphorous concentrations are in the range from 2.8 to 3.7 mg/kg.
- (x) Flora and Fauna: No Schedule- I type fauna is found in the study area. No wildlife is found in the study area. No threatened, rare, or endangered plant species are found in the study area. There is elephant corridor within study area where the movement of Elephant has been observed. The Forest department has made barricading in Gangajal Ghati (Protected Forest). The elephant corridor is situated on another side of Damodar River in South at approx. 8 km w.r.t project site.
- (xi) Water Requirement: Total water requirement will be 21 KLD out of which 13 KLD will be fresh water which will be sourced from the Soro Block via Pipeline and rest 8 KLD will be reused after proper treatment.

S. No	Unit Process	Quantity of Water Used (KLD)	Remark
1	Process Water (Autoclave & other process)	9.0	
2	Domestic Purposes	3.0	
3	Green belt	6.0	Recycled -6.0 KLD
4	Vehicle & Floor Washing	3.0	Recycled water -2.0 KLD + Fresh water -1 KLD
	<b>TOTAL</b>	<b>21.0</b>	
	Total fresh water	13.0	
	Total recycled water	8.0	

- (xii) ETP: An ETP of 15 KLD capacity will be established to treat the scrubbed water, floor washings and other wastewater from the plant and recirculate the treated water into the scrubber (APCD) as well as utilize in the greenbelt development making the system as zero discharge system.
- (xiii) Power Requirement: The power required for the facility is 100 KW and will be procured from nearest grid. For emergency backup, a 1 DG set (100 KVA) is proposed.
- (xiv) Fuel Requirement: Diesel which will be used as fuel for incinerator will be stored at the premises. Total quantity of 432 Lit/day will be required and will be stored with storage capacity of 500 liters.
- (xv) Greenbelt: A three tier canopy green belt will be developed with flowering species to abate dust, noise, and odour and to increase the aesthetic value. The green belt will cover 33.19% of the total project area i.e., 2015.28 sqm (0.498 acres). About 350 numbers of saplings are recommended for developing the green belt to abate dust, noise, odour, and soil erosion.
- (xvi) Traffic study: The LOS study shows that the present traffic scenario is "Excellent", and the free flow of vehicles is observed during the study period. Due to the proposed project the traffic



**Minutes of 138<sup>th</sup> Meeting of SEIAA, Odisha Held on 10.10.2023 & 12.10.2023**

density will increase as all the biomedical waste will be transported through the road under study. The traffic conditions through V/C ratio does not change even after the proposed traffic load.  
 (xvii) Required Manpower: 48 persons are proposed to hire for the manpower requirement including skilled and unskilled for the proposed project during operational phase.

Sr. No.	Details	Manpower
1.	Management /Skilled	6
2.	Business Development	5
3.	Management /Skilled	6
4.	Semi-Skilled/supervisory staff	6
5.	Unskilled	8
6.	Drivers	7
7.	Helpers	7
8.	Security	3
	<b>Total</b>	<b>48</b>

(xviii) Project cost: The cost of the project is Rs 2.60 Crores approximately. Cost towards environmental mitigation measures allocated is Rs. 35.50 lakhs as capital investment and recurring cost of Rs 8.75 lakhs per annum.

S. No.	Particulars	Capital Cost (Rs. in lakh)	Recurring Cost (Rs. In lakhs/ annum)
1	Air Pollution Control Systems wet scrubber etc.	6.0	1.5
2	Effluent treatment plant	5.0	1.0
3	odor management etc.	1.15	0.5
4	Noise Control measures – Acoustic enclosures for DG set, Noise barriers for pumps, boiler, etc.	2.5	0.50
5	Landscaping, Greenbelt development	1.85	1.0
6	Rainwater harvesting, storm water drains	1.5	0.25
7	Online Stack monitoring	10	1.0
8	Ambient Air quality monitoring/ stack monitoring	-	2.5
9	Disposal to Secured Land Fill operator	2.5	0.5
10	CER	5.0	-
	<b>Total</b>	<b>35.5</b>	<b>8.75</b>

(xix) The Environment consultant M/s Grass Roots Research & Creation India (P) Ltd., Noida along with the proponent made a presentation on the proposal before the Committee on 14.02.2023.

(xx) The PP submitted ADS to SEAC on 10.05.2023.

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

**1. Whether SEAC recommended the proposal – Yes.** The SEAC meeting held on 12.07.2023 recommended for grant of Environmental Clearance for the project valid for a period of 10 years with stipulated conditions.





**Minutes of 138<sup>th</sup> Meeting of SEIAA, Odisha Held on 10.10.2023 & 12.10.2023**

2. The proposal was placed in the 134<sup>th</sup> meeting of SEIAA held on 07.09.2023 and 08.09.2023 and the Authority observed that the CTE dated 22.07.2016 as well as the lease agreement of the land on 17<sup>th</sup> August 2015 is in favour of M/s. Utkal Envirocare Solution Pvt. Ltd. which is a register company. While the present applicant Utkal Envirocare which is a partnership firm and therefore a different entity. After detailed deliberation the Authority decided that the PP is required to submit CTE and land record in their favour for consideration of EC.

Now the PP has submitted their clarification for consideration of EC.

**Decision Of Authority: ADS**

The Authority perused the submission of PP's letter dated 21.09.2023, and after detailed deliberation on the matter, the Authority decided that the PP is required to submit the land record in his favour as sought in the ADS, failing which the proposal shall be rejected.

APPROVED BY

  
Member Secretary, SEIAA

  
Member, SEIAA

  
14.10.2023  
Chairman, SEIAA





## Minutes of 138<sup>th</sup> Meeting of SEIAA, Odisha Held on 10.10.2023 & 12.10.2023

AGENDA NO.138.05	
Proposal No.	SIA/OR/MIN/419481/2023
Date of application	24.02.2023
File No.	419481/803-MINBI/03-2023
Project Type	Proposal for EC
Category	B1
Project/Activity including Schedule No.	I(a) Mining of minerals
Name of the Project	Proposal for grant of EC for Kotadwar Sand Ghat over an area of 50.00 acres or 20.235 ha. At village- Patugadadharpur, Tahasil-Banki, Cuttack district, Odisha
Name of the company/Organization	ABHISEK MOHANTY, Village-Patugadadharpur, Tahasil-Banki, Cuttack District, Odisha.
Location of Project	village- Patugadadharpur, Tahasil-Banki, Cuttack district, Odisha
ToR Date	26.08.2021
Name of the Consultant	M/s EHS360 Labs Pvt Ltd (EHSI), Chennai - 68

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

- (i) This is a proposal for mining of sand from Kotadwar Sand Ghat over an area of 20.235 ha, at village-Patugadadharpur, Tahasil - Banki, Cuttack district of Sri Abhisek Mohanty.
- (ii) The mining area is a part of Survey of India Toposheet No. 73II/11, and the lease area bounded by Latitude: 20°22'23.8" E to 20°22'43.5" E & longitude of 85°30'11.80" N to 85°30'35.30".
- (iii) The mining lease is an identified sairat source in the DSR. The Kotadwar Sand Ghat sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Banki to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- (iv) Documents submitted: -Form-1, PFR, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, topo map etc.
- (v) Whether submitted KML file of the lease area-Yes
- (vi) Whether submitted scrutiny fee-Yes, of Rs. 2000/- vide e Challan Reference Id 310FA3D32E dated 15.07.2021
- (vii) Distance from nearest sanctuary/ESZ- Chandaka WLS-17.0 Km
- (viii) Whether the lease area coming in DLC report-No,
- (ix) Whether the lease area reflecting in DSR-Yes
- (x) Method of mining-Manual
- (xi) River-Mahanadi, Depth of sand deposition-3.0
- (xii) Distance from nearest road bridge-26.0 km, village road -2.5 km,
- (xiii) Whether it is part of cluster -No
- (xiv) Whether EC obtained earlier-Yes and submitted EC compliance
- (xv) Date of approval of mining plan- The Deputy Director of Geology, Bhubaneswar, vide Lr. No. 1149/DG dated 12.02.2019
- (xvi) Production capacity per annum-110000 cum/annum (max.), total production in 5 years period-550000 cum, Geological reserve-607050 cum and Mineable reserve-550002 cum and proposed depth of mining-1.8 m





YEAR	Surface area in m <sup>2</sup>	Thickness in mtr	PRODUCTION (m <sup>3</sup> )
1 <sup>ST</sup> YEAR	36666.7	3	1,10,000
2 <sup>ND</sup> YEAR	36666.7	3	1,10,000
3 <sup>RD</sup> YEAR	36666.7	3	1,10,000
4 <sup>TH</sup> YEAR	36666.7	3	1,10,000
5 <sup>TH</sup> YEAR	36666.7	3	1,10,000
<b>TOTAL.</b>			<b>5,50,000</b>

- (xvii) Whether the DSR has been prepared as per the MoEF & CC, Govt. of India Notification S.O. 3611(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020- **No**
- (xviii) **TOR Details:** Terms of Reference (TOR) was granted by SEIAA, Odisha vide letter no 2308/SEIAA dated: 26.08.2021.
- (xix) **Public hearing details:** The Public Hearing meeting for Kotadwara sand ghat on Mahanadi River over ML area 20,235 ha., was held on 09/02/2022 at 11:30 am at Patugadadharpur Village, field near Kotadwara School under Banki Tahasil of Cuttack District. Issues raised during public hearing are plantation to be done, provide tarpaulin cover on sand loaded vehicles, provide water sprinkling on road during movement of vehicles, Regulate the movement of sand vehicles by taking care of the movement of school, college students and domestic animals. Budget earmarked for the action plan of public hearing is Rs. 7.10 lakhs
- (xx) **Replenishment Study Report** - For Replenishment study, the survey was done by using UAV/Drone which indicates the mineable sand deposit is around 33525 cum. 60% of the above computed mineable reserve has been taken as available mineable reserve over the area as per MoEF Notification dated 25.07.2018. Maximum of 33525 cum of sand per annum may be allowed for mining activities. 60% of the mineable reserve is **20115 cum**. The maximum extraction limit as per sustainable sand mining Rule of MoEF Guideline is 20115cum.
- (xxi) **Replenishment study:** For the said project, replenishment study has been carried out by Volumetric Survey using GPS to define the topography, Contours, RLs of the lease area. The Pre-monsoon Survey was carried out on 04.06.2022 by Field Survey method whereas the post-monsoon survey has been done on 21.12.2022 using Drone & DGPS. In order to estimate the replenished volumes of sand, Cross-section points of each grids for both the surveyed data were compared, the data obtained in pre-monsoon & post monsoon surveys. The safe workable area due to various statutory mining restrictions as per the Sand Mining Guideline, 2020 has been considered for calculations of reserve estimation. It is estimated that an area of 124695 m<sup>2</sup> during pre-monsoon survey & 140610 m<sup>2</sup> during post-monsoon survey is considered as safe workable area. From the study, it is found that the quantity of sand available during pre-monsoon survey is 224451 m<sup>3</sup>. The quantity of sand available during Post-monsoon survey is 253098 m<sup>3</sup>. The Replenishment Volume = 253098 - 224451 = 28647 m<sup>3</sup>. It may be concluded that 28647 m<sup>3</sup> volume of sand is replenished during monsoon, which can be treated as safe extractable within the framework of the study



**Minutes of 138<sup>th</sup> Meeting of SEIAA, Odisha Held on 10.10.2023 & 12.10.2023**

Surveys	Safe workable Area in m <sup>2</sup>	Average thickness in m	Mineable Volume (m <sup>3</sup> )	Extractable Volume = 60% in m <sup>3</sup>
Pre-monsoon Survey	124695	3	374085	224451
Post-Monsoon Survey	140610	3	421830	253098

- (xxii) **Project cost:** Total cost of Project is Rs. 2.0 Crores. CER and CSR budget includes Rs.4 lakhs and Rs. 20,000 respectively. Environment Management Plan Cost includes a capital cost of Rs. 155000 and recurring cost of Rs.96000.
- (xxiii) Any deficiencies/omission have been noticed in the above documents-Not submitted last five years production.

- 2. Whether SEAC recommended the proposal** – The proposal was placed in the SEAC meeting held on 11.07.2023 and the SEAC **recommended** the proposal for EC with observation: -
- a) Amended EIA Notification dated 25<sup>th</sup> July, 2018, Guidelines for sustainable sand mining, 2016 and Enforcement and Monitoring Guidelines for Sand Mining, January 2020 of MoEF&CC, Govt. of India shall be adhered to in execution of Mining as per **Annexure – D**.
  - b) Sand extraction shall be limited to quantity (28647 cum) and depth as per Replenishment Study Report submitted. Regular replenishment study as per guidelines to be conducted and report to be submitted.
  - c) Provision of Bio-toilet shall be made at the site.
  - d) Avenue plantation and plantation on both sides of the haulage road in consultation with/ on the advice of concerned Forest Department, Government of Odisha & W.R. Department Government of Odisha as well.
  - e) Stone patching with plantation in between along the stretch of the bank associated with sand mining and necessary ramp construction shall be made.
  - f) **At Banki side, there is a small stream at the proposed mining area but now almost dried up. So, NOC/ permission from Water Resources department shall be obtained for transportation within the river in case of occasional water flow.**

**3.** The proposal was placed in the 130<sup>th</sup> meeting of SEIAA held on 01.08.2023, 02.08.2023 & 03.08.2023 and after detailed deliberation in the matter, the Authority decided to seek clarification on the following:

- (i) The PP is required to clarify why the present application shall not be rejected as there is another application vide proposal no.SIA/OR/MIN/405647/2022 in the Parivesh portal under the same subject.
- (ii) The PP is required to submit certified compliance report duly signed by Tahasildar, Banki indicating the latest compliance.

**Decision Of Authority: Approved**

After detailed deliberation in the matter, the Authority decided to grant EC with usual stipulated conditions recommended by SEAC along with specific conditions as follows:

- (i) Maximum depth of mining 3.0 meter and maximum quantity of extraction shall be limited to **28647 cum** in 1<sup>st</sup> year and **28647 cum** in 2<sup>nd</sup> year. PP shall submit Annual rate of replenishment study (ARRS) report through ORSAC empanel agency by **December' 2025**.
- (ii) The validity of EC for 1<sup>st</sup> year and 2<sup>nd</sup> year is subjected to validity of DSR or validity of lease period whichever is earlier.
- (iii) The Grant of EC for further period will be considered after submission of approved DSR by SEIAA as per the MoEF& CC, Govt. of India Notification S.O. 3611(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020 and also as per the Hon'ble Supreme Court order vide its order dated 10.11.2021 in Civil Appeal Nos. 3661-3662 of 2020 (State of Bihar Vrs. Pawan Kumar and Others).



**Minutes of 138<sup>th</sup> Meeting of SEIAA, Odisha Held on 10.10.2023 & 12.10.2023**

- (iv) The Project proponent shall follow Enforcement & Monitoring Guideline for sand mining-2020 before and during operation of quarry.
- (v) The Project Proponent (lease holder) shall deposit Rs.10,00,000/-, with the respective District Environment Society for raising 2000 plants (minimum @100 trees per Ha) of native species within 2 years in a suitable location adjoining to quarry.
- (vi) The PP will implement the EMP with a budgetary allocation of Rs.1,55,000/- as capital cost and Rs. 96,000/- as recurring cost, as proposed during lease period of 5 years.
- (vii) The PP shall comply to the issues raised during public hearing will spend Rs. 4.0 Lakhs as proposed towards compliance of public hearing issues.

  
Member Secretary, SEIAA

APPROVED BY

  
Member, SEIAA

  
14.10.2023  
Chairman, SEIAA



**AGENDA NO.138.06**

Proposal No.	SIA/OR/MIN/417345/2023
Date of application	21.02.2023
File No.	417345/798-MINB1/02-2023
Project Type	Proposal for fresh EC
Category	B1
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for grant of EC for Kusumi & Mohuda Stone Quarries Cluster over an area of 27.258 Acres or 11.139 hectares in village Kusumi & Mohuda, Tahasil Kukudakhandi in District Ganjam, State Odisha submitted under cluster approach with total cluster area 11.139 Hectares with consisting of 5 stone quarries.
Name of the company/Organization	Tahasildar, Kukudakhandi
Location of Project	village Kusumi & Mohuda, Tahasil Kukudakhandi in District Ganjam, State Odisha
ToR Date	19.08.2022
Name of the Consultant	M/s. P and M Solutions

**Proposal in brief:**

1. The highlights of the proposal as ascertained from the application and as revealed from proceedings/discussion held during the meeting of SEAC/SEIAA, are given as under.
  - (i) This proposal is for environmental clearance for Kusumi & Mohuda stone quarries cluster over an area of 27.258 Acres or 11.139 hectares in village Kusumi & Mohuda, Tahasil Kukudakhandi in District Ganjam of Tahasildar, Kukudakhandi (submitted under cluster approach with total cluster area 11.139 Hectares with consisting of 5 stone quarries).
  - (ii) **Category:** The proposed project is in cluster situation as other leases are within 500 m radius of lease & total lease area becomes greater than 5 ha. So, as per the EIA notification 2006 and its subsequent amendments, proposed project falls in category B1 under Schedule of item 1(a) -Mining of Minerals.
  - (iii) **Mining plans approval details of Kusumi & Mohuda stone quarries:**

S.No	Name and Address of the Mine	Khata No/Plot No	Lease Area	Mining Plan Approval	EC Status
i)	Kusumi Stone Quarry Mouza-Kusumi Lessee- Sri Surya Narayan Swar	Khata No-325 Plot No-147/P	2.294 Ha	1019/SZ, 30.07.2022	Applied for Fresh EC (ToR Granted in Cluster)
ii)	Kusumi Stone Quarry Mouza-Kusumi Lessee- Smt. Swapna Behera	Khata No-325 Plot No-147	1.199 Ha	529/SZ, 22.04.2022	Applied for Fresh EC (ToR Granted in Cluster)
iii)	Kusumi Stone Quarry Mouza-Kusumi Lessee- Smt. Swapna Behera	Khata No-325 Plot No-166	2.472 Ha	527/SZ, 22.04.2022	Applied for Fresh EC (ToR Granted in Cluster)
iv)	Mohuda Stone Quarry Mouza-Mohuda Lessee- Smt. B.Sita Reddy	Khata No-669 Plot No-1978 (P)	4.284 Ha	905/SZ, 01.07.2020	Applied for new EC (ToR Granted in Cluster)





**Minutes of 138<sup>th</sup> Meeting of SEIAA, Odisha Held on 10.10.2023 & 12.10.2023**

(v)	Mohuda Stone Quarry Mouza-Mohuda Lessee- Sri V.Budu	Khata No-669 Plot No-1978 (P)	0.890 Ha	531/SZ, 22.04.2022	Applied for Fresh EC (ToR Granted in Cluster)
-----	---	-------------------------------------	----------	-----------------------	--

(iv) There are two other identified sairat sources quarries present within 500 m of proposed cluster i.e.

S.No	Name and Address of the Mine	Khata No/Plot No	Lease Area	EC Status
i)	Mohuda Stone Quarry Mouza-Mohuda Lessee- Sri Tushar Kanta Dash	Khata No-669 Plot No-1406	2.165 Ha.	EC Granted on Date: 30.07.2022 from SEIAA & Running till 27.05.2025
ii)	Mohuda Stone Quarry Mouza-Mohuda Lessee- Sri B. Balaji Reddy	Khata No-669 Plot No-1978 (P)	2.165 Ha.	EC Granted on Date: 10.8.2021 from SEIAA & Running till 21.08.2026

- (v) **DLC details:** -The proposed Sairat source under Kukudakhandi Tehsil is not coming under DLC land vide Letter no-5001 dated 03 June 2022.
- (vi) **TOR details:** Terms of Reference (TOR) has been prescribed by SEIAA, Odisha vide Reference No: 5157/ SEIAA; File no. SIA/OR/MIN/81911/2022 dated 19.08.2022.
- (vii) **Public hearing details:** Public hearing was successfully conducted on date 23.11.2022 at village- Kusumi, Tehsil-Kukudakhandi, District- Ganjam, Odisha. Issues raised during public hearing are local employment, local development, construction material availability for developmental works, assistance to local people, plantation, and control blasting. Funds allocated for Public Hearing issues are: Rs.89000.00 for plantation, 0.20lakhs for medical camp and 0.50lakhs for distribution of books and educational awareness campaign.
- (viii) **Location and connectivity:** The Kusumi & Mohuda Stone Quarry lease is located at Village- Kusumi & Mohuda, Tehsil- Kukudakhandi, District-Ganjam, Odisha. The area falls in Survey of India topo sheet No. 74A/11, 74A/12, 74A/15& 74A/16. Kusumi stone quarry bears Khata no.325 plot nos.147/P (2.294 ha.),147(2.472 ha.) and 166(1.199 ha.) while Mohuda stone quarry bears Khata no 669, Plot no 1978(P) with 0.890 and 4.284 hectares. The quarry area bounded between the Latitude -19°16'37.96" N to 19°17'5.62" N and Longitude - 84°44'08.06" E to 84°44'36.64" E with an elevation of about 60m RL to 38 mRL. Nearest railway line is Berhampur Railway station at 6.0 Km NE, NH-16 is at 4.50 km in SE, SH- 22 is at 1.20 km in NW. Nearest road bridge is at Haladiapadara over bridge at a distance of 4.50km SE and nearest river embankment is at 20km in SW. Nearest reserve forest is Ramagurtha reserve forest at a distance of 3.30 km in SW.
- (ix) There is no National Park or Biosphere Reserve within 10 km distance from the lease area. The life of the mine will be 27 years for cluster.
- (x) **Topography and drainage:** The area falls in Eastern Ghats of Odisha in Ganjam district. This group of formation comprises of granitic gneisses, granites, khondalites, chanoekites and granitoids. A variety of Granite Gneiss forming peneplains ground occurs at geomorphic levels above 100- 150MSL. They are believed to be late proterozoic age. The quarry lease has highest elevation of about 60m RL and lowest elevation of 38 mRL. There is no stream crossing in the mine lease area. Dakhinapur Reservoirs is at approx 5.60 km towards NE direction.



**Reserves and total production:** As estimated, reserves of Kusumi and Mohuda stone mining lease is presently spanning over an area of 11.139ha. (Cluster area). The proposed project is to mine Kusumi & Mohuda Stone Quarry (Cluster Area 11.139ha.) for proposed production of 37,364 cum/year (under cluster approach).

Name of The Mine	Production (cum)
Kusumi Stone Quarry (2.294 ha.)	8015
Kusumi Stone Quarry (2.472 ha.)	10098
Kusumi Stone Quarry (1.199 ha.)	6148
Mahuda Stone Quarry (0.890 ha.)	3015
Mahuda Stone Quarry (4.284 ha.)	10088
Total	37,364

Name of The Mine	Geological Reserves (cum)	Mineable Reserves (cum)
Kusumi Stone Quarry (2.294 ha.)	308307	219675
Kusumi Stone Quarry (2.472 ha.)	338138	188865
Kusumi Stone Quarry (1.199 ha.)	76976	51516
Mahuda Stone Quarry (0.890 ha.)	86197	47466
Mahuda Stone Quarry (4.284 ha.)	637641	507237

- (xii) **Mining method:** Mining will be done by semi-mechanized method. Mining will be done by deploying machines like jackhammer, drill compressor, rock breaker, excavator and tractors/trucks. Tipper and trucks will be used for transporting stone and waste. Drilling & blasting will be carried out as & when required. In a month, around 57- 63 no. of drill holes will be made. On monthly basis around 24kg of non-explosive blasting material will be consumed. Blasting will be carried out by an employed blaster. Short hole blasting will be practiced. Bench height will be 5.0 m and Width 5.0m. Ultimate pit slope will be 45°.
- (xiii) **Waste generation:** About 10% of mine waste will be generated which is mineral fines along with undersized material & other intermediate weathered products. These wastes will be disposed to the proposed dump yard in NW part of lease area. These wastes will be used for the construction of mine road. The retaining wall around the dump will be constructed to prevent the wash off dump. Around the retaining a garland drain and settling tank will be provided to prevent the possible transportation of mine dust or fines. Garland drain will be provided in 522m boundary of section 2.0m x 1.5m. The protective bound will also be prepared around the periphery of the ML. area in 5m width.





**Minutes of 138<sup>th</sup> Meeting of SEIAA, Odisha Held on 10.10.2023 & 12.10.2023**

Waste Generation (cu.m.)					
	Kusumi Stone Quarry (2.294 ha.)	Kusumi Stone Quarry (2.472 ha.)	Kusumi Stone Quarry (1.199 ha.)	Mohuda Stone Quarry (0.890 ha.)	Mohuda Stone Quarry (4.284 ha.)
1 <sup>st</sup>	3435	1122	1537	335	2522
2 <sup>nd</sup>	3435	1122	1537	335	2522
3 <sup>rd</sup>	3435	1122	1537	335	2522
4 <sup>th</sup>	3435	1122	1537	335	2522
5 <sup>th</sup>	3435	1122	1537	335	2522

xiv) **Baseline study:** Study at the site was monitored during pre-monsoon season March 2022 to May, 2022. Following observations were made:

- Ambient Air quality:** The minimum and maximum level of PM<sub>2.5</sub> recorded within the study area was in the range of 25.23µg/m<sup>3</sup> to 43.51µg/m<sup>3</sup> with the 98th percentile ranging between 38.44µg/m<sup>3</sup> to 43.35µg/m<sup>3</sup>. The 24 hourly average values of PM<sub>2.5</sub> were compared with the National Ambient Air Quality Standards (NAAQS) and found that all sampling stations recorded in the study area are within the applicable limits i.e., 60 µg/m<sup>3</sup> for PM<sub>2.5</sub> in rural areas. The minimum and maximum level of PM<sub>10</sub> recorded within the study area was in the range of 51.28µg/m<sup>3</sup> to 78.13µg/m<sup>3</sup> with the 98th percentile ranging between 72.38µg/m<sup>3</sup> to 77.58µg/m<sup>3</sup>. The minimum and maximum concentration of SO<sub>2</sub> recorded within the study area was 6.23 µg/m<sup>3</sup> to 9.78 µg/m<sup>3</sup> with the 98th percentile ranging between 7.74µg/m<sup>3</sup> to 9.77µg/m<sup>3</sup>. The minimum and maximum level of NO<sub>2</sub> recorded within the study area was in the range of was 8.03µg/m<sup>3</sup> to 15.21µg/m<sup>3</sup> with the 98th percentile ranging between 10.49µg/m<sup>3</sup> to 15.21µg/m<sup>3</sup>.
- Water quality:** During the study period, the pH was varying for ground waters from 7.15 to 7.48 & in Surface water from 7.57 to 7.62. The total dissolved solids are varying from 275 mg/l to 303 mg/l. Hardness of ground water varies from 114 mg/l to 135 mg/l. Concentration of Fluorides is less than <0.01mg/l.
- Noise levels study:** The values of noise observed in some of the areas are primarily owing to vehicular traffic. Assessment of hourly night time Leq (Ln) varies from 37.6to 44.3dB (A) and the hourly daytime Leq (Ld) varies from 48.7to 59.2dB (A) within the study area.
- Soil:** In the study area, variations in the pH of the soil were found to be slightly alkaline (7.32 to 8.05).

xv) **Water requirement:** A total of 17 KLD water will be required for Cluster applied area. The water will be supplied from available sources from nearby village.

Purpose	Water requirement (KLD)					Total
	Kusumi Stone Quarry (2.294 Ha.)	Kusumi Stone Quarry (2.472 Ha.)	Kusumi Stone Quarry (1.199 Ha.)	Mohuda Stone Quarry (0.890 Ha.)	Mohuda Stone Quarry (4.284 Ha.)	
Domestic & drinking	0.85	1.03	0.67	0.67	0.85	4.07
Dust suppression	9.2					9.2
Green belt development	2.75					2.75
Total						16.02 -L.D



**Wastewater management:** The wastewater generation from the above consumption is mainly from domestic consumption i.e., the wastewater generated from the domestic front is mainly from toilets. This water will be treated in septic tank followed by soak pit.

**Power supply:** Electrical power will be required only for site office and will be obtained from Solar energy. Transportation will be done through dumpers or trucks operating on diesel. No storage for diesel is proposed.

**Greenbelt:** The entire plantation will be done on the periphery of the reclaimed area. Precautionary measures will be taken for care of the forestation made by regular watering in the afforested area, to protect from grazing animals.

Year	Total Plantation	Green belt Nos.				
		Kusumi Stone Quarry (2,294 Ha.)	Kusumi Stone Quarry (2,472 Ha.)	Kusumi Stone Quarry (1,199 Ha.)	Mohuda Stone Quarry (0,890 Ha.)	Mohuda Stone Quarry (4,284 Ha.)
1 <sup>st</sup> year	1377	189	438	250	250	250
2 <sup>nd</sup> year	1377	189	438	250	250	250
3 <sup>rd</sup> year	1377	189	438	250	250	250
4 <sup>th</sup> year	1377	189	438	250	250	250
5 <sup>th</sup> year	1377	189	438	250	250	250
Total	6890	945	2190	1250	1250	1250

**Employment generation:** The total manpower requirement for the proposed project is 91 persons.

**Project cost:** The estimated cost of the project is 2.6 Crores (Cluster).

S.No	Name and Address of the Mine	Applicant	Total Cost (Rs)	CER 2% of Total Cost in Rs)
i)	Kusumi Stone Quarry Khata No 325, Plot No 147/P, Mouza-Kusumi	Sri Surya Narayan Swar	60 Lakhs	Rs 1,20,000
ii)	Kusumi Stone Quarry Khata No 325, Plot No 166, Mouza-Kusumi	Smt. Swapna Behera	50 Lakhs	Rs 1,00,000
iii)	Kusumi Stone Quarry Khata No 325, Plot No 147, Mouza-Kusumi	Smt. Swapna Behera	50 Lakhs	Rs 1,00,000
iv)	Mohuda Stone Quarry Khata No 669, Plot No 1978/P, Mouza-Mohuda	Smt. B. Sita Reddy	50 Lakhs	Rs 1,00,000





**Minutes of 138<sup>th</sup> Meeting of SEIAA, Odisha Held on 10.10.2023 & 12.10.2023**

Mohuda Stone Quarry Khata No 669, Plot No 1978(P), Mouza-Mohuda	Sri V. Budu	50 Lakhs	Rs 1,00,000
--	-------------	----------	-------------

The EMP (For Cluster) cost includes capital cost of Rs 20.02 Lakhs and recurring cost of 12.50 Lakhs.

Sl. No.	Measures	Capital Cost (In Rs.)	Recurring Cost (In Rs.)
i)	Water Sprinkling/Air Pollution Control (Dust Suppression along haulage road and mine)	--	5,00,000
ii)	Greenbelt development safety zone 7.5 mtr and along the road (for each plants including hedges and fences)	13,77,000	2,50,000
iii)	Environment Monitoring (Air, Water, Noise & Soil Monitoring)	--	2,50,000
iv)	Construction and Maintenance of Haul Road	6,25,000	2,50,000
Total		20,02,000	12,50,000

xxi) **Environment Consultant:** The Environment consultant **M/s P & M Solution, Noida** along with the proponent made a presentation on the proposal before the Committee on dtd. 10.03.2023.

xxii) The proponent has furnished the compliance and the SEAC verified the same as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of SEAC
a)	There are 7 quarries in cluster, out of which EC has been granted by DEIAA to 2 quarries. Clarification how DEIAA has granted EC to 2 quarries when total cluster area was more than 5 ha. Further, proper justification/Clarification through a write-up from district authority that why it should not be considered as violation.	<p>The Compliance report from the district authority is attached herewith, as Annexure – I.</p> <p>On verification of the records, it is found that 7 (seven) no. of sairat proposals were submitted separately by the Tahasildar, Kukudakhandi for grant of Environmental Clearance in respect of Mohuda and Kusumi Quarries. All the proposals were supported by the documents such as, Mining Plan approval, Check list, form Im etc.</p> <p>Out of 7 (seven) no. of proposals, 4 (Four) no. of proposals i.e. (1 Kusumi-I) Stone Quarry (2) Mohuda Stone Quarry (3) Kusumi -II Stone quarry (4) Mohuda Stone Quarry – I were approved in DEIAA meeting held on 29.06.2016.</p> <p>1 (one) no. of Proposal i.e. Mohuda Road Metal Quarry was approved in DEIAA meeting held on Dated 06.12.2016.</p>	-





		All the above proposals were applied by different proponents individually (not in cluster) along with a certificate issued by the Tahasildar, Kukudakhandi in the Check List. Remaining, 2(two) no. of Proposals i.e. (1) Kusumi Stone Quarry (2) Kusumi Stone quarry-1 were applied in a Cluster Proposal by Tahasildar, Kukudakhandi with two different plot nos. Such as Plot No. 147/1 and Plot No. 147. The area of Plot No. 147/1 is 2.294 Hectors and Plot No. 147 is 2.472 Hectors with a total area applied is 4.776 Hectors (within 5 Hectors). Basing on this, the Cluster Proposal was approved for granting of EC by DEIAA on 01.05.2017.	
b)	Copies of Environmental Clearance of 2 quarries granted by DEIAA.	DEIAA granted only one Stone quarry vide letter no. 1732 Dated 21.12.2016, the other has been granted by SEIAA Dated 10.08.2021 attached as Annexure – II.	The other quarry which had been granted by SEIAA Dated 10.08.2021 is not attached as Annexure – II of the Compliance report.
c)	Mitigation plan for flying rocks during blasting in cluster.	Attached as Annexure – III.	complied
d)	Layout plan of garland drain and settling pond and silt management.	Attached as Annexure – IV.	complied
e)	Details of nearby structures in tabulated form.	Attached as Annexure – V.	complied
f)	Mohuda Solid Waste Management Plant of Berhampur Municipal Corporation is located around 170 meter away from the quarries. Permission from Berhampur Municipal Corporation for operation of stone quarries near to Mohuda Solid Waste Management	Copy of NOC from Berhampur Municipal Corporation is attached as Annexure – VI.	Copy of NOC from Berhampur Municipal Corporation is attached as Annexure – VI has been submitted with specific conditions.
xiii)	The SEAC in its meeting held on dated <b>12.07.2023</b> , decided to take decision on the proposal after receipt of the following information / documents from the proponent followed by a site visit by the Sub-Committee of SEAC.		
	a) As stated by PP, copy of Environment Clearance letter of the other quarry which had been granted by SEIAA, dated 10.08.2021.		
xiv)	The proposed site was visited by the sub-committee of SEAC on 10.07.2023. Following are the observations of the sub-committee:		
	a) The lease area is located in the deep remote area with no habitation except some institutions/ infrastructure as listed below which fall within 1 Km radius.		





**Minutes of 138<sup>th</sup> Meeting of SEIAA, Odisha Held on 10.10.2023 & 12.10.2023**

- a) BeMC Solid Waste Management Plant
  - b) Bhairabi High School
  - c) Gram Bikash, Mohuda
  - d) Supriya Memorial SX Public School
- b) There are seven mines in this cluster. Out of which two are in operational at present as approved by DEIAA. The rest five are not operated at present as noticed during field visit. One of the lessee named Swapna Behera has a crusher unit adjacent to Kusumi Stone quarry bearing Khata No 325, Plot No 147 and Plot No 166.
- c) There is no mining activity carried out in the lease areas applied for EC.
- d) There is road connectivity separately for each mine which falls within the lease area itself.
- e) Common Solid Waste Management Plant of BeMC has been established during the year 2021. Since then, no mining activities have been carried out in the lease area. So, it is pre-mature to say about the impact. However, the Commissioner, BeMC has issued NOC regarding operation of stone quarries near Mohuda Solid Waste Management Plant with certain conditions while operating the mines vide his Letter Dated 12.06.2023.

xv) The proponent has furnished the compliance and the SEAC verified the same as follows:

Sl No.	Information Sought by SEAC	Compliance furnished by the proponent
i)	As stated by PP, copy of Environment Clearance letter of the other quarry which had been granted by SEIAA, dated 10.08.2021.	Copy of the EC granted by SEIAA vide Letter No. 2164/SEIAA Dated 10.08.2021 in respect of Mahuda Stone Quarry is attached as <b>Annexure - I</b> .

xvi) Considering the information / documents furnished by the proponent and presentation made by the consultant **M/s P & M Solution, C-88, Sector 65, Noida** on behalf of the proponent, the SEAC approved the EIA/EMP report in cluster approach and recommended the following:

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

2. **Whether SEAC recommended the proposal** – The proposal was placed in the SEAC meeting held on 17.08.2021 and the SEAC recommended cluster EIA & EMP proposal with opinion that the PP ask to submit individual EC application again.
3. The SEIAA, Odisha may consider to grant Environmental Clearance to individual lease for Kusumi & Mohuda stone quarries cluster without referring to SEAC with specific conditions as per **Annexure - A** after receipt of individual applications from the lessee in cluster along with following documents.
4. Filled in form-I of individual lease
5. Prefeasibility report of individual lease
6. EMP of individual lease.
7. Approved Mining Plan of individual lease.
8. Report on vibration study.
9. D.I.C status of the lease area from concerned D/O as certified by the concerned Tahasildar.
10. An Undertaking by the lessee not to use wagon drilling blasting to be submitted. Accordingly, specific condition to be stipulated in EC of individual lease.
11. No storage and usage of blasting materials/explosives inside the lease area without license/permission/authorization from competent Authority as per Indian Explosives Rules, 1983 shall be ensured by the lessee. An undertaking to this effect shall be submitted by the lessee. Accordingly, specific condition to be stipulated in EC of individual lease.
12. An undertaking to obtain NOC from CGWA and permission from WR department, Govt. Of Odisha for use of ground water. Accordingly, specific condition to be stipulated in EC of individual lease.
13. Specific condition to be stipulated in EC of individual lease that "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".

14. The project proponent shall undertake re-grassing of the area or any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for fodder, flora, fauna etc. after ceasing mining operation that is at the time of mine closure. Accordingly, specific condition to be stipulated in EC of individual lease.
15. Following specific conditions to be stipulated in EC of individual lease for operation of stone quarries near SWM project at Mohuda as suggested by Commissioner, Berhampur Municipal Corporation in its NoC issued vide letter no. 8247, dated 12.06.2023.
16. Necessary Precautionary measure shall be taken to avoid any dangerous inside the Solid Waste Management Plant, during the blasting time (prevent dangerous situation from flying rocks during blasting time) and liquid blasting shall be done.
17. Steps shall also be taken to avoid/ restrict the flying of crusher dust and deposit of the same within the Solid Waste Management Plant.
18. Green corridor should be ensured between SWM plant and Quarry site.
19. Life and safety of workers deployed in SWM plant and property shall be ensured at all times. If any hazardous situation occurs due to operation of Stone quarries, the lease will bear full responsibility regarding the same and NOC shall be withdrawn.
20. Detail risk and hazard management procedure as per the **Annexure – B** shall be followed by the lessee.

The proposal was placed in the 137<sup>th</sup> meeting of SEIAA held on 26.09.2023 & 29.09.2023 and was decided as follows:

1. The Authority observed that EC has already been granted for two other quarries as individual sairat sources i.e Mohuda Stone Quarry over an area of 5.350 acres or 2.165 ha bearing Khata no. 669 Plot no. 1406 in village- Mohuda, Tahasil- Kukudakhandi, district Ganjam, State Odisha in favour of Sri Tusar Kant Dash issued by SEIAA, Odisha vide EC identification No. EC22B001OR141098 dt. 30.07.2022 and other sources Mohuda Stone Quarry over an area of 5.350 acres or 2.165 ha bearing Khata no. 669 Plot no. 1978(P) in village -Mohuda, Tahasi-l Kukudakhandi, district Ganjam, State Odisha in favour of Sri B. Balaji Reddy.
2. The EC issued vide letter no. EC22B001OR141098 dt. 30.07.2022 contained specific conditions in point no. 7.7, page no. 05 that EC is liable to be cancelled/revoked if the submission of application in cluster is found to be incorrect / false in future.
3. In view of the above the Tahasildar, Kukudakhandi to explain why the two EC issued in name of Mohuda Stone quarry vide letter no. EC22B001OR141098 dt. 30.07.2022 & 2164/SEIAA dt. 10.08.2021 shall not be cancel/revoked.

**Decision of Authority: ADS**

The Authority observed that there are 7 quarries in cluster, out of which EC has been granted by SEIAA to 2 (two) quarries based on the wrong information submitted by PP that only two out of the seven quarries are coming in the cluster. In view of this the following decisions are taken: -

- 1) The EC granted for two quarries i.e. Mohuda stone quarry of Sri Balaji Reddy vide letter no. 2164/SEIAA dt. 10.08.2021 and Mohuda stone quarry of Sri Tushar Kanta Dash vide EC Identification no. EC22B001OR141098 dt. 30.07.2022 issued by SEIAA is kept in abeyance until further orders.
- 2) Show Cause notice be issued to the RQP i.e. Sri Amresh Rath, and NABET Consultant P&M Solution, Noida for furnishing wrong information to SEIAA.





**Minutes of 138<sup>th</sup> Meeting of SEIAA, Odisha Held on 10.10.2023 & 12.10.2023**

- 3) The TOR issued earlier for 5 quarries is amended to include two more quarries i.e., Mohuda stone quarry of Sri Balaji Reddy and Mohuda stone quarry of Sri Tushar Kanta Dash.
- 4) The PP is required to revised the EIA/EMP report after conducting public hearing for the two quarries i.e., Mohuda stone quarry of Sri Balaji Reddy and Mohuda stone quarry of Sri Tushar Kanta Dash, for which EC has been issued without public hearing.

  
Member Secretary, SEIAA

APPROVED BY

  
Member, SEIAA

  
Chairman, SEIAA





**Minutes of 138<sup>th</sup> Meeting of SEIAA, Odisha Held on 10.10.2023 & 12.10.2023**

<b>AGENDA NO.138.07</b>	
Proposal No.	SIA/OR/MIN/405306/2022
Date of application	27.03.2023
File No.	405306/320-MINB1/03-2023
Project Type	Proposal for EC
Category	B1
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for grant of EC for Krushnandpur Paika Nadi Sand Sairat over an area of 12.65 acres or 5.12 hectare under Tirtol Tahasil of Jagatinghpur District
Name of the company/Organization	Sri Damodar Mohapatra S/o-Krutibasa Mohapatra At-Muguria, Po-Dharibil Ps-Kisannagar, Dist-Cuttack, Pin-754134
Location of Project	Tirtol Tahasil of Jagatinghpur District
ToR Date	17.06.2021
Name of the Consultant	M/s Kalyani Laboratories Pvt Ltd (KLPL), Bhubaneswar

1. This proposal is for Environmental Clearance of Krushnandpur Paika Nadi Sand Sairat over an area of 12.65 acres or 5.12 hectares under Tirtol Tahasil of Jagatsinghpur District of Sri Damodar Mohapatra.
2. **Category:** As per the EIA Notification 2006 and its subsequent amendment, proposed project falls in category B1 under Schedule of item 1(a)-Mining of Minerals.
3. The lease area of Paika Sand Bed over an area of 12.65 acres (5.12 ha.) is located in Village- Krushnandapur, Tahasil-Tirtol, in district Jagatsinghpur of Odisha. Sri Damodar Mohapatra is selected as successful bidder of the Sand Bed for a lease period of 5 (five) years from 2020-21 to 2024-25.
4. Letter of Intent has been issued by Tahasildar, Tirtol to Damodar Mohapatra vide letter no.472 dated 24.02.2021 for a period of five years.
5. The Mining plan has been approved for a period of five years i.e. 2020-21 to 2024-25 by The Deputy Director of Geology, Bhubaneswar. Vide letter no – 7958 DG, on dated 04.12.2020 in favour of Tahsildar, Tirtol. After approval the said lease has granted to Sri Damodar Mohapatra on 30.11.2020.
6. The District Survey Report for River Sand in respect of Jagatsinghpur district has been prepared in accordance with Appendix – x, Para – 7 (iii) (a) of S.O. No – 3611(E) dated 25.07.2018 of MoEF & CC, New Delhi and approved by Collector, Jagatsinghpur on dated 28.01.2020.
7. **TOR Details:** Terms of Reference (TOR) was granted by SEIAA, Odisha vide letter no 1503 dated 17.06.2021.
8. **Public hearing details:** The public hearing in respect of Environmental Impact Assessment for Krushnandapur Paika Nadi Sand Sairat of Sri Damodar Mohapatra over an area of 5.12Ha. under Tirtol Tahasil in Jagatsinghpur district, Odisha was conducted on 27.04.2022 at 10.30 A.M at Paikakula playground of Krushnanadpur village in Jagatsinghpur District. Issues raised during Public hearing are employment generation, development of road, provision towards repair and maintenance of village tube wells in Krushnanandapur Village, provision of assistance to Krushnanandapur Primary School, pollution control measures including operation of water sprinkling system and plantation. Total expenses to be incurred for the action plan towards public hearing issues is Rs.7 lakhs.
9. **Location and connectivity:** The said lease is located in survey of India Topo Sheet No. 73 1/7 (F45U/3), bounded by Latitude: 21°21'49.70" to 21°21'57.00" N, Longitude: 86°15'24.10" to 86°15'34.70" E bearing Khata no 1743 and plot no 72/4147. The area over 5.12 ha is a non-forest Govt.





**Minutes of 138<sup>th</sup> Meeting of SEIAA, Odisha Held on 10.10.2023 & 12.10.2023**

land of Nadi kissam, having ground elevation of 29 mRL. Lease area is accessible from Krushnandapur village at 0.50 km, which is well connected to Main roads and Highways. The nearest major railway station is Jhankadsarala Road at distance 6km from the lease area. Nearest National Highway is NH – 16 at a distance of 47 Km. Nearest road bridge and river embankment is 600 m and 450 m respectively.

10. There are no National parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Tiger/Elephant reserves (existing as well as proposed) present within 10 km of the applied mine lease area.
11. Topography and drainage: The sand bed is on the River Mahanadi. The Krushnandpur Paika Nadi Sand Sairat deposit represents a gently sloping to almost flat terrain with highest altitude of 29 mRL. The general slope is towards east. Vegetation is scanty with small bushes existing in the auction hold area. There is no human settlement within the area. The drainage of the district is mainly controlled by rivers like Mahanadi, Devi, Biluakhai & Paika. During rainy season the river water carries sand which is formed due to disintegration of rock bodies along with other suspensions. After recession of the water flow the sand gets deposited in the locations where there is less energy. The river Mahanadi flowing from west to east and forming the northern boundary of the district forms the main drainage system in the district. Besides the river Devi, a tributary to Kathajori and flowing north-northwest to south-southeast with a meandering course also forms a drainage system in the district.
12. **Baseline study:** The baseline information on micro-meteorological data, ambient air quality, water quality, noise levels and soil quality have been generated for the period of October to December 2021.

PERIOD	October to December 2021	Applicable Standards
AAQ PARAMETERS AT 7 LOCATIONS	PM2.5 – 18.9 to 33.6 µg/cu.m	60 µg/cu.m
	PM10 – 37.8 to 67.3 µg/cu.m	100 µg/cu.m
	SO <sub>2</sub> – 5.7 to 10.8 µg/cu.m	80 µg/cu.m
	NO <sub>x</sub> – 11.8 to 26.3 µg/cu.m	80 µg/cu.m
Ground water Quality at 6 Location	pH – 6.8 to 7.5	6.5 to 8.5
	Total Hardness – 80 to 92 mg/l	600 mg/l
	Chloride - 6 to 12 mg/l	250 mg/l
	Fluorides – 0.18 to 0.20 mg/l	1.5 mg/l
	TDS – 160 to 190 mg/l	1000 mg/l
	Heavy metals (Cd <0.001, As <0.01, Hg<0.0001) mg/l	Heavy metals (Cd <0.003, As <0.01, Hg<0.001) mg/l
Surface water at 4 locations	pH – 7.1 to 7.4	
	Dissolved Oxygen – 5.9 to 6.5 mg/l	
	Biochemical Oxygen Demand – 1.5 to 2.8 mg/l	
	Chemical Oxygen demand – 8 to 20 mg/l	
Noise at 7 locations	Day (dBA Leq) 42.3 to 52.3	55
	Night (dBA Leq) - 29.8 to 43.1	45
Soil Quality at 4 locations	pH – 6.95 to 7.3, Potassium – 64.5 to 94.1 Kg/ Ha, Phosphorous – 50 to 60.9 mg/ kg, Organic	





**Minutes of 138<sup>th</sup> Meeting of SEIAA, Odisha Held on 10.10.2023 & 12.10.2023**

Carbon % - 0.28 to 0.39, Electrical Conductivity- 55 to 75 ms/Cm

13. **Replenishment study:** Replenishment study for pre & post monsoon period on December '2020 and May' 2021 using volumetric method as per Enforcement and Monitoring Guidelines for Sand Mining, 2020). The Geological Reserve of the Area is 43552 cum and Mineable Reserve of the Area is 33420 cum. Annual Production as per Mining Plan is 15360 cum. Sections considered is 10m x 10m (3 nos CS and 1 no LS). Elevation in Pre monsoon is 16mRL and Elevation in Post monsoon is 17mRL. Annual rate of Replenishment - **32760cum**.
14. **Total production and reserves:** The lessee is going to work within the said area for 5 year from 2020-21 to 2024-25 with a maximum production of 15,360 cum per annum with a total production of 76,800 cum during plan period. As estimated, the geological reserve is 43,552 cum and Mineable Reserve is 33,420 cum.
15. **Mining method:** The method of excavation of sand from Krushnandapur Sand quarry will be manual open cast mining. The mode of the deposits, geomorphology of the area and its hydrological condition are some of the factors that favour the open cast method of mining. In this deposit, the mining is done by dry-pit method i.e., Sand will be excavated within the active channel on dry intermittent or ephemeral stream beds. The excavator is used for removal of sand from the pits. The sands are extracted, loaded, and transferred from pits to the users through trucks and tractors.
16. **Water requirement:** Total water requirement will be approx. 5 KLD for different purposes like domestic, dust suppression, plantation purposes. The water will be sourced by the lessee by tanker.
17. **Traffic study:** The V/C ratio on the Paika road connecting the Syphone Bridge which is connect to Tarapur Road is 0.240. However, with the commencement of mining activity maximum 8 no. of trucks/tractor will carry sand from the lease area and 4 cycles for transportation of employees which will have additional PCU load of 11.4 per hour. So, with the additional PCU load due to mining operation the V/C ratio will remain as 0.249 with LoS B.
18. **Greenbelt:** It is proposed for planting 250 saplings of suitable species per annum by the lessee in vicinity of the riverbank as avenue plantation which will be undertaken in consultation with the concerned authority. There is the proposal for development of green belt towards both sides of the riverbank. The riverbank plantation will be carried out in the 1st year of mining operation.
19. **Manpower requirement:** 25 Nos. (Out of which 2 nos. are skilled, 4 nos. are semi-skilled and 15 nos are unskilled) of persons are required as manpower for the proposed project.
20. **Project cost:** Estimated cost of the project is 80 lakhs. Budget for EMP cost is 3 lakhs.
21. **Environment Consultant:** The Environment consultant M/s Kalyani Laboratories Pvt Ltd (KLPL), Bhubaneswar along with the proponent made a presentation on the proposal before the Committee on dtd. 24.04.2023.
22. The SEAC in its meeting held on dated **24.04.2023** decided to take the decision on the proposal after receipt of the following from the proponent. The proponent has furnished the compliance and the SEAC verified the same as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of SEAC
a)	How it has been concluded that the depth of sand deposit is 1 meter?	Depth of sand deposit has been taken 1m from the water course within the lease area was concluded from Replenishment study Report.	-
b)	Exact length of the bridge.	Exact length of the bridge is 610 m from the lease area which is situated up stream side of the bridge.	-





**Minutes of 138<sup>th</sup> Meeting of SEIAA, Odisha Held on 10.10.2023 & 12.10.2023**

Revised Replenishment Study Report using Drone method covering details of RI., cross sections taken, grid position etc.	Revised Replenishment study Report using Drone method for post monsoon is submitted herewith for your kind consideration.	The PP has stated in Replenishment Study Report that the quarry is not operational till now due to non grant of Environmental Clearance, hence it is studied that 21,120 m <sup>3</sup> extractable mineable reserve is available and has been calculated by considering 60% of mineable reserve as per the MOEF notification dated 25.07.2018, from the annual replenishment during the year 2022-23 and is sufficient for the production capacity of 15,360 m <sup>3</sup> / annum
---	---	--

- 2. Whether SEAC recommended the proposal** – The proposal was placed in the SEAC meeting held on 12.07.2023 and The SEAC observed the following: -
- a) Replenishment study Report is not satisfactory. For Pre-Monsoon and Post Monsoon study different methods (Volumetric and drone respectively) are used which are not comparable. Actual replenished volume is also not calculated.
  - b) In Replenishment study Report for pre & post monsoon period on December 2020 and May'2021" was carried out but the both the time periods as mentioned come under post-monsoon category.

After detailed discussion, the SEAC decided that PP shall submit revised replenishment study to consider the proposal.

The proposal was placed in the 133<sup>rd</sup> meeting of SEIAA held on 22.08.2023 & 24.08.2023 and the Authority perused the recommendation of SEAC & its decision taken in the 132<sup>nd</sup> meeting. After detailed deliberation in the matter, the Authority decided that the PP is required to submit the revised replenishment study report through ORSAC empanelled agency to consider the proposal.

Now the PP has submitted the necessary clarification for consideration.

**Decision of Authority: Referred back to SEAC**

After detailed deliberation in the matter, the Authority decided to refer back the proposal to SEAC with a request to examine the revised replenishment study report submitted now by the PP and their considered view for issue of EC.

Member Secretary, SEIAA

APPROVED BY

Member, SEIAA

Chairman, SEIAA



AGENDA No.138.08	
Proposal No.	SIA/OR/INFRA2/441322/2023
Date of application	09.09.2023
File No.	441322/121-INFRA2/09-2023
Project Type	Proposal for fresh EC
Category	B
Project/Activity including Schedule No.	8(a) Building and Construction projects
Name of the Project	Proposal for grant of EC for Building and Construction project of Diamond City Cuttack" Residential Apartment along with Commercial Building Project Located at Plot No2340, 2340/3563, 2343, 2333/5410, 2343/5411, 2344, 2334/6142, 2346/5962, 2347, 2347/5956, 2348, 2248/5496, 2248/5497 over built-up area of 54514.323 sqm located in the Village: Pratapnagari, Nuagada, District: Cuttack of M/s. Eastern Estate Construction and Developers Pvt. Ltd of Sri Sanjeev Kumar
Name of the company/Organization	Sri Sanjeev Kumar (Director) M/s Eastern Estates Construction and Developers Pvt Ltd
Location of Project	Village-Barapada, P.O. Garudagaon Tangi, District -Cuttack, Odisha.
ToR Date	
Name of the Consultant	M/s. OCEAO-ENVIRO Management Solutions (India) Pvt. Ltd

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

1. The proposal is for "Diamond City Cuttack" Residential Apartment along with Commercial Building Project Located at Plot No2340, 2340/3563, 2343, 2333/5410, 2343/5411, 2344, 2334/6142, 2346/5962, 2347, 2347/5956, 2348, 2248/5496, 2248/5497 over built-up area of 54514.323 sqm located in the Village: Pratapnagari, Nuagada, District: Cuttack of M/s. Eastern Estate Construction and Developers Pvt. Ltd of Sri Sanjeev Kumar.
2. The project falls under category "B" or activity 8 (a) - Building & Construction projects under EIA Notification dated 14th September 2006 as amended from time to time.
3. M/s Eastern Estate Construction & Developers Pvt. Ltd. for Residential Project "Diamond City, Cuttack" on plot area 10,039.85 m<sup>2</sup> /2.48 acres located at Village: Pratapnagari, Nuagada, District: Cuttack, Odisha and total built up area – 54,513.32 m<sup>2</sup>. A part of project was approved for the built-up area i.e. 16,161.56 sq.m vide letter PLN-BDP-420/15 and construction was started based on that, which was less than 20,000 sq.m. Now the planning has been revised and the estimated Built-up area is 54,513.32 sq.m (including all FAR, Non-FAR and other services), which is more than 20,000 sq.m area which attracts the EIA notification 2006 and its amendments thereof.
4. **Location and Connectivity** – The proposed site is located at Village: Pratapnagari, Nuagada, District: Cuttack, Odisha. The Geographical co-ordinate of the project site are Latitude: 20°23'31.26"N & Longitude: 85°53'9.06"E. The site is very near to NH 45 (NH 16 Bhubaneswar Road) is approx. 0.06 m in SW direction, Ring Road is approx. 1.92 km in ENE direction. The nearest railway station is New Bhubaneswar Railway Station approx. 5.337 km in West direction from the project site. Biju Patnaik



**Minutes of 138<sup>th</sup> Meeting of SEIAA, Odisha Held on 10.10.2023 & 12.10.2023**

International Airport is at a distance of approx. 17.284 km in SW direction from the project site. Ch.anka-Dampara Wild Life Sanctuary is about 6.9 km in NW direction. Nandankanan Wild Life Sanctuary is about 5.9 km in W direction.

5. The site is coming under Cuttack Municipal Corporation.
6. The plot area of the project site is 10039.85 m<sup>2</sup> (2.48 acres) and estimated built-up area of the project is 54514.323 m<sup>2</sup>. Total population of project is 2,425 persons (including Residents + Staff + Visitors).
7. The project facilities will develop 388 Dwelling Units which includes three blocks (2B+S+12), one block (B+S+8), Commercial (S+5) & Club House (2B+2) & other services and amenities.
8. The building details of the Project:

S. No.	Particulars	Details
i)	Total Plot Area (Acres)	2.48
ii)	Total Plot Area (Sq.m)	10039.85
iii)	Total FAR Area (Including Services)	40346.04
iv)	Achieved FAR	4.0
v)	Ground Coverage (Permissible) 40% (sq.m)	4015.94
vi)	Achieved Coverage (Permissible) 38.50% (sq.m)	3865.34
vii)	Non Far (Combined Stilt and Basement built-up area )	12168.261
viii)	Miscellaneous Area (Guard Room, STP, UGT etc.)	2000
ix)	<b>Total Built-up Area (3+8+9)</b>	<b>54514.323</b>
x)	Green belt Area (sqm) (25% of total plot area) – Revised in ADS	2514.85 Sq.m (25% of Total Plot Area)
xi)	Paved Open Green & Avenue Green area (sq.m) (13% of total plot area)	1305.18
xii)	Road and Open Area	1857.38
xiii)	No. of DU	388.0
xiv)	Total Project Cost (Land + Development Cost)	75 Crores
xv)	No. of DG sets for Backup (KVA)	1x62.5+2x400
xvi)	Total Power Requirement KVA	2300.0
xvii)	Maximum Height of Building (m)	46

9. **Water Requirement** – The total water requirement will be 280 KLD. The fresh water requirement will be approx. 180.5 KLD, which will be provided by Bhubaneswar Municipal Corporation. The project will generate approx. 235 KLD of wastewater. The wastewater will be treated in onsite STP of 280 KLD capacity. Treated wastewater will be re-used for flushing, landscaping, floor & car washing. Surplus treated effluent will be discharged to external sewer with permission i.e.11.5 KLD in non monsoon period.
10. **Total no. of Rainwater Harvesting pits** – 10 nos. for the project.
11. **Power Requirement** - The total power requirement for the Residential Project is 2300 kVA. The Source of Power supply will be from (Odisha State Electricity Board). There will be provision of 3 no. of DG sets of total capacity 862.5 KVA (1x62.5+ 2x400 KVA each) for power back up. The DG sets will be equipped with acoustic enclosure to minimize noise generation and adequate stack height for proper dispersion. Provision of solar power for the project are Solar water heater (167.18kVA – 7.2% of total power consumption) and solar street lights (34.5 kVA – 1.5% of total power consumption).
12. **Solid waste Management** - The solid waste generated from the project shall be approx. 591 kg per day. The solid waste will be collected then segregated at source. Adequate number of coloured bins (green, blue & dark grey) separate for biodegradable and non - biodegradable are proposed to be provided at the strategic locations within the site. STP



**Minutes of 138<sup>th</sup> Meeting of SEIAA, Odisha Held on 10.10.2023 & 12.10.2023**



Sludge is proposed to be used for horticultural purpose as manure. Landscaping waste/ Biodegradable waste will be composted by Organic Waste Converter 100 sq.m area has been proposed for OWC. Spent oil from DG sets will be sold to CPCB authorised recyclers.

S. No.	Category	Kg per capita per day	Waste generated (kg/day)
i)	Residents	1940 @ 0.5 kg/day	970
ii)	Staff	107 @ 0.25 kg /day	26.75
iii)	Visitor	281 @ 0.15 kg /day	42.6
iv)	Landscape waste	0.8184 @ 0.2 kg/acres	0.16
<b>Total Solid Waste Generated</b>			<b>1039.35 kg/day</b>

Note: Sludge from STP: 14.68 Kg/day, which will be dried and used as Manure in landscaping.

(Sludge Calculations = (Inlet BOD- Outlet BOD) x WW x 0.25

(= (280 - 30) x 235 x 0.25 = 14.68 Kg/day)

13. **Green Belt – As per ADS submitted, revised Total Greenbelt Area = 2014.00 Sq.m (Greenbelt) + 500.85 Sq.m (Avenue Plantation) = 2514.85 Sq.m (25% of Total Plot Area).**
14. Total Green area including paved green / open area measures 3312 m<sup>2</sup> i.e. 33 % of the total area. In which peripheral green belt including external and internal periphery area is 2007.97 (20 % total area), Open Paved Green, Terrace Green and Vertical green area is 1003.985 (10 % total area) and Lawn Green Area 301.19 (3% of total area). Total no. of trees proposed = 132 Nos.
15. **Parking Details – Revised parking area** is submitted in ADS i.e. 13109sq.mt. and ECS - 396, 2W - 156, Bicycle-120. Total Parking Area Provided - 10694.10 Sq. Mt / 334 ECS.
16. **Rain Water harvested** through 10 nos. of Rain Water recharging pits.
17. **Fire fighting Installations:** Fire fighting system will be installed as per recommendations of the Fire fighting Officer, Odisha and as per the provisions given in Part-IV of National Building Code of India -2016 and relevant BIS specifications.
18. The project cost is 75 crores and Environmental Monitoring Programme Cost – 241 lakhs, which is approx. 3 % of total project cost.
19. The project proponent along with the consultant **M/s OCEAO-ENVIRO Management Solutions (India) Pvt. Ltd., Ghaziabad, U.P - 201012** made a detailed presentation on the proposal on 03.08.2022. The SEAC decided to take decision on the proposal after receipt of certain information / documents from the proponent followed by site visit of Sub-Committee of SEAC. The proponent has furnished the compliance and the SEAC verified the same as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
i)	Structural Stability certificate from appropriate authority as per CDA guidelines be submitted and vetted from reputed institute with reference to approved original plan and the revised plan approved.	Structural drawings are being vetted by BIT Engineering College, Sindri, and Government of Jharkhand as per CDA guidelines. The final drawings are under process and will submit in the due course of time. Affidavit regarding the same is attached with the reply. PO and Receipt is attached as an <b>Annexure (a)</b> .
ii)	Separate two entry and exit gates to be made for residents and commercial.	Commercial area is planned for the person is adding inside the residential project. Although for access control, separate entry/exit gates for commercial with boom barriers are provided. Parking plan with marking of separate entry and exit gates for residents and commercials is attached as <b>Annexure (b)</b> .





**Minutes of 138<sup>th</sup> Meeting of SEIAA, Odisha Held on 10.10.2023 & 12.10.2023**

	Certificate from Chartered Civil Engineer how much construction has been made. Construction status with reference to original plan and revised plan.	Civil Engineer certificate is attached as an <b>Annexure C</b> .
(iv)	Comparative statement in terms of physical features in original plan and present plan.	Comparative area statement in terms of all the salient features is attached as <b>Annexure (d)</b> .
v)	Parking in terms of space and ECS for 4 wheelers, 2 wheelers including bicycles be calculated separately for dwellers & visitors (floating population) and also for commercial complex the norm as well and showing it in the layout map & be submitted since provision of 356 ECS against 388 dwelling units proposed.	Detailed parking calculation and parking plan is attached as <b>Annexure (e)</b> .
vi)	Detailed calculation of Rain Water Harvesting and Layout showing Rainwater Harvesting pits.	Detailed Rain water harvesting calculations and RWII plan is attached as <b>Annexure (f)</b> .
vii)	Layout map showing the treated water fallout to nearest drain and it's distance.	The Distance from our project site to nearest public drain is 30m which falls in the service road of NH-16 on our own cost shall be developed by PP. Drainage Map showing terminal discharge is attached as <b>Annexure (g)</b> .
viii)	Layout of internal drainage map and their fallout to external public drain.	Map showing internal drainage and their fallout to external public drain is located at ROW of service road of NH-16 is attached as <b>Annexure (g)</b> .
ix)	Copy of permission of the concerned authority of the drain / sewer to discharge the treated water from project to the nearby drain.	NOC from CDA regarding the discharge of the treated water is attached as <b>Annexure (h)</b> .
x)	Reduce discharge of treated water to drain.	Revised water balance diagram is attached as <b>Annexure (i)</b> .
xi)	A detailed write up with justification as to why this case will not be treated as violation case.	Justification for being non violation case is attached as <b>Annexure (j)</b> .
xii)	Traffic study be undertaken at intersecting points with NH from a reputed Institute or vetted by a reputed Institute be submitted.	Traffic study duly vetted by School of Civil Engineering, KIIT Deemed to be University, Bhubaneswar is attached as an <b>Annexure (k)</b> .
xiii)	Impact/ effect of change in ground coverage due to revised plan and to be shown in the layout drawing with dimension.	Comparing Area Statement comparing the ground coverage is attached as <b>Annexure (l)</b> . According to Old Drawing, Ground coverage is 35% out of 40% of the Total Plot area. There is no significant change in the ground coverage.
xiv)	A comparative statement of original plan vis- a - vis the revised plan with	Comparative area statement attached as



**Minutes of 138<sup>th</sup> Meeting of SEIAA, Odisha Held on 10.10.2023 & 12.10.2023**

	Super imposition of the revised one on the original one be submitted.	annexure (d) and Superimposed plan is attached as <b>Annexure (m)</b> .
	Quality of underground water	Test report is attached as <b>Annexure (n)</b> .
xvi)	To explore whether Puri canal be source of domestic water since it is at 340 mtrs with provision of WIP.	There is no provision of supply from the Puri canal supply. Henceforth, we have applied to CGWA for fresh water supply dated on 10.11.2021 till the Cuttack municipal Corporation does not start. Application of the same is attached as <b>Annexure (o)</b> .
xvii)	The PP to submit sabik RoR with kissam, Hal RoR with kissam for the project area to rule out the investment of Forest/DLC land.	Gharbari documents are attached as <b>Annexure (p)</b> .
xviii)	To submit the Fire Safety recommendation of the State Government Fire wing.	Fire recommendation is attached as <b>Annexure (q)</b> .
xix)	To submit the plan for Ventilation, lightning and air conditioning of lift from lowest basement floor to terrace floor.	Ventilation, lightning and air conditioning plan for lift from lowest basement floor to terrace floor is attached as an <b>Annexure (r)</b> .
xx)	Provision of solar power for the project.	Solar water heater (167.18kVA – 7.2%) and solar street lights (34.5 kVA – 1.5%) are proposed all over the project. Calculated Quantum of the project is attached as <b>Annexure (s)</b> .

20. The proposed site was visited by the sub-committee of SEAC on 14.11.2022. Following are the observations of the sub-committee and proponent needs to submit relevant documents as below:
- i. Structural Stability certificate vetted from reputed institute.
  - ii. Separate two entry and exit for four wheelers, 2 wheelers including bicycles for dwellers & visitors and also for commercial complex.
  - iii. Detailed calculation of Rain Water Harvesting and layout showing Rainwater Harvesting pits.
  - iv. Separate Parking for residents, guests and commercial
  - v. Lay out map for entire drainage system for planned four blocks including commercial unit
  - vi. Copy of permission of the concerned authority of the drain / sewer to discharge the treated water from project to the nearby drain.
  - vii. Traffic study be undertaken at intersecting points with NH from a reputed Institute or vetted by a reputed Institute be submitted.
  - viii. Fire fighting plan to be submitted along with fire safety recommendation.
  - ix. Details of solar power calculation, generation and use in % of total power.
  - x. Permission for drawing ground water from concerned authorities.
  - xi. Location, Source and utilisation/ disposal of STP effluents.
  - xii. Details of solar power calculation, generation and use in % of total power
  - xiii. Details of Land documents, Kissam, conversion, etc., if any.
  - xiv. Stack height vs building height may be furnished.
  - xv. Layout for green belt.
21. The proponent has already submitted most of the information and documents as desired by the sub-committee of SEAC. However, they need to submit the following information as desired by the sub-committee of SEAC.
- a) Separate Parking for residents, guests and commercial
  - b) Permission for drawing ground water from concerned authorities.





## Minutes of 138<sup>th</sup> Meeting of SEIAA, Odisha Held on 10.10.2023 & 12.10.2023

- o) Stack height of DG Set vs building height may be furnished.
- o) Layout for green belt.

22. The Committee opined the following:

- i) The proponent has clarified that a part of project was approved for the built-up area i.e. **16,161.56 sq.m** vide letter PL.N-BDP-420/15 and construction was started based on that, which was less than 20,000 sq.m. The current construction is 1673.84 sq.m till date which is based upon old drawing and does not exceed the permissible limit approved. Now the building plan has been revised and approved by CMC vide letter no.1130 (PL.G)BP/CMC dated 13.06.2022 over plot area 2.48 acre with the estimated built-up area 54,513.32 sq.m (including all FAR, Non-FAR and other services), which is more than 20,000 sq.m area which attracts the EIA notification 2006 and its amendments thereof. The project proponent claims that it will not be treated as a violation case as they have started constructed activity for the project having built-up area less than 20,000 m<sup>2</sup> as per the building plan approved for built-up area of 16,161.56 sq.m. However, they have not submitted copy of building plan approval letter for built-up area of 16,161.56 sq.m. Moreover, justification given by the proponent is silent about whether the proposed project of built-up area 54,513.32 sq.m will be constructed over the foundation made by the project for the built-up area of 16,161.56 sq.m. If, this will be the fact, than the project proponent had taken building plan approval for built-up area less than 20,000 m<sup>2</sup> just to avoid Environmental Clearance when the actual built-up area 20,000 m<sup>2</sup>. Hence, the project proponent needs to submit certificate from the CDA that the proposed project of built-up area 54,513.32 sq.m will not be constructed over the foundation made by the project for the built-up area of 16,161.56 sq.m and this will be separate project within the same premises.

23. The SEAC in its meeting dated 13.01.2023 decided to take decision on the proposal after receipt of following information / documents from the proponent. The proponent has furnished the compliance and the SEAC verified the same as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of SEAC
1.	Separate Parking for residents, guests and commercial	Parking breakup with its drawings are attached as an <b>Annexure I</b> .	Parking plan along with Parking area calculation is attached as Annexure-I
2.	Permission for drawing ground water from concerned authorities.	Permission for drawing ground water from CGWA has already been applied and it is in advanced stage under process which is likely to be obtained within 10-15 days. Also, we had submitted the ground water abstraction charges for withdrawing the ground water to CGWA, details of abstraction charges is attached as an <b>Annexure II</b> .	Application for Issue of NOC to Abstract Ground Water (NOCAP) is in process and details of abstraction charges is attached.
3.	Stack height of DG Set vs building height may be furnished.	Stack height if DG Set will be 6 m above the tallest building Total height of the stack = Height of the building up to terrace level of the	Complied.