

**PROCEEDINGS OF THE MEETING OF STATE LEVEL EXPERT APPRAISAL  
COMMITTEE, ODISHA HELD ON 3<sup>RD</sup> FEBRUARY, 2024.**

The SEAC met on 3<sup>rd</sup> February, 2024 at 10:30 AM in the Conference Hall of Odisha State Pollution Control Board, Bhubaneswar under the Chairmanship (Working) of Sri Prof. (Dr.) B.K. Satpathy. The following members were present in the meeting.

- |                              |   |                     |
|------------------------------|---|---------------------|
| 1. Prof. (Dr.) B.K. Satpathy | - | Chairman (Working)  |
| 2. Dr. K. Murugesan          | - | Member Secretary    |
| 3. Dr. Rabi Narayan Patra    | - | Member(through VC)  |
| 4. Prof. (Dr.) H.B. Sahu     | - | Member (through VC) |
| 5. Prof. (Dr.) Abanti Sahoo  | - | Member (through VC) |
| 6. Er. Fakir Mohan Panigrahi | - | Member (through VC) |
| 7. Er. Kumuda Ranjan Acharya | - | Member              |
| 8. Shri Jayant Kumar Das     | - | Member              |
| 9. Dr. Ashok Kumar Sahu      | - | Member              |
| 10. Dr. K. C. S Panigrahi    | - | Member (through VC) |

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

**ITEM NO. 01**

**PROPOSAL FOR ENVIRONMENTAL CLEARANCE OF M/S KORP RESOURCES PRIVATE LIMITED FOR PROPOSED EXPANSION OF TANTRA IRON ORE MINE (ML AREA: 72.560 HA.) FOR ENHANCEMENT OF IRON ORE PRODUCTION FROM 0.12 MTPA TO 0.24 MTPA ALONG WITH ESTABLISHMENT OF 1.0 MTPA THROUGHPUT BENEFICIATION PLANT AT VILLAGE - TANTRA & TENSA, BLOCK- KOIRA, DISTRICT –SUNDARGARH, STATE- ODISHA. - EC.**

1. This proposal is for Environmental Clearance of M/s. Korp Resources Private Limited for Tantra Iron Ore Mine (ML Area: 72.560 ha) for enhancement of Iron Ore production from 0.12 MTPA to 0.24 MTPA along with establishment of 1.0 MTPA throughput Beneficiation Plant at village - Tantra & Tensa, Block- Koira, District –Sundargarh, State- Odisha.
2. **Category:** This project falls under Category "B" under Schedule 1(a): Mining of Minerals as per EIA Notification dated 14th Sept, 2006 and its amendments.

**Chronological Events for the proposal as per the submission of PP**

3. Mining Lease of Tantra Iron Ore Mine was granted in favor of M/s Korp Resources up to 21.11.2035 and EC granted on 04.06.2009 for the production of 0.12 MTPA Iron Ore.
4. Korp submitted proposal for enhancement of Tantra Iron Ore Mining project from 0.12 million ton to 0.24 million ton (800 TPD or 240000 TPA) and installation of 1 MTPA beneficiation plant on 30.06.2010. TOR issued by MoEF to Korp. Vide letter no 11015/236/2010-IA.II(M) on 25.10.2010.
5. TOR issued by MoEF to Korp. Vide letter no 11015/236/2010-IA.II(M) on 25.10.2010.

Proceedings of the SEAC meeting held on 03.02.2024

6. **Public hearing conducted by OSPCB on 12.10.2012.**
7. During 17<sup>th</sup> EAC meeting, the matter of grant of EC was discussed on 25.02.2014.
8. Minutes of 17<sup>th</sup> EAC meeting was released in which MoEF gave following two supplementary conditions on 15.04.2014.
  - Certified compliance report of RO shall be submitted.
  - A detailed study of Traffic density and road shall be submitted.
  - Compliance on the same is submitted on 31.07.14
9. As per direction of Govt. NEERI took up the traffic survey work in Odisha and the study continued from 2014 to 2017. During this period no project located in Joda, Koida, Barbil region was appraised for EC from MoEF on 29.10.2014.
10. Ultimately KRPL had to file a case in HC Odisha seeking an order for EC. And notice was given on 17.10.17 by HC for clearing the project within 6 months.
11. As no action was taken by MoEF, KRPL made appeal to HC and HC Odisha made 2nd notice to MoEF on for clearing the project within 6 months on 18.04.2018.
12. MoEF issued letter to KORP in response to court order and asked KORP to appear in 33rd meeting of EAC with further clarifications on 25.04.2018. Second list of documents and details requested by MoEF on 13.06.2018. EAC deferred the proposal requesting re-application by an accredited consultant on 22.06.2018. 3rd letter issued by MoEF requesting information and clarifications on 05.07.2018.
13. Now, the details have been collected and application was discussed with MoEF&CC. As the earlier application was made in offline mode (hard copy), it was suggested by NIC that a fresh application must be made at the state level referring the previous application for grant of EC.
14. **TOR details:** Terms of Reference (TOR) was issued by MoEF&CC to M/s. Korp Resources Private Limited for the proposed expansion vide letter no. 11015/236/2010 IA.II (M) dtd. 25.10.2010.
15. **Public hearing details:** Public hearing was conducted by OSPCB for the proposed expansion of Tantra Iron Mine from 0.12 to 0.24 MTPA on 12.10.2012.
16. **List of Statutory Clearances obtained earlier -**
  - a) Supplementary Lease Deed issued on dated 12.07.2016 and is extended upto 21.11.2035.
  - b) Mining plan is approved by IBM vide letter no. BBS/SNG/IRON/2177/RMP/2022-23 dtd. 31.08.2022
  - c) Forest Clearance (Stage II) obtained vide letter no. 8 108/2008 FC dtd.14.06.2010.
  - d) Ground Water Abstraction Permitted for 35m<sup>3</sup>/day vide letter no. CGWA/NOC/MIN/ORIG/2023/18255 dtd.19.04.2023.
  - e) Environmental Clearance vide letter no. J-11015/1008/2007-IA.II (M) dtd. 04.06.2009 for Production of 0.12 MTPA of Iron ore obtained from MoEF&CC.
  - f) Consent to Establish vide letter no. 22542/Ind-II-NOC-5683 dtd. 04.12.2013 for production of 0.12MTPA of iron ore.

- g) Consent to Operate vide letter no. 4965/IND-I-CON-5124 dtd. 28.03.2023 for production of 1,20,000 TPA iron ore.

17. **Location and connectivity:** Tantra Iron Ore Mine along with its beneficiation plant over an area 72.56 hectares in Sundargarh district of Odisha belongs to M/s Korp Resources Private Limited. It is bounded by the latitude 21°52'40" E to 21°52'48" E and longitude 85°10'14" N to 85°11'03" N. in topo-sheet no. 73G/1. The nearest town is Barbil Town - 90 km (NNE), nearest Highway is Panikoli-Rajamunda NH-215 1 km (N), nearest Railway Station is Barsuan - 17 km (SW), nearest Major Airport is Biju Patnaik International Airport, Bhubaneswar- 85.87 km (S). The ML exhibits undulating hilly topography varying from 620 m AMSL on the southern part to 840 m AMSL on the northern part of the ML area. Slope is very steep and the elevation difference is 220 m. Out of the total 72.560 ha, 69.041 ha is diverted forest land and balance 0.141 ha non-forest land. The topography of the study area (10 km around the ML boundary) exhibits plain as well as hilly topography. The general gradient of the area is towards north. Number of reserved forests falls within the study area i.e., Sarkanda RF, Kathamal RF, Karo RF, Torha RF and Mendhamaruni RF. The area falls within the Baitarini river Basin and watershed of the Karo nala which flows at a distance of 2 km on the eastern side of the ML area. There is no perennial streams/nalas flows across the ML area.

18. **Baseline study conducted:** Baseline study was conducted during October to December 2022.

- a) **Ambient Air monitoring:** - The project is an expansion project, and the study area is scattered with rural area. The area has cluster of Iron mines. The monitored results show PM10 levels were in the range of 93.4 to 59.8  $\mu\text{g}/\text{m}^3$ , PM2.5 levels were in the range of 53.8 to 31.3  $\mu\text{g}/\text{m}^3$ , SO2 levels were in the range of 19.8 to 4.4  $\mu\text{g}/\text{m}^3$ , NOx levels were in the range of 29.6 to 8.2  $\mu\text{g}/\text{m}^3$  & CO remained below detection level range of 0.45 to 0.13  $\text{mg}/\text{m}^3$  which are well within the prescribed limit of Central Pollution Control Board.
- b) **Ground Water quality monitoring:** The physico-chemical characteristics of ground water samples were analyzed. The levels of total dissolve solids varied from 90.4 to 79.1 mg/l, total hardness from 144.2 to 95.4 mg/l.
- c) **Surface Water quality monitoring:** The physico-chemical characteristics of surface water were analyzed. In fresh water, the pH values of are varies from 8.3 to 7.5, total dissolved solids are 9 294 to 76 mg/l, BOD ranges from 4 to respectively. The MF technique involves direct plating for detection and estimation of total coliform densities. The total coliform density in fresh water are varies from 17 to 7.8 MPN/100, which are within the limit as per IS-2296, for surface water quality.
- d) **Ambient Noise monitoring:** 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 6 62.1 to 40.2 dB(A) and at night time varies from 45.2 to 28.5 dB(A). All the noise values observed are well within the limits prescribed by National Ambient Air Quality Standards for Noise.
- e) **Soil monitoring:** Top soil samples were collected from core & buffer zone, from four locations. From the above analysis report, it is found that the bulk density ranges between 4.72 to 1.38 g/cc. The soil texture is almost clayey. The soil is very much fertile for agriculture purpose.

19. Life of Mines is estimated as 13 years.

20. **Water requirement:** About 146 KLD water will be required for dust suppression, plantation, workshop & wheel wash, drinking & domestic activities, etc. Mine pit water will be used for dust suppression and plantation activities. Ground water from borewell will be used for drinking and domestic use.

21. **Wastewater management:** Waste water & sanitary sewage from domestic use in the mine site is being discharged to septic tank and soak pit and in no circumstances discharged to any water body. There will not be any garage with washing facility within the leasehold area and hence the chance of generation of effluent from workshop does not arise.

## 22. Mining Plan Details:

- Mining method:** Mechanised opencast mining method with large HEMM will be carried out to increase the production from a level of 0.12 MTPA to 0.24 MTPA. Mine with the deployment of 100mm - 115mm dia. drills, 1.2m<sup>3</sup> capacity excavator, 10T & 20T capacity tipper / dumpers etc.
- Extent of development:** Existing Quarry will be developed leaving 7.5m wide safety zone / barrier all along the M.L boundary to obtain iron ore @240,000 t/annum. Year wise production and development plan & sections on 1:2000 scale have been prepared and coloured distinctly.
- Bench parameters:** Height and width of the benches will be kept at 6m each. The individual bench faces will be kept nearly vertical (80°) whereas the overall quarry slope angle (the angle between the line joining the toe of bottom bench and the crest of the top bench with the horizontal) is proposed to be maintained at around 45° with the horizontal.
- Blast hole drilling:** DTH drills of 100 mm-115 mm dia. with compatible size compressor will be used for blast hole drilling for loosening of hard and compact strata.
- Excavation:** Excavators of 1.2 m ^ 2 m bucket capacity will be deployed for excavation & loading of iron ore and OB/ waste into the dumpers.

## 23. Year wise Production Details:

Sl. No.	Year	Bench	Over Burden Volume (Length x width x height) (m3)	Over Burden Quantity (t)	ROM Quantity (t)	Mineral Rejects (t)	Production Main(t)	OB to Ore Ratio (ton/m3)
1	1 <sup>st</sup> (2023-24)	760	51300	102600	240000	118500(+45-50%Fe)	121500	1:0.21
2	2 <sup>nd</sup> (2024 -25)	760	29900	59800	240000	126000(+45-50%Fe)	114000	1:0.12
3	3 <sup>rd</sup> (2025 -26)	760	117300	234600	240000	61500 (+45-50%Fe)	178500	1:0.49
4	4 <sup>th</sup> (2026 -27)	760	59500	119000	240000	178800 (+45-50%Fe)	61200	1:0.25
5	5 <sup>th</sup>	760	112800	225600	240000	194100	45900	1:0.47

	(2027-28)					(+45-50%Fe)		
	Total		370800	741600	1200000	678900 (+45-50%Fe)	521100	1:0.31

24. **Waste Generation and Management:** Waste dump already reclaimed technically and biologically. This dump area is already proven barren by drilling. This dump has waste materials which are of grade below 45% Fe of laterite, shale, BHJ, BHQ, etc. This dump is already reclaimed by coir matting and subsequently plantation has been done surrounded by retaining wall of 1.5m height & 1m width and garland drain. Any rain cut which may develop in dump slope is proposed to be checked by no. of small check dams. Garland drains at the toe of the dump is connected to settling tank. Retreating method is adopted for backfilling. During the futuristic mining activity, tentatively out of the total waste 40% of waste material shall be utilized for road maintenance purpose and balance 60% shall be used for backfilling till the conceptual period.

Waste Generation (Existing Dump Details)

Sl. No.	Year	Dump ID	Type of Dump	Proposed Area (Ha)	Height (m)	Total Dump Quantity (m <sup>3</sup> )	Existing Dump Location
1	As on date	Dump -1	OB	0.575	28	40250	2420728N-2420800N/ 311452E-311631E
2	As on date	Dump-2	OB	0.250	14	8750	2420815N-2420848N/ 311439E-311560E
Total	--	--	--	0.825	--	49,000	--

Waste Generation (Proposed Dump)

Sl. No.	Year	Dump ID	Type of Dump	Proposed Area(Ha)	Height (m)	Total Dump Quantity (m <sup>3</sup> )	New Dump Location
1	1 <sup>st</sup> (2023-24)	Dump-1	OB	0.171	30	51,300	2420729N-2420806N/ 311418E-311553E
2	2 <sup>nd</sup> (2024-25)	Dump-1	OB	0.100	30	29,900	2420806N-2420820N/ 311411E-311555E
3	3 <sup>rd</sup> (2025-26)	Dump-1	OB	0.391	30	117,300	2420820N-2420835N/ 311410E-311557E
4	4 <sup>th</sup> (2026-	Dump-1	OB	0.198	30	59,500	2420835N-2420847N/

Sl. No.	Year	Dump ID	Type of Dump	Proposed Area(Ha)	Height (m)	Total Dump Quantity (m3)	New Dump Location
	27)						311415E-311555E
5	5 <sup>th</sup> (2027-28)	Dump-1	OB	0.376	30	112,800	2420847N-2420878N/ 311420E-311550E
--	<b>Total</b>	--	--	<b>1.236</b>	--	<b>370,800</b>	--

25. **The land utilization plan details:** The mine lease area is spread over 72.56 ha. The land utilization plan is given below.

Sl. No.	Particular	Area at present	Area at end of plan period
1	Area under mining	9.009	12.46
2	Topsoil Stacking	0	0
3	OB/Waste Dumping	0.825	2.061
4	Mineral Storage	4.955	4.955
5	Infrastructure	1	1
6	Roads	4.148	4.148
7	Railways	0	0
8	Tailing Pond	0	0
9	ETP	0	0
10	Mineral Separation Plant	3.55	3.55
11	Township area	0	0
12	Parking	1.12	1.12
13	Sub-grade stack	3.158	3.158
	<b>Total</b>	<b>27.765</b>	<b>32.442</b>
	Undisturbed	44.795	40.108
	<b>Grand Total</b>	<b>72.56</b>	<b>72.56</b>

26. **Power Requirement & solar power details:** Electric power line passes through the M.L. area. Mines office, residential complex etc. are electrified. Total power requirement is 135 MW.

27. **Greenbelt Development:** Plantation will be undertaken over the life of mine in a phase wise manner. The plantation will start from the first year of mining and will be maintained in remaining years. Total proposed plantation area will be 14.123 ha, and 29, 068 tree will be planted over 5 year of plan period.

28. **Total Employment:** A total manpower requirement is 62 persons for opencast mining. Mostly locals will be employed for this project.

29. **Project Cost:** The expected cost of the project is Rs. 165.45 Crores.

30. **Environment Consultant:** The Environment consultant M/s **Visiontek Consultancy Services Pvt. Ltd., Bhubaneswar** along with the proponent made a presentation on the proposal before the Committee.

Considering the information furnished and the presentation made by the consultant M/s Visiontek Consultancy Services Pvt. Ltd., Bhubaneswar along with the project proponent, the SEAC decided to take decision on the proposal after receipt of the following from the proponent:

- i) A write up about the development of the proposed project in chronological order with supporting documents.
- ii) Copy of Environmental Clearance, CTE, CTO for existing mining activities and present operational status.
- iii) Photographs of concrete wall for settling tank.
- iv) A note on air borne dust concentration during blasting and its control measures to be undertaken.
- v) Total material balance with size/grade differentiation till the tailings stage.
- vi) Mineralogical content of the tailings.
- vii) The settling pond and tailings pond overflow should be re-utilized in the process.
- viii) Water balance for the proposed 1 MTPA beneficiation plant.
- ix) The unit shall not operate the plant during monsoon period.
- x) A detailed note as to why a fresh public hearing shall not be conducted as public hearing which has been conducted for the proposal is long back i.e. on 12.10.2012.
- xi) Copy of application submitted for Forest Clearance of safety zone and current status.
- xii) Material Balance 1.0 MPTA of the beneficiation plant with tailing management plan.
- xiii) Existing and proposed conservation measures to augment the water resources.

**ITEM NO. 02**

**PROPOSAL FOR ENVIRONMENTAL CLEARANCE OF M/S. UDITI DWELLINGS PRIVATE LIMITED FOR REVISION & EXPANSION OF MULTI-STORIED RESIDENTIAL PROJECT AT MOUZA- RAGHUNATHPUR JALI, BHUBANESWAR, DISTRICT-KHORDHA, ODISHA - EC**

1. This proposal is for Environmental Clearance of revision & expansion of multi-storied residential project at Mouza - Raghunathpur Jali, Bhubaneswar, District - Khordha, Odisha for M/s Uditi Dwellings Private Limited.
2. **Category:** The project falls under category "B" or activity 8 (a) - Building and construction projects, as per the EIA Notification 2006 and amendments thereafter.
3. **Location and Connectivity:** The project site is located at Plot No. 317/2403, 318, 319, 320/2139, 322, 320, 321/2493, 325/1863, 326, 326/1851, 309/4706, 310, Mouza - Raghunathpur Jali, Bhubaneswar, District - Khurda, Odisha. The geographical co-ordinates of project site are 20°22'47.52"N & 85°49'29.14"E. Toposheet no. 73H11 & 73H15. The site is adjacent to Nandankanan Road and NH-16 is approx. 6.3 km away from the project site towards East direction. The nearest railway station is Bhubaneshwar New Junction Railway Station approx. 1.1km in East direction from the project site and Biju Patnaik International Airport is at a distance of approx. 13 km in South direction from the project site.

Proceedings of the SEAC meeting held on 03.02.2024

4. The project was earlier granted Environment Clearance by SEIAA, Odisha vide letter no. 122283/11-MIS/11-2019 dated 17th August, 2020 for Plot area = 7405.75 sqm (1.83 acre) and Built-up area = 27,636.66 sqm.
5. **Transfer of Environmental Clearance** has been done through SEIAA, Odisha vide File No.: SIA/OR/MIN/306394/2023 dated 05.12.2023.
6. Now, we are adding Tower-3 as a result of which the **Plot area** will increase to **9549.43 m<sup>2</sup>** & **Built-up area** will increase to **39,017.43 m<sup>2</sup>** for which Environment Clearance is being sought.
7. The site is coming under Bhubaneswar Development Authority, Bhubaneswar.
8. **The plot area is 9,549.43 m<sup>2</sup> (2.359 acres) with total built-up area 39,017.43 m<sup>2</sup>.**
9. The Building area details of the Project in tabulated form:

S. No.	Particulars	Area (m <sup>2</sup> ) (EC Accorded)	Area (m <sup>2</sup> ) (Revision & Expansion)	Total Area (m <sup>2</sup> ) (After Revision & Expansion)
1.	Total Plot Area	7,405.75	+2143.68	9,549.43
2.	Net plot area	7,405.75	+2,000.27	9,406.02
3.	Permissible Ground Coverage	2,592.0125 (35% of the Plot area)	+700.0945	3,292.107 (35% of the Net Plot area)
4.	Proposed Ground Coverage	1,447.36 (@19.5% of the Plot area)	+907.86	2,355.22 (25.04% of Net Plot Area)
5.	Permissible FAR	22,217.25 (@3 of Plot Area)	+35,079.08	57,296.58 (@6 of Plot Area)
6.	Proposed FAR	21,409.66 (@2.89 of Plot Area)	+7,946.37	29,356.03 (@3.121 of Net Plot Area)
	• Proposed Residential FAR	20,264.66	+8,091.52	28,356.18
	• Community building	1,145.60	-145.75	999.85
7.	Non-FAR Area	6,227.00	+3,435	9,662
	• Basement non F.A.R area (Lobby, Maintenance room, UGT, STP etc.)	5,286.69	+1,733.35	7,019.44
	• Tower's non F.A.R area (Meter room, fire command center, mummy, water tank etc.)	305.11	+88.18	393.29
	• Others non F.A.R area (Stilt, Guard room, Panel room, Community building etc.)	635.2	+1,613.47	2,248.67
8.	<b>Total Built Up Area</b>	<b>27,636.66</b>	<b>+11,380.77</b>	<b>39,017.43</b>
9.	Green Area	1,636.54 (22.09% of the Plot area)	361.75	1,967.73 (20.92% of Net Plot area)
10.	Maximum Height of the building (m)	54.5(B+G+14)	---	54.5(B+G+14)



10. Statutory Clearances obtained are:

- The project was earlier granted **Environment Clearance** by SEIAA, Odisha vide letter no. 122283/11-MIS/11-2019 dated **17<sup>th</sup> August, 2020** for Plot area = **7405.75 sqm** (1.83 acre) and Built-up area = **27,636.66 sqm**.
- **Transfer of Environmental Clearance** has been done through SEIAA, Odisha vide File No.: SIA/OR/MIN/306394/2023 dated **05.12.2023**.
- CGWA NOC has been obtained vide no. **CGWA/NOC/INF/ORIG/2020/9264** valid from **10<sup>th</sup> Dec. 2020** to **09<sup>th</sup> Dec. 2025**

11. **Water Requirement:** During operation phase, the source of water supply will be Ground water. The total water requirement for the project will be approx. 182KLD out of which domestic water demand is 167KLD. The fresh water requirement will be 110 KLD.

12. **Wastewater generated:** The project will generate approx. 147 KLD of wastewater. The wastewater will be treated in onsite STP of 175 KLD capacity. The treated effluent will be reused for flushing & horticulture. 71 KLD Surplus treated effluent will be discharged to external sewer in monsoon period and 64KLD in summer season.

S. No.	Description	Value as per Earlier Granted EC	Addition due to Expansion	Total Quantity (After Expansion)
1.	Total Water Requirement	112 KLD	70 KLD	182 KLD
2.	Fresh Water Requirement	75 KLD	35 KLD	110 KLD
3.	Wastewater Generation	92 KLD	53 KLD	147 KLD
4.	STP Capacity	110 KLD	65 KLD	175 KLD

13. **Power requirement:** - The power supply will be through TP Central Odisha Distribution Limited (TPCODL). The total maximum demand is estimated as 860 kVA. 10% i.e., 86 kVA energy will be saving from total energy load (5% i.e., 43 kVA through solar and 5% i.e., 43kVA through LED). Solar energy will be utilized for street lighting, solar blinkers and signage to reduce electricity consumption. There is provision of 2 no. of DG sets of total capacity 570 kVA (1\*320 kVA + 1\*250 kVA) capacity for power back up.

14. **Rainwater harvesting:** - 7 RWH pits of 50.24 m<sup>3</sup> capacity each are proposed for artificial ground water recharge.

15. The total population (EC accorded + Expansion) is 1436nos.

16. **Parking requirement:** - Total 281 ECS parking is proposed. 30% of total parking area provided with EV Charging Point = 281@30% = 79 ECS.

17. **Fire fighting installation:** - Firefighting measures will be adopted as per the guidelines of NBC. External yard hydrants shall be installed around all buildings in the complex in galvanized steel fire house cabinet (weather proof). All external yard hydrants shall be at one meter height from finished ground level as per NBC at a distance of 60 m along the road. External fire hydrants

shall be located such that no portion of any building is more than 45 m from a hydrant and the external hydrants are not vulnerable to mechanical or vehicular damage.

18. **Green Belt Development:** - Green Belt will be developed over an area of 1,967.73 m<sup>2</sup> i.e. 20.92% of the net plot area. Total 120 Nos. of plants to be planted and 3m spacing between plants and it will be 2 tier plantations.
19. **Solid Waste Management:** - During the operation phase, waste will comprise domestic as well as horticultural waste. The solid waste generated from the project shall be approx. 660 kg per day (@ 0.5 kg per capita per day for residents, @ 0.15 kg per capita per day for the visitor, 0.25 kg per capita per day for the staff members and landscape waste @ 0.2 kg/acre/day).
20. **Project cost:** The estimated Project cost is 80 Crores (Land and Development Cost) and cost form EMP is 40.5 lakhs.
21. **Environment Consultant:** The Environment consultant **M/s Grass Roots Research And Creation India (P) Ltd., Noida** along with the proponent made a presentation on the proposal before the Committee.

Considering the information furnished and the presentation made by the consultant, **M/s Grass Roots Research and Creation India (P) Ltd., Noida**, alongwith the project proponent, the SEAC recommended the following:

- A. **The proponent may be asked to submit the following for further processing of EC application:**
  - i) The compliance report for Previous EC conditions duly certified by Regional Officer, MoEF&CC.
  - ii) The proponent should re-evaluate and explore ways to reduce the water discharge by increasing the greenbelt area.
  - iii) NOC/permission for discharge of treated water to nearest municipal drain.
  - iv) Copy of Consent to Establish from the State Pollution Control Board, Odisha.
  - v) Construction status of the existing project.
- B. **The proposed site shall be visited by Sub-Committee of SEAC to verify the followings**
  - a) Environmental settings of the project site.
  - b) Verify if the site is a flood prone area.
  - c) Construction activity if any started at the site and extent of construction activity.
  - d) Road connectivity to the project site.
  - e) Drainage network at the site.
  - f) Discharge point for discharge of treated water and distance of the discharge point from the project site.
  - g) Verification for additional parking space provision.
  - h) Any other issues including local issues.

**ITEM NO. 03**

**PROPOSAL FOR AMENDMENT OF ENVIRONMENTAL CLEARANCE FOR EXPANSION OF IRON ORE BENEFICIATION PLANT FROM 10.7 MTPA (THROUGHPUT) CAPACITY TO 16.0 MTPA (THROUGHPUT), RELOCATION OF TAILING DAM AT VILLAGE - SANKARI, GRAM PANCHAYAT - PHULJHAR, DIST. - KEONJHAR, LAYING OF TAILING PIPELINE AND RETURN WATER PIPELINE FROM BENEFICIATION PLANT TO TAILING DAM AND LAYING OF WATER PIPELINE AND SLURRY PIPELINE FROM BENEFICIATION PLANT TO GHORABURHANI - SAGASAHU IRON ORE BLOCK - EC**

1. This proposal is for amendment of Environmental Clearance for Expansion of Iron Ore Beneficiation Plant from 10.7 MTPA (Throughput) Capacity to 16.0 MTPA (Throughput), Relocation of Tailing Dam at Village - Sankari, Gram Panchayat - Phuljhar, Dist. - Keonjhar, Laying of Tailing Pipeline and Return Water Pipeline from Beneficiation Plant to Tailing Dam and Laying of Water Pipeline and Slurry Pipeline from Beneficiation Plant to Ghoraburhani - Sagasahi Iron Ore Block of M/s. Arcelor Mittal Nippon Steel India Ltd.
2. **Category:** The proposed project activity is listed at S. No. 2 (b) - Mineral Beneficiation under Category "B1" of the schedule as per the EIA Notification, 2006.
3. **Location and Connectivity:** The proposed project is located at Plot no- 67 at Village- Dabuna, Tahasil- Barbil, District - Kendujhar. The Project Site is a part of the Survey of India Toposheet No. F45N5. The geo-coordinates of the project site is - Latitude: 21° 51'8.46" N to 21° 50'53.169" N & Longitude: 85° 24'21.442" E to 85° 25'5.728" E. The kissam of land is Industrial. Nearest Habitation is Dabuna. Nearest Highway is NH 215, 15 km E from the Beneficiation Plant & 12 km E from Tailing Pond. Nearest Airport is Biju Patnaik International Airport - 182 km. Nearest water body is Baitarani River, 9 km away from the Beneficiation Plant. Nearest Reserve Forest is Nayagarh Forest, 9.61 km SE of Plant.

Sl. No.	Statutory Clearances obtained	Date
1	Environmental Clearance (EC) (J-11015/876/2007-IA.II (M)) granted by MoEF&CC, New Delhi, for the Iron ore Beneficiation plant of 10.7 MTPA (throughout) capacity.	04 <sup>th</sup> May 2009
2	Amendment of EC approved for "Road Transport" (by MoEF&CC, New Delhi)	22 <sup>nd</sup> May 2013
3	TOR obtained for the expansion of Beneficiation Plant from 10.7 MTPA (throughput) to 16 MTPA (throughput) from MoEF&CC, New Delhi.	20 <sup>th</sup> July 2017
4	CTE obtained from SPCB, Odisha	17 <sup>th</sup> July 2019
5	Amendment of ToR was approved for "Relocation of Tailing Dam" (by MoEF&CC, New Delhi)	23 <sup>rd</sup> Jan 2020
6	ToR Validity Extension (COVID Relaxation), up to 19 <sup>th</sup> July 2022 by MoEF&CC, New Delhi	20 <sup>th</sup> Oct 2020
7	Public Hearing was held	12 <sup>th</sup> Apr 2021

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8	Form 2 submitted, for grant of Environmental Clearance to SEIAA, Odisha (as per MoEF&CC Notification S.O. 1886 (E), dtd. 20 <sup>th</sup> Apr 2022)	13 <sup>th</sup> July 2021
9	EC for the Dabuna Expansion Project obtained on from SEIAA: ( EC Identification No:EC23B007OR110978 & File No.: 78693/31-IND/07-2022)	14 <sup>th</sup> Mar 2023
10	EC Amendment Application submitted	28 <sup>th</sup> Dec 2023

4. Land Details of the Project:

Sl. No.	Land Description	Beneficiation plant	Truck Unloading Station	Tailing Dam	Tailing and Return Water pipelines from Beneficiation plant to tailing Dam	Water and Slurry pipelines from Beneficiation plant to Ghoraburhani Sagasahi iron ore block
1	Govt. Land (Non – Forest) in ha.	Nil	Nil	127.56	2.929	7.420
2	Private Land in ha.	34.40	1.92	2.67	6.362	Nil
3	Forest Land in ha.	Nil	Nil	Nil	12.728	16.466
<b>Total Land in ha.</b>		<b>34.40</b>	<b>1.92</b>	<b>130.23</b>	<b>22.019</b>	<b>23.886</b>

5. The land for tailing dam has been acquired by AM/NS India. The construction of Tailing Dam is under progress.

6. Stage – I Forest Diversion Clearance for “pipelines” has been obtained for the entire 29.194 ha Forest Land vide Letter No. 5-ORC481/2021-BHU, dated 28<sup>th</sup> Dec 2021 , and Letter No. 5-ORC496/2022-BHU, dated 25<sup>th</sup> Jan 2022.

**Reason for which Amendment of Environmental Clearance application had been submitted:**

7. AM/NS India obtained the Environment Clearance (EC) vide EC Identification No. EC23B007OR110978 and File No. 78693/31-IND/07-2022, issued by the State Environment Impact Assessment Authority(SEIAA), Odisha under MoEF&CC, New Delhi, on 14<sup>th</sup> Mar 2023.

8. In the EC, SEIAA stipulated one specific condition in relation to transportation of iron ore from Sagasahi mines to Dabuna Beneficiation Plant, is given as under.

9. Specific Condition (A), 1: The transportation of ore from Ghoraburhani – Sagasahi Iron Ore to Dabuna Beneficiation Plant by road is allowed only for 3 years i.e., up to 19.08.2023 vide MoEF&CC, Gol, EC Letter F. No. J-11015/192/2016IA. III(M), dated 20.08.2020. No more road transportation is allowed after 19.08.2023 without permission of the MoEF&CC.”

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10. As per the above condition, we are allowed to transfer the raw materials up to 19th Aug 2023, as SEIAA has considered the Ghorabhurani – Sagasahi Iron Ore Mines EC, NEERI's Conditions regarding transportation of iron ore.
11. The EC condition of our Sagasahi Mines states that:
12. Specific Condition (A), 2: Till the construction of beneficiation plant in the mine lease area, the transportation of ore from mine to Dabuna Beneficiation plant by road is allowed only for three years. No more road transportation is allowed after 3 years without permission of the Ministry. From 4th year onwards, the ore should be transported only through proposed slurry pipeline or as per the guidelines of CSIR-NEERI's recommendation. PP shall inform Ministry for any deviation in the proposed mode of transport of minerals in case the timeline is not complied with.
13. Although the EC of the Sagasahi Iron Ore Mines of AM/NS India Ltd. was obtained on 28th May 2020, but the mining operation had commenced on 09th Sep 2021 and the dispatches from Sagasahi Mines are commenced from 29th Nov 2021 (the starting date of mining operation as well as commencement has been communicated to DGMS and IBM during that time).
14. If we consider the date of mining operation of Sagasahi Mines, after which it will be consider three years for road transportation. Then we should be allowed for road transportation till 08th Sep 2024.
15. In compliance to the EC, Specific Condition A, (2), as per the guideline, half yearly compliance reports [(i) Oct' 2022 to Mar' 2023, and (ii) Apr' 2023 to Sept' 2023] has been submitted to SEIAA, Odisha as well as IRO, MoEFCC, Bhubaneswar, Odisha (through mail) updating/mentioning the status.

**Current Status of project and reason for which delay has taken place as per submission of PP:**

16. The Beneficiation plant at Sagasahi Mines has been under construction since August 2022 and 70% construction has been completed as on date.
17. Simultaneously, the design and laying of slurry pipeline from Sagasahi Mines to Dabuna Beneficiation Plant has started. The reason behind the delay in completion of the project are various cross-country pipeline land issues & ROW issues found during the execution process.
18. In addition to this, experiencing law & order issues in the execution process while laying slurry pipeline in Keonjhar district of Odisha. The same has been brought to the notice of Government authorities at highest level.
19. In view of the above, delay in execution of laying of slurry pipeline from Sagasahi Mines to Dabuna, EC amendment application has been submitted for the extension of the road transportation period from Sagasahi Mines.
20. The Project Proponent has requested for allowing of transportation of ore via road to the Dabuna Beneficiation plant till 30<sup>th</sup> Sep 2025 in compliance to the Specific Condition No. A (1), stipulated in the EC of Dabuna Expansion Project. No more road transportation is allowed after 30.09.2025 without permission of the MoEF&CC.
21. **Environment Consultant:** The proponent made a presentation on the proposal before the Committee.

Considering the information furnished and the presentation made by the project proponent, the SEAC decided to take decision on the proposal after receipt of the following from the proponent:

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- i) The compliance status to Previous EC conditions.
- ii) A comprehensive note on the current status of the project incorporating progress of work, water balance, transportation of slurry, water recovery, forest clearance, estimated investment and remaining balance work.
- iii) A brief note as to why it will not be considered as violation to specific Environmental Clearance condition – 3, as the time period has already expired on August, 2023 as per the EC.

**ITEM NO. 04**

**PROPOSAL FOR ENVIRONMENTAL CLEARANCE OF M/S PRATYAKSH ESTATES PRIVATE LIMITED FOR RESIDENTIAL APARTMENT PROJECT AT MOUZA - KUNEHIPADA, TAHASIL - BARANG, DISTRICT- CUTTACK, ODISHA – EC**

1. This proposal is for Environmental Clearance of M/s. Pratyaksh Estates Private Limited for residential apartment project at Mouza - Kunehipada, Tehsil- Barang, District- Cuttack, Odisha.
2. **Category:** As per the EIA Notification, 2006 and its subsequent amendments, the proposed project falls under 8 (a): Building & Construction projects.
3. **Location and Connectivity:** The project site is located at Plot No- 889/3560, 850/1618, 893, 894(p), 846/2901, 889/3387(p), 890/4406, 890/4406, 890/4407, 891, 892, 895/2580(p), 895/2851(p), Khata no. 325/3287, 325/3214, 325/3112, 119/977, 325/2057, 119/975, 119/976, 237, 87, 325/2199, 325/2044, Mouza - Kunehipada, Tehsil- Barang, District- Cuttack, Odisha. The geographical co-ordinates of centre of the project site are Latitude 20°26'10.00"N and Longitude 85°50'8.91"E.falling under the Toposheet no. F45T15.The Nearest Highway is NH-16 which is approx. 4.3 km in east direction from the project site. The nearest Railway Station is Barang Junction is about 3.5 km (S) away from the project site. Nearest Airport is Biju Patnaik International Airport is at 19.5 km (S) from project site. Nearest Sanctuaries are Chandaka Dampara WLS- 2 km, and its ESZ Boundary – 1.7 km, SW direction and Nandankanan WLS- 3.1 km and its ESZ boundary - 3 km, SW direction.
4. The site is coming under Cuttack Development Authority.
5. The plot area is 11,694.13 m<sup>2</sup> (2.89 Acre) with total built-up area 72,110.65 m<sup>2</sup>.
6. **The Building Area Details of the Project is:**

S. No.	Particulars	Area (m <sup>2</sup> )
1.	Total Plot Area	11,694.13
2.	Permissible Ground Coverage (@40% of the net plot area)	4,677.65
3.	Proposed Ground Coverage (@24.63% of the plot area)	2,879.79
4.	Permissible FAR (@2of the plot area)	23,388.26
5.	Total Proposed FAR (@4.915 of the plot area)	57,476.63
	• Proposed FAR (@2)	23,388.26
	• Purchased FAR (@2.915)	34,088.38

6.	Non FAR Area	14,634.02
7.	Built-up Area (5+6)	72,110.65
8.	Landscape Area (@20% of the plot area)	2,338.826
9.	Maximum Height of the Building (m)	75

7. **Water Requirement:** During operation phase, the source of water supply will be Ground water. The total water requirement for the project will be approx. 290 KLD out of which domestic water demand is 281 KLD. The fresh water requirement will be 186 KLD.
8. **Wastewater generation:** The project will generate approx. 244 KLD of wastewater. The wastewater will be treated in onsite STP of 300 KL capacity. The treated effluent will be reused for flushing & horticulture. Surplus treated waste water of 116KLD in summer season and 121KLD in Winter season will be discharged to external sewer.
9. **Power Requirement:** The power supply will be through TP Central Odisha Distribution Limited (TPCODL). The total maximum demand load is estimated as 3872 KW. 5% of the total power demand will be met through solar energy i.e. 193.6 KW along with 5% for LED lighting and other conservation measures. Solar energy will be utilized for street lighting, solar blinkers and signage to reduce electricity consumption. There is provision of 2 nos. of DG sets of total 1,500 kVA (1 x 750 kVA + 1 x 750 kVA) capacity for power back up. The minimum height of stack to be provided with each generator set is 80mtr.
10. **Rainwater Harvesting:** 2 RWH tanks of 220 m<sup>3</sup> capacity each are proposed to collect rainwater for 414.68 m<sup>3</sup> runoff load.
11. **Parking Requirement:** Parking area required = 14,369.16 m<sup>2</sup> and Proposed Parking Area =14,387.295 m<sup>2</sup>/ 366 ECS.
12. **Fire Fighting Installation:** Fire fighting measures will be adopted as per the guidelines of NBC. External yard hydrants shall be installed around all buildings in the complex in galvanized steel fire house cabinet (weatherproof). All external yard hydrants shall be at one meter height from finished ground level as per NBC at a distance of 60 m along the road. External fire hydrants shall be located such that no portion of any building is more than 45 m from a hydrant and the external hydrants are not vulnerable to mechanical or vehicular damage.
13. **Green Belt Development:** Green Belt will be developed over an area of 2,338.826 m<sup>2</sup> which is 20% of total plot area. Total 150 Nos. of plants to be planted and 3m spacing between plants and it will be 2 tier plantation.
14. **Solid Waste Management:** During the operation phase, waste will comprise domestic as well as horticultural waste. The solid waste generated from the project shall be approx. 1101kg per day (@ 0.5 kg per capita per day for residents, @ 0.15 kg per capita per day for the visitor, 0.25 kg per capita per day for the staff members and landscape waste @ 0.2 kg/acre/day).
15. **Traffic Study Report has been vetted by KIIT and LOS at present is "B" and after 10 years it will be "C".**
16. **Project cost:** The estimated Project cost is 163.825 Crores (Land and Development Cost) and cost form EMP is 133 lakhs.

17. **Environment Consultant:** 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.

Considering the information furnished and the presentation made by the consultant, **M/s Grass Roots Research & Creation India (P) Ltd. Noida**, along with the project proponent, the SEAC recommended the following:

A. **The proponent may be asked to submit the following for further processing of EC application:**

- i. Precautionary measures should be taken for noise pollution and dust management during the construction phase.
- ii. The water balance needs to be revised to reduce the discharge of water below 100KLD. The PP should explore ways to reduce the quantity of water discharge by increasing the plantation.
- iii. A layout map showing internal drainage, greenbelt, parking area & fire corridor.
- iv. During construction phase, the soil digged from project site, should be stored properly and be used for plantation otherwise if shifted to another place then transportation of digged soil should be managed properly so that public don't face dust pollution.

B. **The proposed site shall be visited by Sub-Committee of SEAC to verify the followings**

- i) Environmental settings of the project site.
- ii) Verify if the site is a flood prone area.
- iii) Construction activity if any started at the site and extent of construction activity.
- iv) Road connectivity to the project site.
- v) Drainage network at the site.
- vi) Discharge point for discharge of treated water and distance of the discharge point from the project site.
- vii) Any other issues including local issues.

**ITEM NO. 05**

**PROPOSAL FOR EXTENSION OF ENVIRONMENTAL CLEARANCE FOR NUAPADA DECORATIVE STONE MINE OVER AN AREA OF 8.575 HA. LOCATED AT PLOT NO. 74/P & 237/P, KHATA NO. 203, AT/PO- NUAPADA, TAHASIL - BHAWANIPATNA, DISTRICT- KALAHANDI, ODISHA OF SRI HARENDRA KUMAR PATTNAIK - EC**

1. This proposal is for extension of Environmental Clearance of Nuapada Decorative Stone Mine with total production capacity of 22,015 cum having an area of 8.575 Ha. located at Plot No. 74/P & 237/P, Khata No. 203, At/PO-Nuapada, Tahasi I- Bhawanipatna, District- Kalahandi, Odisha of Sri Harendra Kumar Pattnaik.



2. **Category:** As per the EIA Notification dated 14<sup>th</sup> September 2006 and its subsequent amendments the proposed project falls under category B of Schedule in item 1 (a) – mining of minerals.
3. **List of Statutory Clearances obtained earlier -**
- a) Environmental Clearance vide letter no. SEIAA/4234 dtd. 17.08.2015 FOR total production capacity of 22,015 cum obtained from SEIAA.
  - b) The Mining Plan was approved by Directorate of Mines & Geology, Steel & Mines Department, Govt. of Odisha, Bhubaneswar vide letter no. MXXX/I(b)14/13/1308/DM, Dtd. 16.02.2015.
  - c) Mining lease granted by- Mining Officer, Kalahandi Circle, Bhawanipatna.
4. **Location and connectivity:** The project area is located at Plot No. 74/P & 237/P, Khata No. 203, At/PO-Nuapada, Tahasil- Bhawanipatna, Dist-Kalahandi. The geographical co-ordinates of centre of project site are Latitude: 20° 09' 85"N To 20° 10' 02"N Longitude: 83° 01' 28" E To 83° 01' 28" E. Toposheet No: 64P/4, Kisam- Abad Ajogya Anabadi.
5. The project is not located within Eco-Sensitive Zone (ESZ) or Eco-Sensitive Area (ESA) notified by the MoEF&CC. The nearest Wildlife Sanctuary is Karlapat Wildlife Sanctuary- 27.8 Km.
6. **Total Reserves Production:** The total Geological Reserves for the ML area is 1,629,500Cum, Mineable Reserves for the ML area is 933,500Cum.
7. **Water requirement:** About 5KLD of water will be required in the mine for domestic and non-domestic purpose.
8. **Mining Plan Details:**
- a) **Details of Minerals:** There will be production of Decorative Stone of quantity 22,015 (cum)/annum.
  - b) **Method of Mining:** Opencast and semi mechanized method with the deployment of machines like jack hammer drill, compressor, hydraulic excavator & tipper.
9. **Solid waste generation:** A total waste of 30,664m<sup>3</sup> or 36,797m<sup>3</sup> (swollen) waste/rejects will be generated during the conceptual period.
10. **Mitigation of solid waste produced:** The waste rejects will be dumped over an area of 4,530m<sup>2</sup> at 8.5m height (approx).
11. **Greenbelt Development:** They have proposed for afforestation program of 240 saplings in the safety zone over an area of 1,500sq.m.
12. **Total Employment:** A total of 37 nos. of people will be employed in the mine.
13. **Project Cost:** The total project cost is 1.5 Crores. The Capital cost allocated for implementation of EMP is 5 Lakhs.
14. **Environment Consultant:** The Environment consultant M/s. Green Circle, INC., Vadodara, along with the proponent made a presentation on the proposal before the Committee.

Considering the information furnished and the presentation made by the consultant **M/s Green Circle, INC., Vadodara** along with the project proponent, the SEAC decided to take decision on the proposal after receipt of the following from the proponent:

- i) Copy of Environmental Clearance, Mining Plan and lease documents showing the project proponent is the rightful lessee and validity period of lease.

**ITEM NO.06**

**PROPOSAL FOR ENVIRONMENTAL CLEARANCE OF M/S PM GRANITE EXPORT PRIVATE LIMITED (BENEFICIATION DIVISION) MANGANESE ORE BENEFICIATION PLANT WITH 19800 TPA THROUGHPUT CAPACITY AT VILL: KOIDA, DIST: SUNDERGARH, ODISHA – EC**

1. This proposal is for environmental clearance of Manganese Ore beneficiation plant with 19800 TPA throughput capacity at Village Koida, Dist: Sundergarh, Odisha by M/s PM Granite Export Private Limited.
2. **Category:** This project falls under Category B2 (<20000 TPA) and Schedule 2 (b): Mineral beneficiation as per EIA Notification dated 14th Sept, 2006 and its amendments.
3. The project proponent and Environment consultant has requested to consider the proposal under Category B2.
4. **Location and connectivity:** The proposed beneficiation plant located over an area of 2.39 Acres in Koira Village, Plot No. 1553 Khata No.152 AJA, under Patita Kissam, of Koira Tahasil of Sundergarh District, Odisha. The area falls in toposheet number 73G/5. National Highway-215 is located at 1.5Km from the project site. The nearest railway station is Nayagarh Railway Station located at 18Km from the project site. Nearest river is Karo River at a distance of 7.5Km. Koida is the nearest town situated at a distance of 1.5Km. Nearest main road is Rajamunda-Rimuli Road which is situated at a distance of 1.7Km from the project site. There is no wild life sanctuary, corridor, National park, biosphere reserve located within 10Km buffer zone of the project site. Nearest Wildlife Sanctuary (Ushakothii Wildlife Sanctuary): 107Km.
5. **Summary of products generated by the project:**

Units	Products and By Products	Existing	Additional	After Expansion
TPA	Mn Ore	--	19800	19800

**6. Mining Plan Details:**

- a) From the Manganese Ore beneficiation will be maximum i.e. 5040 TPA (<20% Mn) will be generated.
- b) **Through put capacity:** 19800 TPA (15 TPH).
- c) **Land use as per mining plan at the end of plan period and at conceptual stage:**

Sl. No	Land use	Area (sq. meter)
1	Main plant, sedimentation tank and dewatering tank	1661.0
2	Tailing & Middling storage area	3637.0
3	Raw materials Storage area	200.0
4	Product storage area	908.0

Sl. No	Land use	Area (sq. meter)
5	Transformer	20.0
6	Electrical room	15.0
7	Office and rest room	15.0
8	Green area	3121.0
9	Toilets	10.0
10	Parking	85.5
<b>Total</b>		<b>9672.0</b>

7. **Waste generation:** The slurry from all the Dewatering Screens shall be discharged to Slurry Sump (C10/1). Slurry Sump shall be allowed to overflow and the overflow water shall be discharged to Jig Push Water Sump (C11/1) so that this water can be recycled back to the circuit as Process Water.
8. **Waste Management:** The dried tailing generated from the process will be 5810 TPA which will be stored over an area of 3637sq.m. The area demarcated will store the tailing upto 7 years. The dried tailing will be utilized for brick manufacturing in the latter stage. The middling generated from the process will be stored and used for mixing with the high-grade ore to produce requisite grade of manganese ore as per the requirement of the customers.
9. **Water requirement:** The makeup water requirement in the plant will be 0.08 KL/ Ton of ore. In the process total water requirement will be 10 KLD which include 5 KLD for beneficiation process and 5 KLD for drinking, dust suppression and plantation use. The water will be sourced from ground water and rain water harvesting pond.
10. **Rain water Harvesting Details:** There is the proposal for construction of one rain water storage tanks of dimension 20m x 20m x5m within the plant premises to store the harvested quantity of rain water and for use. Total storage capacity of the tank will be 2000 Cu.m. The harvested rain water will be used for the plant operation, dust suppression and green belt development
11. **Power requirement:** The power requirement is estimated as 250 KVA and will be procured from OPTCL, Odisha. For Power backup 1 no. of D.G. set of capacity 250 KVA is available for emergency use.
12. **Greenbelt Development:** Plantation will be done over an area of 3121 Acres (33%) of the total area with 800 saplings around the plant boundary of every direction (Eastern, southern, Northern and Western Boundaries. An amount of Rs.2,00,000 has been allocated for the development of greenbelt and annual expenses for green belt maintenance will be Rs. 1,00,000.00.
13. **Total Employment:** A total of 38 nos. of people will be employed in the mine.
14. **Project Cost:** The cost of the project has been estimated to be Rs.8.27 crores. The capital cost proposed for the project will be 27 Lakhs and recurring cost will be 4.80 lakhs. The company proposes to invest Rs. 10 Lakhs for peripheral development activities.

15. **Environment Consultant:** The Environment consultant **M/s Kalyani Laboratories Pvt. Ltd., Bhubaneswar**, along with the proponent made a presentation on the proposal before the Committee.

Considering the information furnished and the presentation made by the consultant, **M/s Kalyani Laboratories Pvt. Ltd., Bhubaneswar** along with the project proponent, the SEAC decided to take decision on the proposal after receipt of the following from the proponent.

- i) Documents pertaining to vesting of EC and copies of CTE & CTO obtained for captive mines.
- ii) Copy of forest clearance obtained.
- iii) A brief writeup as to why the proposal to be considered as category B2 project.
- iv) There should be provision of filter press; clarifier and the treated water should be reused.
- v) Explore the possibilities to utilize the tailings further.
- vi) The PP should maintain the zero liquid discharge.
- vii) Brief note on Surface Run-off Management Plan.

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

**PROPOSAL FOR ENVIRONMENTAL CLEARANCE OF M/S APEEJAY LOGISTICS PARK PVT. LTD., FOR PROPOSED ADDITION AND ALTERNATION OF SHED (01) AND PROPOSED SHED (03), ADMIN BLOCK AND GUEST HOUSE, ELECTRIC SUB- STATION BUILDING LOCATED AT MOUZA - KHURUNTI, DISTRICT- JAJPUR, STATE- ODISHA OF MR. KISHORE PATNAIK (HEAD LIAISON AND ADMINISTRATION) – EC**

1. This proposal is for Environmental Clearance for proposed addition and alternation of shed (01) and proposed shed (03), admin block and guest house, electric sub- station building for M/s. Apeejay Logistics Park Pvt. Ltd., located at Mouza-Khurunti, District-Jajpur, State- Odisha.
2. **Category:** The project falls under category "B" or activity 8 (a) - Building and construction projects, as per the EIA Notification 2006 and amendments thereafter.
3. It is an existing project with existing built up area of 15,357.79 sq. m for logistic park purpose. Now, the project is proposed to increase and alter the built-up area of 22,967.35 square metres.
4. **Location and Connectivity:** The project site is located at Plot No. 29/732 (P), 95(P), 29/1(P),6(P),53(P),29(P), 57(P) and 43(P), Village- Khurunti, Tahasil - Sukinda, District - Jajpur. The geographical co-ordinates of project site are: Latitude: 20°58'50.43"N & Longitude: 86°1'46.56"E, falls under Toposheet no. F45U1 and Kisam of land - Industrial land. Nearest distance of approach road: SH: SH20, 0.02 km, NH: 53 - 3.7 km. The nearest Airport: Biju Pattnaik International Airport, Bhubaneswar, Odisha. (84 km), nearest water body is Lotus pond - 0.5 km, E, Tata Steel Reservoir - 0.9 km & Brahmani River - 10km.
5. The site is coming under Kalinganagar Development Authority, Jajpur.
6. The total plot area is 1, 21,405.88m<sup>2</sup>/30.00 Ac./12.14Ha. with total built-up area 38,325.14 m<sup>2</sup>.
7. The Building Area Details of the Project in tabulated form:  
Total plot area = 1, 21, 405.88 sq. m or 30 Ac. or 12.140588 Ha.

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Total Built- up area = 38,325.14 sq. m (Existing and expansion)

Total existing built up area =15,357.79 sq. m

Sl. No.	Area
Area of the site	1, 21,405.88 sq. m (30.00 ac.)
Proposed F.A.R	0.32
Proposed Ground Coverage	38,100.14 (31.55 % of Net Plot area).
Proposed built up area	22,967.35 sq. m
Proposed Building Height	12 m
Front Setback	26.34 m
Rear Setback	6.25 m
Left Setback	20.83 m
Right Setback	19.06 m
Road and paved area	42,340.5 sq. m
Proposed green area	2,681.39 sq. m
Proposed Parking area	3,265.03 sq. m

8. **Statutory Clearances obtained are:**

- The Building plan by special planning Authority KNDA, JAJPUR vide Letter No: bp-134/22424/KNDA, Dated:12.05.2023.
- Fire safety Recommendation vide File No-RECOMM1101010112022000918, dtd-16.11.2022.
- NOC for power supply from NESCO utility power supply, Odisha vide Letter No-FC/CO/531/2216, dated 20.02.2015.

9. **Water Requirement:** Water requirement during construction phase is approximately 5KLD which is sourced from private tankers. During operation Phase, the total water requirement will be approximately 65 KLD (domestic+ flushing) and green belt. Out of which total domestic water requirement for logistic park will be 11 KLD & flushing water will be 7 KLD.

10. **Wastewater generated:** Waste water generated during construction period will be negligible amount and will be used in ready mix concrete. During operation Phase, the total waste water generation is approximately 10 KLD from the propose project from which domestic waste water generation will be around 4 KLD and the total flushing waste water generation will be around 7 KLD. There is no proposal of STP and Soak pits will be provided for discharge of waste water.

11. **Power requirement:** - The power supply will be through North Eastern Electricity Supply Company of Odisha Limited (NESCO), Corporate Office, Jajpur. The total power requirement for the proposed project will be 100 kW. For power back up 2 nos. of DG sets of capacities 200

kVA and 62.5 kVA has been operating for the project. There are proposal of 5 kW ( 5%) contribution towards total power required in the project.

12. **Rainwater harvesting:** - Total amount of rainwater is 2990 m<sup>3</sup> and total 80 nos. of recharge pits has been proposed for the project.
13. **Parking requirement:** - Total parking of 10,568 Sq.m area proposed (27.74% of covered area) and 475 ECS has been proposed.
14. **Fire fighting installation:** - Firefighting measures will be adopted as per the guidelines of NBC. NOC of fire Recommendation with File No RECOMM1101010112022000918 on dated 19.11.2022 has been obtained from Odisha Fire Service.
15. **Green Belt Development:** - Green belt will be developed over an area of 26,998.49 sq. m which is 22.36 % of the total plot area. From which existing green belt area is 24,281.13 sq. m. Total 1550 nos. of trees has been planted around the project premises.
16. **Solid Waste Management:** -

- **During Construction Phase:** Construction debris and excavated top soil will be the main solid waste generation during construction phase. Construction debris will be utilized for paved area and top soil used for backfilling and leveling of the project site and also in landscaping.
- **During Operation Phase:** Solid waste generated from the project will be mainly MSW and estimated quantity of total Garbage is 43 kg/day. The generated waste will be handled as per applicable norms. The solid waste generation from the project will segregate as biodegradable and non-bio-degradable waste by providing separate color bins and finally will handover to authorized recyclers.

Sl.No.	Particulars	Population	Waste Generation Rate (kg/cap/day)	Waste generated (kg)
1.	Staff	30	0.3	9
2.	Security Guards	10	0.3	3
3.	Visitors	200	0.15	30
4.	Horticulture 0.2 kg/acre/day		6.67	1
<b>Total</b>		<b>240</b>		<b>43</b>

17. **Project cost:** The estimated project cost is Rs. 24.71 Cr. and cost for EMP is Rs.62 lakhs.

18. **Environment Consultant:** The Environment consultant **M/s Visiontek Consultancy Services Pvt. Ltd. (Bhubaneswar)** along with the proponent made a presentation on the proposal before the Committee.

Considering the information furnished and the presentation made by the consultant, **M/s Visiontek Consultancy Services Pvt. Ltd. (Bhubaneswar)**, alongwith the project proponent, the SEAC decided to take decision on the proposal after receipt of the following from the proponent:

- i) Copy of Building plan approval obtained earlier.

Proceedings of the SEAC meeting held on 03.02.2024

*J Nayak*  
Environmental Scientist, SEAC

- ii) Copy of permission from Water Resource Department, Govt. of Odisha for usage of ground water.
- iii) The PP shall recalculate parking space proposed as per norms (30% for residential purpose and 40% for commercial purpose). Revised layout to be submitted.
- iv) Provision for usage of solar power based on the total built-up area.
- v) Detailed traffic study report duly vetted by an institute of repute.
- vi) An undertaking clarifying that they have not carried out any construction activities beyond the permitted area or as approved in building plan.
- vii) Fresh approval is required from KNDA for proposed total built up area and status of the same.
- viii) Details of layout showing existing and proposed facilities with positions of associated environmental installations.
- ix) In the clause of undertaking by PP, additional certification by a govt empanelled Architect about the extent of construction may be sought.

#### **ITEM NO. 08**

#### **PROPOSAL FOR ENVIRONMENTAL CLEARANCE FOR PROPOSED (B1+B2+G+15) STORIED BUILDING FOR IT PARK CUM FOOD COURT OF M/S ROYALE HOTELS PVT. LTD. AT CHANDAKA INDUSTRIAL ESTATE, MOUZA- CHANDRASEKHARPUR, BHUBANESWAR, DIST- KHURDA, ODISHA - EC**

1. This proposal is for Environmental Clearance of proposed (B1+B2+G+15) Storied building for IT Park Cum Food Court of M/s Royale Hotels Pvt. Ltd. at Chandaka Industrial Estate, Mouza- Chandrasekharpur, Bhubaneswar, Dist- Khurda, Odisha.
2. **Category:** The project falls under category "B" or activity 8 (a) - Building and construction projects, as per the EIA Notification 2006 and amendments thereafter.
3. **Location and Connectivity:** The proposed site is located at IDCO Plot No. - F/104, F/103/1, F/103/2, F/103/3, Corresponding to Revenue Plot No. 7(P) & 44 (P) Chandaka Industrial Estate, Mouza - Chandrasekharpur, Bhubaneswar, Dist- Khurda, Odisha. The Geographical co-ordinate of the project site is: Latitude - 20° 20' 33.31" N & Longitude - 85° 48' 32.74" E and Kissam of Land : Gharabari. The site is situated near Infocity which is adjoining to Venketeswar English Medium School, Chandrasekharpur, Bhubaneswar. The nearest railway station is Bhubaneswar Railway station at a distance of approx 9.2 Km in South-East direction. The nearest airport is Biju Patnaik Airport at a distance of approx. 9.6 Km in South direction from project site. The site is easily accessible from Nandan Kanan to Infocity Road.
4. The site is coming under Bhubaneswar Development Authority, Bhubaneswar.
5. The total plot area is 8092.0 sq.mt./2.0 Ac./0.809 Ha. with total built-up area 40830.71 sq.mt.

6. The Building Area Details of the Project in tabulated form:

Particular	Proposed	Permissible
Project Name	Proposed (B1+B2+G+15) Storied building for IT Park Cum Food Court	
Total Plot Area	8092.00 sqm	--
Road Affected Area	364.74 sqm	--
Net Plot Area	7727.26 sqm	
Ground Coverage	3013.63 sqm (39%)	--
FAR Area	28679.75 sqm	--
FAR	3.71	
<b>Total Built up Area</b>	<b>40830.71 sqm</b>	--
Maximum Height	78.3 m	--
Road Area	8,065.10 sqm	--
Basement Parking Area	11656.72 sqm	<b>11471.9 sqm</b>
<b>Total Parking Area</b>	<b>11656.72 sqm</b>	
Green Belt Area	1661.36 sqm (21.5 %)	1545.45 sqm (20 %)
Maximum No. of Floor	B1+B2+G+15	--
Power Requirement	2108.11 KW	--
Solar	116.01 KW	
No. of DG sets	2x1010 KVA & 1x500 KVA	--
Fresh Water requirement	142.3 KLD	--
Sewage Treatment Plant	STP Capacity – 200 KLD	--
Solid Waste Generation	679.4 kg/day	
Estimated Population- Residential, Commercial, Floating/visitors	Commercial- 2321 Nos. Visitor- 2992 Nos.	--

7. **Water Requirement:** Fresh make up of 142.3 m<sup>3</sup>/day will be required for the project which will be sourced from IDCO Supply Water.
8. **Wastewater generated:** Total waste water generated from the commercial building is 196.3 KLD which is treated in STP of Capacity 200 KLD. After treatment, treated water will be used in



Dust Suppression (6.2KLD in summer only), Landscaping (6.6KLD in summer only), HVAC (75.0KLD) and drain (16.2KLD in Non monsoon and 29.0KLD in Monsoon).

9. **Rain Water Harvesting:** Rain Water harvested through 16 nos. of Rain Water recharging pits.
10. **Power requirement:** - Total Power requirement of the proposed building is 2108.11 KW, Source is TPCODL, 2 x 1010 KVA & 1x500 KVA DG Sets is provided. For the proposed project height of the stack shall be 85 m. Total 116.01 KW Solar Power Generation which is 5.5% of total power required in project consisting of 30 Nos. of Solar Street Light poles of 2.16 KW capacities is directly connected with Solar Panel and 113.85 KW Solar energy generated from 55 nos. of PV Panels is distributed to Grid with proper agreement.
11. **Rainwater harvesting:** - Total 191.2 cum Rain Water is harvested through 16 nos. of recharge pits.
12. **Parking requirement:** - Total parking area provided is 11656.72 Sq.mt. and total 364 nos. of ECS and location of parking area is Basement.
13. **Green Belt Development:** - Greenbelt is developed over an area of 1661.36 sqm which is 21.5% of the total plot area. Total 109 nos. of plants to be planted and 3 tier plantation.
14. **Solid Waste Generation:** -

S. No.	Category	Counts (heads)	Waste generated (kg/day)
1.	Commercial	2321 @ 0.15 kg/day	348.2
2.	Floating	2992 @ 0.10 kg/day	299.2
3.	STP sludge		32.0
<b>TOTAL SOLID WASTE GENERATED</b>			<b>679.4 kg/day</b>

15. **Project cost :** The estimated project cost is 85.0 Crores and cost for EMP is 1.85 Crores.
16. **Environment Consultant:** The Environment consultant **M/s Centre for Envotech & Management Consultancy Pvt. Ltd, Bhubaneswar** along with the proponent made a presentation on the proposal before the Committee.

Considering the information furnished and the presentation made by the consultant, **M/s Centre for Envotech & Management Consultancy Pvt. Ltd, Bhubaneswar**, along with the project proponent, the SEAC recommended the following:

- A. **The proponent may be asked to submit the following for further processing of EC application:**
- IDCO allotment letter for the proposed land allotted as previously for Hotel and now change to IT park cum Food Court.
  - Drainage plan & water permission approved by IDCO.
  - The effluent generated from the HVAC should be treated prior to discharge or reuse. Details of the treatment system.
  - Adequate measures should be taken to control noise pollution & vibrational activities during construction phase.

- v. PP should ensure provision for additional 5% parking space along with the existing allotted 40% parking space as it is a commercial unit. Revised Layout for parking to be submitted.
- vi. Detailed traffic study report duly vetted by an institute of repute.
- vii. Dust control during construction period and also during transportation to outside by roads should be managed.

**B. The proposed site shall be visited by Sub-Committee of SEAC to verify the followings**

- i) Environmental settings of the project site.
- ii) Verify if the site is a flood prone area.
- iii) Construction activity if any started at the site and extent of construction activity.
- iv) Road connectivity to the project site.
- v) Drainage network at the site.
- vi) Discharge point for discharge of treated water and distance of the discharge point from the project site.
- vii) Verification for additional parking space provision.
- viii) Any other issues including local issues.

**ITEM NO. 09**

**PROPOSAL FOR ENVIRONMENTAL CLEARANCE FOR PROPOSED S+4 STORIED RESIDENTIAL AND COMMERCIAL HOUSING COMPLEX AT MOUZA- ROUTHKHAMAR OF RAIRANGPUR TOWN UNDER RAIRANGPUR MUNICIPALITY, DISTRICT – MAYURBHANJ AND STATE- ODISHA – VIOLATION TOR.**

1. This proposal is for Environmental Clearance of Proposed S+4 Storied Residential and Commercial Housing Complex at Mouza - Routhkhamar of Rairangpur town under Rairangpur Municipality, District – Mayurbhanj and State - Odisha.
2. **Category:** The project falls under category "B" or activity 8 (a) B2- Building and construction projects, as per the EIA Notification 2006 and amendments thereafter.
3. **Location and Connectivity:** The proposed site is located at Plot No- 388/539, 397/542, 415/543, 416/544, 418, 414, 413/520, Village - Routhkhamar, Tahasil - Rairangpur, District- Mayurbhanj, State - Odisha. The Geographical co-ordinate of the project site is: Latitude - Latitude: 22°15'24.6"N & Longitude - 86°10'15.3"E. Toposheet no: 73 J/3. Kisam of land – Gharabari. The nearest distance of approach road is SH: SH- 50, 0.05 km,W. The nearest airport is Birsu Munda Airport, Ranchi. (91km), NW. The nearest water bodies are Kadkai River 0.1km,S, Jaran Nadi - 5.4km, N & Kanu Nadi – 5.3km, W.
4. The site is coming under Special Planning Authority, Rairangpur, Odisha.
5. The total plot area is 9955.266 sq. m. / 2.46 Ac. / 0.99 Ha. with total built-up area 21,401.16 sq. m. Total violation built up area = 6,282.35 sq. m.

6. The Building Area Details of the Project in tabulated form:

Sl. No.	Area
Area of the site	9,955.266 sq. m.
Proposed F.A.R	1.707
Proposed Ground Coverage	4,464.92 sq. m (44.8 % of total plot area)
Proposed built up area	21,401.16 sq. m
Proposed Building Height	S+4 (Block 1,4,5,6 and Commercial) = 14.55m, Block (2,3) = 14.75 m, And S+3 ( Block 7,8) = 11.55 m
Maximum numbers of floors	4
Total Road and paved area	7947.96 sq. m
Total green area	2007.30 sq. m
Total Parking area	4355.80 sq. m
Total No. of Dwelling units	173

7. **Water Requirement:** Total Fresh water requirement is 88 KLD. The source of water is Ground Water.
8. **Wastewater generated:** Total waste water generated from the commercial building is 125 KLD. The waste water generated from the proposed project will be discharged to STP of 160 KLD capacity. After treatment of waste water in STP, treated water will be reused in flushing and greenbelt. There is proposal of one STP of 160 KLD capacity for the proposed project. Total 22 KLD of treated water will be discharged to Municipal Sewer of Rairangpur, Odisha during non-monsoon period and 52 KLD of treated water during monsoon period.
9. **Power requirement:** - Total Power requirement of the proposed building is 954 kW, Source is North Eastern Electricity Supply Company of Odisha limited Corporate Office, Odisha. For power back up 2 nos. of DG sets of capacities 320 kVA and 160 kVA has been purposed for the project. There are proposal of 48 kW (5%) contribution towards total power required in the project.
10. **Rainwater harvesting:** - Total amount of rainwater is 272 m<sup>3</sup> and total 38 nos. of recharge pits has been proposed for the project.
11. **Parking requirement:** - Total parking of 4355.80 sq. m area proposed and 190 ECS has been proposed.
12. **Green Belt Development:** - Green belt will be developed over an area of 2007.30 sq. m which is 20.15 % of the total plot area. Total no of trees will be planted is 150 nos. which will be two-tier plantation.
13. **Solid Waste Generation:** During operation phase, the solid waste generated will be approximately 550 kg/day.
14. **Project cost:** The estimated project cost is Rs.46.72 Cr. and cost for EMP is Rs.105 lakhs.

15. **Environment Consultant:** The Environment consultant M/s **Visiontek Consultancy Services Pvt. Ltd. Bhubaneswar** along with the proponent made a presentation on the proposal before the Committee.

16. The SEAC observed the following:

This is a violation case as the PP submitted as per provisions of SOP dtd. 7<sup>th</sup> July, 2021 and OM dtd. 28<sup>th</sup> January, 2022. It is mentioned that the Hon'ble Supreme Court has stayed the operation of said OM of SOP dtd. 7<sup>th</sup> July, 2021 and OM dtd. 28<sup>th</sup> January, 2022. Hence, the proposal may be returned to SEIAA, Odisha for further action.



**MEMBER SECRETARY, SEAC**