

**PROCEEDINGS OF THE MEETING OF STATE LEVEL EXPERT APPRAISAL
COMMITTEE, ODISHA HELD ON 04TH MARCH, 2020**

The SEAC met on 04th March, 2020 at 03:00 PM in the Conference Hall of Odisha State Pollution Control Board, Bhubaneswar under the Chairmanship of Dr. D. Swain. The following members were present in the meeting.

- | | | |
|-----------------------------|---|--------------------|
| 1. Dr. D. Swain | - | Chairman (Working) |
| 2. Sri. J. K. Mahapatra | - | Member |
| 3. Sri. K. R. Acharya | - | Member |
| 4. Prof.(Dr.) B.K. Satpathy | - | Member |
| 5. Dr. Saifabala Padhi | - | Member |
| 6. Dr. K.C.S Panigrahi | - | Member |
| 7. Prof. (Dr.) P.K. Mohanty | - | Member |

A. CONSIDERATION OF COUNTRY LIQUOR PROPOSALS

(i) CONSIDERATION OF REVALIDATION OF ENVIRONMENTAL CLEARANCE OF COUNTRY LIQUOR PROPOSALS (01 No):

The Committee verified the documents furnished along with checklist of 01 nos. of country liquor units as per **Annexure-A**. The unit has already obtained Environmental Clearance earlier. It has applied for Environmental Clearance for the capacity less than the capacity for which Environmental Clearance granted earlier. The Committee recommended that fresh Environmental Clearance and/or revalidation of Environmental Clearance is not required for the proposal as recommended earlier in SEAC meeting held on 31.10.2019.

(ii) CONSIDERATION OF COUNTRY LIQUOR PROPOSALS (02 Nos) :

The committee verified the documents furnished along with checklist of 02 no. of country liquor proposals. The case-wise proceedings and observations of the committee are detailed in **Annexure – B**.

Total no. of proposals	No. of proposal	Recommendation of the committee
02	01	The SEAC recommended to grant Environmental Clearance with modified conditions as recommended in the SEAC meeting held on 19.06.2018.
	01	The Committee recommended to reject the proposal.

(iii) CONSIDERATION OF MINOR MINERAL PROPOSALS:

The committee verified 14 nos. of minor mineral proposals forwarded by the SEIAA, Odisha on the basis of MoEF&CC, Govt. of India OM no. F. No. L-1 1011/175/2018-IA-II (M), dated 12.12.2018. The case-wise proceedings and observations of the committee are detailed in Table as per **Annexure – C**. The proposals of following categories are:

Total no. of proposals	Type of proposals	No. of proposal	Decisions of the committee
14	Stone Quarries and others (11)	08	The committee considered the proposals as B2 category and recommended for environmental clearance.

Total no. of proposals	Type of proposals	No. of proposal	Decisions of the committee
		03	Clarification to be sought from the concerned Tahasildar.
	River sand (03)	01	The committee considered the proposals as B2 category and recommended for environmental clearance.
		02	Clarification to be sought from the concerned Tahasildar.

B. CONSIDERATION OF OLD PROPOSALS (COMPLIANCE RECEIVED):

(i) **PROPOSAL FOR ENVIRONMENTAL CLEARANCE OF PROPOSED MULTI STORIED RESIDENTIAL PROJECT AT MOUZA – RAGHUNATHPUR JALI, BHUBANESWAR, DISTRICT – KHORDHA OF KRJ PROJECT LLP & OTHERS WITH TOTAL BUILT-UP AREA 27,636.66 SQM. – EC**

- The proposal is for Environmental Clearance for KRJ Project LLP & Others for proposed Multi Storied Residential Project at Mouza – Raghunathpur Jali, Bhubaneswar, District – Khordha with total built-up area 27,636.66 m².
- The project falls under Category "B", Project or Activity 8 (a) as per schedule of EIA Notification dated 14th Sep, 2006, as amended from time to time.
- The total project area is 7405.75 m² or 1.83 acres. The coordinates of the area is Latitude - 20°22'47.52"N and Longitude - 85°49'29.14"E. The Project is located at Plot No. 317/2403, 318, 319, 320/2139, 322, 320, 321/2493, 325/1863, 326, 326/1851, Mouza-Raghunathpur Jali, Bhubaneswar, District- Khordha, Odisha. Among main connecting links to the Project site, Nandan- Kanan Road is adjacent to project site. The nearest railway station is Bhubaneshwar Railway Station approx. 1.12 km in E direction from the project site and Biju Patnaik International Airport is at a distance of approx. 14.5 km in SSW direction from the project site. Nandankanan Wildlife Sanctuary lies at a distance of Approx. 0.72 km (NW) and Chandaka Dampara Wildlife Sanctuary lies at a distance of Approx. 2.65 km (NW).
- The Detailed Area Statement of the project is mentioned in the table:

Sl. No.	PARTICULARS	AREA (M ²)
(a)	Total Plot area	7405.75
(b)	Permissible Ground coverage (@35%)	2592.0125
(c)	Proposed Ground coverage @ 19.5 % of plot area	1447.36
(d)	Permissible F.A.R @ 3	22,217.25
(e)	Proposed F.A.R @ 2.89	21,409.66
	a. Residential F.A.R	20,264.66
	b. Community building	1,145.60
(f)	Proposed Non F.A.R	6,227.00
(g)	a. Basement non F.A.R area (Lobby, Maintenance room, UGT, STP etc.)	5,286.69
	b. Tower's non F.A.R area (Meter room, fire command center, mummy, water tank etc.)	305.11
	c. Others non F.A.R area (Still, Guard room, Panel room, Community building etc.)	635.2

Sl. No.	PARTICULARS	AREA (M ²)
(h)	Total Built-up Area	27,636.66
(i)	Maximum Height of the Building (B+G+14)	44.5 m
(j)	Landscape area (22.09 % of total plot area)	1636.54

5. Total power requirement for the proposed project will be 660kVA; Source: CESU which will be sourced from Odisha Power Transmission Corporation Limited. 2 DG sets =500 kVA (2 x 250 kVA) will be installed for backup power.
6. The total water requirement is approx.112 KLD, out of which total domestic water requirement is 107 KLD. The total fresh water requirement is approx. 75 KLD.
7. **Wastewater Generation:** The project will generate approx. 92 KLD of wastewater. The wastewater will be treated in an onsite STP of 110 KLD capacity. 73.5 KLD of treated wastewater will be recycled (32 KLD for flushing, 5 KLD for gardening, 36.5 KLD will be discharged into nearby construction/ plantation purpose/into drain after getting Sewer permission).
8. **Solid waste Generation:** The project will generate approx. 437.5 kg/day of solid waste which will be collected from household units as domestic waste in coloured bins. The local vendors will be hired to provide separate coloured bins for dry recyclable and Bio-Degradable waste. Litter bin will also be provided in open areas like parks etc. Biodegradable waste will be composted in Organic Waste Converter and Non-biodegradable Waste generated will be disposed through Govt./CPCB approved vendors.
9. Adequate parking (7,105.24 m²) provision will be kept for vehicles parking in the project. Besides this, internal road of adequate width within the project will facilitate smooth traffic movement. The total proposed parking for the Multi-storied residential project is 248 ECS (Approx.).
10. Proposed energy saving measures would save about- Led lights, Solar panels, Energy Saving devices will be implemented. Solar based lightening will be done in common areas, Stair cases, landscape areas, signage, entry gates and boundary walls (5% from total power load). Total Energy saved ~ 132 kVA which will be 20 %
11. A detailed traffic survey has been conducted following PCUs as per IRC – 106:1990 in the area to evaluate the impacts of the increased traffic due to the proposed activity.
12. 6 nos. of Rain water harvesting pits had been proposed under Rain water harvesting system.
13. Fire fighting Installations will be installed as per recommendation of the Fire fighting Officer, Odisha and as per the guideline of NBC (part-4). Fire NOC had been obtained.
14. The total estimated population of the project will be 1088 persons (including fixed + floating).
15. The total estimated cost of the project is approximately INR ₹ 55 Crores including land and construction.
16. The consultant **M/s Grass Roots Research & Creation India (P) Ltd. Noida (UP)** along with the proponent have made a detailed presentation on the EIA/EMP report.
17. The SEAC in its meeting held on 18.12.2019 decided to take decision on the proposal after the proponent submits the following information/ documents followed by visit by the

Sub-Committee of SEAC to the project site

18. Now the project proponent has furnished compliances as desired by the committee vide letter dated 14.02.2020 as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
1.	Supporting documents regarding land schedule and kissam of land.	Kissam of land is Gharabari. Land Documents are enclosed in Annexure-I
2.	Status of Wildlife Clearance along with copy of the application submitted for Wildlife Clearance (if any) as the project is located within 10 km (default) from the boundary of Nandan Kanan Sanctuary.	Project Proponent have already applied for NBWL. Copy of the online submission acknowledgement is enclosed as Annexure-II .
3.	Certificate from the concerned DFO about exact distance of the project location from the boundary of notified Eco-Sensitive Zone of Chandaka-Dampada Wildlife Sanctuary.	DFO clearance for Chandaka Dampada Wildlife Sanctuary is enclosed as Annexure-III .
4.	Stack height of DG set, location and its specifications and design with stack height calculation.	Details of stack height of DG set, location and its specifications and design with stack height calculation is enclosed as Annexure-IV (a) IV (b) .
5.	Detailed calculation for generation of waste water and its management during monsoon and non-monsoon.	Detailed calculation for generation of waste water and its management during monsoon and non-monsoon is enclosed as Annexure-V .
6.	NOC from drainage department for discharge of treated water to readymade municipality drain provided near proposed location.	Project Proponent has applied for NOC from drainage department for discharge of treated water. Copy of the same is enclosed as Annexure-VI .
7.	Exploring the possibility of treatment and usage of Roof Rain Water to minimise ground water usage.	Project Proponent confirmed that they will explore the possibility of roof rain water after primary treatment to minimize ground water. Details are enclosed as Annexure-VII .
8.	Traffic Density Study to be carried out for 10 years and report to be submitted.	Traffic Density Study Report for 10 years is enclosed as Annexure-VIII .
9.	Breakup percentage of green belt and landscape with detailed plan and layout.	The breakup percentage of green belt and landscape is as follows : <ul style="list-style-type: none"> ✓ Total green area is 1636.54 sqm (22.1 %) ✓ Green area on ground floor- 1104.28 sqm (14.91%) ✓ Green area on podium-532.26

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
		sqm (7.19%) Detailed landscape plan is enclosed as Annexure-IX .
10.	Proposal to increase the percentage of solar energy to 5% with detailed plan.	Details of increased percentage of solar energy to 5% with detailed plan is enclosed as Annexure-X .
11.	Details of rainwater harvesting proposed in the project and amount compensated towards water requirement/recharging as well.	Detailed are enclosed as Annexure-V & Annexure-VII .
12.	Detailed ECS calculation.	Detailed ECS calculation is enclosed as Annexure-XI .
13.	Status of building plan approval.	Project Proponent has applied for building plan approval. Copy of the same is enclosed as Annexure-XII . Once they get the approval letter, they will submit to the SEAC.
14.	Permission from Airport Authority for building height of 44.5 meter.	Project Proponent has applied for permission from Airport Authority. Copy of the same is enclosed as Annexure-XIII . NOC from AAI enclosed as Annexure-XIII A .

After detailed discussion, the Committee decided to take decision on the proposal after the visit by the Sub-Committee of SEAC to the project site.

(III) PROPOSAL FOR ENVIRONMENTAL CLEARANCE OF PROPOSED (G+9) AND (G+4) STORIED RESIDENTIAL-CUM-COMMERCIAL WITH MULTIPLEX BUILDING AT- MOUZA – BARAMUNDA, BHUBANESWAR, DIST-KHORDHA (BUILT UP AREA – 26,812.794 SQM) OF M/S. HARASHPRIYA CONSTRUCTIONS PVT LTD. (EC).

1. This is a proposal for Environmental Clearance of M/s. Harashpriya Constructions Pvt Ltd. for proposed proposal of (G+9) and (G+4) Storied Residential-cum-Commercial with Multiplex Building at- Mouza – Baramunda, Bhubaneswar, Dist-Khordha (Built up area ~ 26,812.794 sqm).
2. Residential-cum-Commercial with Multiplex Building of Sri Chetan Kumar Tekariwal GPA holder and Sri. Vaibhav Agarwal GPA holder and Harshpriya Construction Pvt. Ltd. Represented by director Sri Chetan Kumar Tekariwal over HAL PLOT NO.-1140, 1141, 1142, 1142/2350, 1143, 1146, 1147, 1138 & 1148, Mouza- Baramunda, Bhubaneswar, Dist-Khurda.
3. The proposed site is located at Baramunda, Bhubaneswar, Odisha. The Geographical coordinate of the project site is: Latitude - 20° 16' 18.08" N & Longitude - 85° 48' 16.49" E. The project site is well connected with National Highway NH-16. The nearest railway station is Bhubaneswar Railway station at a distance of approx 4.1 Km in East direction. The nearest airport is Biju Patnaik Airport at a distance of approx. 2.4 Km in East direction from project site.
4. Meteorology: The maximum temperature is about 38.0°C and the minimum temperature is 16.0°C felt in the area. The average annual rainfall in the area is 1326.16 mm.

5. The Building Details Of The Project:

Particulars	Proposed
Plot Area	7809.200 sqm
Ground Coverage	3135.373 sqm (40.15 %)
FAR (Floor Area Ratio)	2.446
Built up Area	25812.794 sqm
Maximum Height	30 m
Road Area	2647.32 sqm
Parking Area	7711.111 sqm
Green Belt Area	1590.0 sqm (20.35 %)
Maximum No. of Floor	G+9 and G+4
Power/Electricity Requirement & Sources	CESU - 1422.0 KW Solar - 45.0 KW Total - 1467.0 KW
No. of DG sets	2x500 KVA
Water requirement & Sources	115 KLD (Fresh)
Sewage Treatment & Disposal	STP of Capacity 180 KLD
Estimated Population	2350 nos.

6. Power Requirement: The daily power requirement for the proposed complex is preliminarily assessed as 1467 KW (Solar System- 45 KW & CESU - 1422 KW). 2 nos. of DG set having 500 KVA capacities for power back up in the Commercial-cum-Residential Building Project.
7. Water Requirement: Fresh make up of 115.0 m³/day will be required for the project which will be sourced from Ground water. Waste water of 146.15 KLD will be treated in a STP of capacity 180 KLD.
8. Rain Water will be harvested through 15 no. of recharging pits.
9. Firefighting Installations: Firefighting system will be installed as per recommendation of the Firefighting Officer, Odisha and as per the guideline of NBC (part-4).
10. Solid Waste Management: From the residential complex solid waste will be generated @ 0.4 kg/person/day, will be about 315 kg/day. Waste generated from Commercial people will be @ 0.15 kg/capita/day, which will be about 247.5 kg/day. Waste generation from floating people will be 7.0 kg/day. Solid waste shall be stored in separate garbage bin and send to approved recyclers. Around 73.1 kg/day of STP sludge will be generated.
11. The project cost is ₹ 70 Crores and the Environment Management Cost is ₹12.6 Lakhs
12. The Environment Consultant **M/s Centre for Envotech & Management Consultancy Pvt. Ltd., Bhubaneswar** along with the proponent made a detailed presentation on the proposal before the Committee on 25.09.2019.
13. The SEAC on its meeting held on 25.09.2019 decided to take decision on the proposal after receipt of following information / documents from the proponent followed by visit of Sub-Committee of SEAC to the proposed site.
14. The Sub-Committee of SEAC conducted site visit on 23rd Oct 2019. The Sub-Committee has observed the following:
 - a) The proponent has to submit a revised layout having two separate gates, one for the entrance and exit of residential owners and the other for commercial & multiplex users to avoid rush and conflict.
 - b) The space between the front boundary wall & the 4 lane road belong to Govt. In case of road widening or more lanes in future, the buffer space between the complex and the road will significantly reduce and may result in severe traffic congestion.
 - c) Both residential and commercial multiplex Complex and the education institution around are most likely to create traffic congestion. So decision may be taken after

the traffic density study projecting into 10years future from the date of commission of the project, taking in to account the public, students, residents of the Complex.

15. The SEAC in its meeting held on 19.11.2019 decided to take decision on the proposal after receipt of the information / documents / clarification on the observation made by the sub-Committee of SEAC during the visit on 23.10.2019 in addition to information / documents / compliances sought by SEAC vide letter no. 300 (3), dated 14.10.2019.
16. The project proponent has furnished compliances as desired by the committee on dated 04.12.2019 and same has been verified as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
1	Copy of BDA approval letter	BDA has provisionally approved the Building plan. The letter is attached in Annexure-1 .
2	Copy of land schedule and conversion of land	Copy of land schedule is attached in Annexure-2 .
3	Khatyan of land from Tahasildar mentioning the zone	The proposed project site is coming under Residential use zone as per BDA. Copy of CDP is attached in Annexure-3 .
4	Detailed calculation of Residential. Built up area and Commercial Built up area	Total Built up area for Residential Building is 12354.489 sqm and Commercial Building is 6347.253 sqm. Detailed floor wise built up area is attached in Annexure-4 .
5	Parking Area calculation apartment wise	Parking Area Required for Residential apartment is 3811.17 sqm. Parking Area Required for Commercial building is 3173.63 sqm. Total Parking Area required is 6984.8 sqm. Total Parking Area provided is 7711.11 sqm. Detail calculation is attached in Annexure-5 .
6	Provision for electric point at each and every parking location for e- vehicle charging etc.	Electric point will be provided at each and every parking location for e-vehicle charging.
7	Provision for 2 separate entries and exits i.e. one for residential and other for commercial and accordingly, revised layout to be submitted	2 separate entries and exists will be provided for Residential & Commercial building. Layout map is attached in Annexure-6 .
8	Traffic Density Study to be carried out by Operational Research (OR) expert and report to be submitted	Traffic study report is attached in Annexure-7 . The SEAC observed that the Traffic Density Study is not done by OR Expert, which is most reliable method.
9	Percentage of Green Belt in the project area	Total land area is 7809.200 sqm. Total green belt area is 1590.0 sqm. Percentage of Green belt is 20.35 %.
10	Copy of PH Division water supply, Bhubaneswar regarding supply of water to that proposed project	PH letter is attached in Annexure-8 .

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
11	Copy of application applied to State Water Resources Deptt. for drawal of ground water and NoC from CGWA of MoWR, Govt. of India	NoC has been received from CGWA and copy is attached in Annexure-9. We will apply to Water Resource Deptt. For approval before construction of proposed building.
12	Copy of BMC permission letter for discharge of treated water to municipality drain	We have already applied to Bhubaneswar Municipal Corporation (BMC) for permission of Discharge storm water in Municipal Drain. Application copy is attached in Annexure-1 .
13	An undertaking from proponent for usage of PH Division water supply at later stage	An Undertaking is attached in Annexure-10 .
14	Proposal for monitoring of STP waste water periodically	We have provided 180 KLD Sewage Treatment Plant of FAB Technology for treatment of waste water and also provision for monitoring of waste water on monthly basis.
15	Study of wind direction in that area	Meteorological data was collected from project site during one year, i.e. 2018. In this period, predominantly wind flows from South direction near the project site. Wind rose diagram is attached in Annexure-11 .
16	Reference taken for study of traffic density	Reference has been taken from IRC (Indian Road Congress). Details traffic density calculation is given in Annexure-7 . The SEAC observed that the Traffic Density Study using IRC method is not very clear and the basis for projection from 2020 to 2024 should be made explicit. Further, as per the recommendation of sub-Committee of SEAC, the projection should have been made for 10 years instead of 5 years.
17	Recalculation of energy consumption for each apartment with provision of Air Conditioner in each bed room and living room	We will provide Air Conditioner to each bed room and living room. Total Power requirement is 1798 KW. Detail energy calculation is given in Annexure-12 .
18	Proper periodically maintenance of Rain Water harvesting System and increment of Recharging pits to 20 nos.	Total 21 nos. of Rain water harvesting pit will be provided to proposed building. Detail proposal for Rain water harvesting is attached in Annexure-13 .
19	Proposal to increase the percentage (5%) of usage of solar/renewable energy	Total power requirement of the project is 1798 KW. Total power from Solar is 97.6 KW. Percentage of Solar energy = 5.4 % Details given in Annexure-14 .
20	Copy of permission of Airport Authority of India	Airport letter is attached in Annexure-15 .

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
21	Revised water balance for discharge of less treated water to drain	Water Balance is attached in Annexure- 16.

17. The SEAC in its meeting held on 07.12.2019 recommended to consider Environmental Clearance for the project after the project proponent furnishes certain information / documents. The project proponent furnished the compliance and the SEAC verified the same as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
(i)	Traffic Density Study is not done by OR Expert, which is most reliable method. Traffic Density Study to be carried out by Operational Research (OR) expert and report to be submitted.	Traffic Study Report vetted by Indian Institute of Technology (IIT) Bhubaneswar has been furnished.
(ii)	The Traffic Density Study using IRC method is not very clear and the basis for projection from 2020 to 2024 should be made explicit. Further, as per the recommendation of sub-Committee of SEAC, the projection should have been made for 10 years instead of 5 years.	Traffic Study Report vetted by Indian Institute of Technology (IIT) Bhubaneswar has been furnished.

18. The SEAC on its meeting held on 07.02.2020 concluded that the proponent has not fully complied the information sought by SEAC in its meeting held on 07.12.2019. The traffic density study report prepared earlier has been vetted by an expert from IIT, Bhubaneswar. The committee appreciates the effort. However, as suggested earlier the report be prepared an operation Research Expert; to be submitted within one month.

19. Now the project proponent had furnished the Traffic density Study report by Indian Institute of Technology (IIT) Bhubaneswar on 18.02.2020.

The Committee observed that no OR study is found to have been undertaken despite repeated suggestions. However, it is stated by IIT, Bhubaneswar in their letter dated 18.02.2020 that guidelines of Traffic Operation Research Expert have been considered while following latest IRC standards.

In light of the above, it is recommended to grant Environmental Clearance for the project valid for a period of 7 years subject to a condition that the Bhubaneswar Development Authority shall seek a detailed specific report of Operation Research (OR) Expert before giving the final building plan approval in addition to the conditions stipulated in **Annexure - D.**

(III) PROPOSAL FOR ENVIRONMENTAL CLEARANCE FOR PROPOSED CONSTRUCTION OF B+G+6 MULTISTORIED RESIDENTIAL APARTMENT BUILDING LOCATED AT GHATIKA, DIST - BHUBANESWAR, STATE-ODISHA WITH TOTAL BUILT UP AREA - 24273.99 SQM OF M/S ALTRADE CONSTRUCTION PVT LTD (EC)

1. This is a proposal for Environmental Clearance for construction of B+G+6 Multistoried apartment by Altrade Construction Pvt. Ltd., Bhubaneswar over an area of 1.80 acres Ghatikia at Bhubaneswar of M/s Altrade Construction Pvt. Ltd. with total built-up area of 24273.99 m² (EC).
2. The project area of M/s Altrade Constructions Pvt. Ltd. is 1.8 acres bearing plot no- 4363, 4365/9551 & 4366 and Khata No-1988/9 in village - Ghatikia, P.S- Chandaka,

Bhubaneswar. The area is located in Survey of India Toposheet No. 73H/15. The project site is connected by 18.3 m wide road connected to Ghatikia main road. The Geographical co-ordinate of the project site is: Latitude ~ 20°16'12.08"N & Longitude - 85°46'35.52"E. The project site is well connected with National Highway NH-16 at a distance of approx 2.88 Km.

3. The project got approval from Bhubaneswar Municipality Corporation vide letter no. 0749/CSC, dated 22.02.2017 for Construction of "B+G+6 Multi storied residential apartment, plot no. 4364, 4365/9551 & 4366, Khata No. 1988/9 Mz. Ghatikia, P.S. Chandaka, Bhubaneswar.

4. The Building Details Of The Project:

Particular	Proposed
Project Name	Proposed Construction of B+G+6 Multistoried Residential Building
Plot Area	7284.34 m ² (1.8 Acres)
Ground Coverage	2643.85 m ² (36.29 %)
FAR (Floor Area Ratio)	2.23
Built up Area	24273.99 m ²
Maximum Height	20.95 m
Basement Parking Area	5478.89 m ²
Total Parking Area	5478.89 m ²
Green Belt Area	1717.19 m ² (23.57 %)
Maximum No. of Floor	B+G+6
Power/Electricity Requirement & Sources	Total - 958 KW Solar - 10.04 KW CESU - 947.96 KW
No. of DG sets	1x380 KVA
Water requirement & Sources	62.0 KLD (Fresh)
Sewage Treatment & Disposal	STP Capacity 100 KLD
Estimated Population- Residential, Commercial, Floating/visitors	Residential Apartment - 108 EWS Apartment - 42 Estimate Population - 666

5. REQUIREMENT FOR THE PROJECT:

(i) **Power requirement:**

The daily power requirement for the proposed complex is preliminarily assessed as 958 KW (Solar System- 10.04 KW & CESU ~ 947.96 KW). In order to meet emergency power requirements during the grid failure, there is provision of 1 no. of DG set having 380 KVA capacities for power back up in the Residential Building Project. For energy conservation, there will be 75 nos. of Solar Lighting poles (@72 Watt) has been proposed for Street & common area solar lighting.

So, Energy conservation by using Solar Street Lighting = 75 x 72 = 5400 watt = 5.4 KW

Energy conservation by using Solar lighting for common area = 4.64 KW

Total Energy Conservation = (4.64+5.4) KW = 10.04 KW

Total Energy saving = 10.04/958 = 0.0104 x 100 = 1.04 %

(ii) **Water requirement:**

Fresh make up of 62.0 m³/day will be required for the project which will be sourced from Ground water. Waste water of 79.0 KLD will be treated in a STP of 1080 KLD capacity, which includes primary, secondary and tertiary treatment. After treatment the treated water will be discharge to the Municipal Drain.

Rain Water will be harvested through 10 no. of recharging pits.

(iii) **Firefighting Installations:**

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

(iv) **Green Belt Development:**

Green belt will be developed over an area of 1717.19 sqm which is 23.57 % of the plot area; by using the local species like Radhachuda, Nageswar, Akash Neem, Ashok, Polanga, Karang, Bela, Pijilu, Kaniara, Tagar, Hena, etc.

(v) **Solid Waste Management:**

From the residential complex solid waste in form of food waste from kitchen and miscellaneous waste will be generated @ 0.45 kg/person/day, which will be about 299.7 kg/day. The generated solid waste from the residential complex will be segregated as biodegradable and non-biodegradable. This will be collected in separate coloured bins. Proper waste management practices will be adopted during the collection, storage and disposal of the generated solid waste and construction and demolition waste.

Solid waste from sweeping and Dry Garbage containing non-biodegradable wastes like polythene bags, metal, ceramic Waste, glass etc. shall be stored in separate garbage bin and send to approved recyclers.

Around 36.0 kg/day of STP sludge will be generated. As sewage sludge contains many elements essential to plant life, such as nitrogen, phosphorous, potassium, and in addition, at least traces of minor nutrients which are considered more or less indispensable for plant growth, such as boron, calcium, copper, iron, magnesium, manganese, sulphur and zinc. The sludge humus, besides furnishing plant food, benefits the soil by increasing the water holding capacity, thus making possible the working of heavy soils into satisfactory seed beds. Sludge will be used as manure in landscaping.

S. No.	Category	Counts (heads)	Waste generated (kg/day)
1.	Residents	666 @ 0.45 kg/day	299.7
2.	Floating Population	67 @ 0.15 kg/day	10.05
3.	STP sludge		36.0
TOTAL SOLID WASTE GENERATED			345.75 kg/day

6. **Estimated Project cost:**

Total Capital Cost = ₹ 15.73 Crores

Environment Management Cost = ₹ 1.48 Lakhs

7. The Environmental Clearance for the proposal was rejected earlier and communicated to the proponent as no feasible waste water discharge system do exist at the proposed site.
8. Now the project proponent has submitted fresh EC proposal with revised plan for discharge of waste water at the proposed site.
9. The consultant M/s Centre for Envotech & Management Consultancy Pvt. Ltd., N-5/305, IRC Village, Bhubaneswar along with the proponent have made a detailed presentation on the proposal.

10. The SEAC in its meeting held on 27.11.2019 decided to take decision on the proposal after the proponent submits the following information/ documents followed by visit of Sub-Committee of SEAC to the proposed site.
- (a) Proposal to increase the percentage of Solar/ renewable energy to 5% with detailed plan.
 - (b) Undertaking by the Sewerage Board to complete 250 mm dia sewer line within span of 3 years which is proposed to be laid along with Paikarapur-Naka Gate Square road and they will connect the said sewer line to the drain of the proposed project.
 - (c) Discharge of treated water to municipality drain should be reduced by increasing usage of the treated water in green belt plantation and car washing. Detailed proposal to this effect to be submitted.
 - (d) Provision for electric point at each and every parking location for e- vehicle charging etc. shall be provided. An undertaking to this effect to be submitted.
 - (e) Detailed water balance.
11. The Sub-Committee of SEAC conducted site visit on 21.12.2019. The site visit report of the Sub-Committee of SEAC is enclosed as **Annexure – E**.

After detailed discussion, SEAC decided to take decision on the proposal after receipt of the information / documents / clarification on the observation made by the sub-Committee of SEAC during the site visit on 21.12.2019 in addition to information / documents / compliances sought by SEAC vide letter no. 414 (2), dated 10.12.2019.

(IV) PROPOSAL FOR ENVIRONMENTAL CLEARANCE OF ENHANCEMENT IN PRODUCTION OF GRAPHITE ORE FROM 1047 TPA TO 15162 TPA PRODUCTION OF 4466 TPA SUB-GRADE ORE AND INSTALLATION OF BENEFICATION PLANT OF 20000 TPA CAPACITY OVER AN AEA OF 26.228 HA AT VILLAGE-MENKAMUNDA, TEHSIL- PAIKAMAL, DISTRICT- BARGARH OF M/S MENKAMUNDA GRAPHITE ORE MINES - REGARDING SUBMISSION UNDER VIOLATION CASE (TOR)

1. The proposal is for Terms of Reference for enhancement in production of graphite ore from 1047 TPA to 15162 TPA production of 4466 TPA sub-grade ore and installation of beneficiation plant of 20000 TPA capacity over an area of 26.228 ha at Village-Menkamunda, Tehsil- Paikamal, District- Bargarh of M/s. Menkamunda Graphite ore Mines.
2. The ML area is located in village Menkamunda, Tehsil – Paikamal, Dist. Baragarh, Odisha and situated in Toposheet no. 64 L/4 with Latitude 20° 44' 17" to 20° 44' 29" N and Longitude 82° 44' 00" to 82° 44' 20" E, The nearest town is Paikamal and nearest railway station is Nuapada.
3. The project obtained approved ToR from SEAC, Odisha vide letter no. 126/SEAC-12 dated 06.12.2012 and the EIA study was conducted based on the approved ToR.
4. Baseline study for the project was carried out during March to May 2013.
5. The public hearing of the said project has been conducted on 21.12.2014 and the final EIA along with public hearing proceeding was submitted for Environmental Clearance to SEIAA, Odisha.

6. The project was considered for EC on 22.06.2015 at SEAC, Odisha and during the meeting the case of violation was pointed out.
7. As per the State Expert Appraisal Committee, Odisha as the mining activity of Menkamunda graphite mining is being continued after EIA, Notification, 2006 without obtaining prior environmental clearance from SEIAA, it is a case of violation to Environmental (Protection) Act, 1986.
8. As per SEIAA letter no. 848/SEIAA dated 29.02.2016, in compliance to O.M. No. J-11-13/41/2006-IA.II(I) dated 12.12.2012 and 27.06.2013, directions are issued under section 5 of the Environment (protection) act, 1986.
9. Further SEIAA letter no. 2819/SEIAA dated 15.04.2017, SEIAA instructed for online application under violation case as per MoEF&CC notification 14th March 2017.
10. Further the application for EC under violation case was submitted to EAC, New Delhi as per MoEF & CC, OM dated 14.03.2017 and with reference to MoEF & CC, OM dated 15.03.2018 the project has been transferred to SEIAA, Odisha for further appraisal.
11. Total Geological and mineable reserve in the ML area is 233375 T & 221706 T respectively. The life of mine is 11 years. The proposed rate of production is upto maximum of 15,162 TPA and the life of mine with present rate of production will be 16 years. The grade of graphite from the lease area varies from 5 -8% F.C. During the plan period 10784 Cu.m of top soil and 102160 Cu.m of waste will be generated. The top soil generated will be utilized for plantation and waste generated will be dumped separately and used for backfilling, road construction work. Nature of waste is mostly Khondalite.
12. The water requirement for the project will be 5500 liters per day. The mine will create employment opportunity for 40 personnel.
13. During the proposed plan period the mining activity will continue by semi mechanized method with occasional drilling and blasting where hard rock area found. The height of the bench is 4m, width of the bench is 5m and angle of the slope is 60°. The slope of the quarry is 37½ ° from horizontal. The waste rock stacked separately on the barren ground. Occasional drilling and blasting will be required to loosen the rock.
14. The primary base line data i.e Ambient air quality, Noise quality, Surface and ground water quality and soil quality has been monitored and analysed by Min Mec R&D Laboratory, New Delhi for the period of March to May 2013.
15. The public hearing for the project was conducted on 21.12.2014.
16. The total cost of project is 2.00 crores, and environmental control measures cost is Rs.11.49 lacs. The total recurring costs per annum, excluding man power cost, works out to be Rs 6.13 lacs.
17. The project proponent along with the consultant **M/s Kaiyani Laboratories Pvt. Ltd., Plot No.: 78/944, Pahala, Bhubaneswar -752101** made a detailed presentation on the proposal.
18. SEAC on its meeting held on Dt: 19.10.2019 noted that the proponent has continued mining activity in Menkamunda graphite ore mines without obtaining Environmental Clearance under EIA Notification, 2006. The SEAC, after detailed deliberations on the proposal in terms of the provisions of the MoEF&CC, Govt. of India Notification dated 14th March, 2017, confirmed the case to be of violation of the EIA Notification, 2006 and

- (vii) In processed plant, safe disposal of slurry left shall be planned by project proponent in EMP to be executed during operational period.
- (viii) Detailed design of storage and management of tailings/sludge etc.
- (ix) They must submit the layout/ design & location for dumping of residues to be generated during the process of beneficiation.
- (x) Other recommendations will follow on receipt of laboratory Test report on the above samples collected.

After detailed discussion, the SEAC decided to take decision on the proposal after receipt of laboratory test report on the samples collected by the Sub-Committee of the SEAC.

(V) PROPOSAL FOR ENVIRONMENTAL CLEARANCE FOR TWO BLOCKS OF (B+G+13) & TWO BLOCKS OF B+G+9) MULTISTORIED AND ONE BLOCK OF (G+6) EWS RESIDENTIAL APARTMENT BUILDING AT KORADAKANATA & JHARAPADA, BHUBANESWAR OF M/S. PREMSHREE REAL ESTATE PVT. LTD WITH TOTAL BUILT UP AREA 34862.14 M² (EC).

1. The proposed site is located at Koradakanta, Jharapada, Bhubaneswar, Odisha. The Geographical co-ordinate of the project site is: Latitude - 20°16' 47.6" N & Longitude - 85° 52' 25.3" E. The project site is well connected through National Highway NH-203 Cuttack-Puri Bypass road is just nearby the project site. The nearest railway station is Bhubaneswar Railway station at a distance of approx 3.6 Km in South West direction. The nearest airport is Biju Patnaik Airport at a distance of approx. 7.0 Km in South West direction from project site.
2. The proposed project site is coming in Plot No. 566 (P), 295 (P), 294 (P), Mouza- Koradakanta & Plot No. 2182 (P), Mouza- Jharpada, Bhubaneswar. The maximum temperature is about 36.0° C and the minimum temperature is 16.0° C felt in the area. The average annual rainfall in the area is 1447.5 mm.
3. The building detail of the project is as follows:

Particular	Name/Area (sqm)	Permissible	Proposed
Project Name	Residential Apartment at Koradakanta, Odisha.	--	--
Name of the Activity	Two Blocks of (B+G+13) & Two Blocks of (B+G+9) Multistoried And One Block of (G+6) EWS Residential Apartment Building	--	--
Plot Area	12677.33 sqm	12677.33 sqm	12677.33 sqm
Permissible Ground Coverage @ 30 % of the total plot area	--	3803.19 sqm	-
Proposed Ground Coverage @ 27.83 %	--	--	3528.51 sqm
Permissible FAR @ 2.75	--	34862.67 sqm	--
Proposed FAR @ 2.75	--	--	34862.67 sqm
Built up Area	--	--	34862.67

- (vii) In processed plant, safe disposal of slurry left shall be planned by project proponent in EMP to be executed during operational period.
- (viii) Detailed design of storage and management of tailings/sludge etc.
- (ix) They must submit the layout/ design & location for dumping of residues to be generated during the process of beneficiation.
- (x) Other recommendations will follow on receipt of laboratory Test report on the above samples collected.

After detailed discussion, the SEAC decided to take decision on the proposal after receipt of laboratory test report on the samples collected by the Sub-Committee of the SEAC.

(V) PROPOSAL FOR ENVIRONMENTAL CLEARANCE FOR TWO BLOCKS OF (B+G+13) & TWO BLOCKS OF B+G+9) MULTISTORIED AND ONE BLOCK OF (G+6) EWS RESIDENTIAL APARTMENT BUILDING AT KORADAKANATA & JHARAPADA, BHUBANESWAR OF M/S. PREMSHREE REAL ESTATE PVT. LTD WITH TOTAL BUILT UP AREA 34862.14 M² (EC).

1. The proposed site is located at Koradakanta, Jharapada, Bhubaneswar, Odisha. The Geographical co-ordinate of the project site is: Latitude - 20°16' 47.6" N & Longitude - 85° 52' 25.3" E. The project site is well connected through National Highway NH-203 Cuttack-Puri Bypass road is just nearby the project site. The nearest railway station is Bhubaneswar Railway station at a distance of approx 3.6 Km in South West direction. The nearest airport is Biju Patnaik Airport at a distance of approx. 7.0 Km in South West direction from project site.
2. The proposed project site is coming in Plot No. 566 (P), 295 (P), 294 (P), Mouza- Koradakanta & Plot No. 2182 (P), Mouza- Jharpada, Bhubaneswar. The maximum temperature is about 36.0° C and the minimum temperature is 16.0° C felt in the area. The average annual rainfall in the area is 1447.5 mm.
3. The building detail of the project is as follows:

Particular	Name/Area (sqm)	Permissible	Proposed
Project Name	Residential Apartment at Koradakanta, Odisha.	--	--
Name of the Activity	Two Blocks of (B+G+13) & Two Blocks of (B+G+9) Multistoried And One Block of (G+6) EWS Residential Apartment Building	--	--
Plot Area	12677.33 sqm	12677.33 sqm	12677.33 sqm
Permissible Ground Coverage @ 30 % of the total plot area	--	3803.19 sqm	-
Proposed Ground Coverage @ 27.83 %	--	--	3528.51 sqm
Permissible FAR @ 2.75	--	34862.67 sqm	--
Proposed FAR @ 2.75	--	--	34862.67 sqm
Built up Area	--	--	34862.67

Particular	Name/Area (sqm)	Permissible	Proposed
			sqm
Maximum Height	--	--	42 m
Road Area (40.21 %)	--	--	5097.65 sqm
Open Parking Area (7.7 %)	--	--	978.49 sqm
Basement Parking	--	--	9381.78 sqm
Stilt Parking	--	--	533.36 sqm
Total Parking (30 % of Built up Area)	--	10458.64 sqm	10893.63 sqm
Green Area (20 %)	--	2535.46 sqm	2539.46 sqm
Maximum No. of Floor	--	--	B+14
Power/Electricity Requirement & Sources	CESU of Odisha State Electricity Board	--	1233.7 KW
No. of DG sets	--	--	1 x 750 KVA DG
Water requirement & Sources	Ground Water Supply	--	94.0 KLD
Sewage Treatment & Disposal	--	--	STP Capacity - 140 KLD
Estimated Population- Residential, Floating/visitors	--	--	1111

4. REQUIREMENT FOR THE PROJECT:

Power requirement:

The daily power requirement for the proposed complex is preliminarily assessed as 1233.7 KW source from CESU of Odisha State Electricity Board. In order to meet emergency power requirements during the grid failure, there is provision of 1 no. of DG set having 750 KVA capacities for power back up in the Residential Building Project.

For energy conservation, there will be 65 nos. of Solar Lighting poles (@72 Watt) has been proposed for Street & common area solar lighting, so

Energy conservation by using Solar Street Lighting = $65 \times 72 = 4680 \text{ watt} = 4.7 \text{ KW}$

Energy conservation by using Solar lighting for common area = 65 KW

Total Energy Conservation = $(65 + 4.7) \text{ KW} = 69.7 \text{ KW}$

Total Energy saving = $69.7/1233.7 = 0.0564 \times 100 = 5.6 \%$

Water requirement:

Fresh make up of 94.0 m³/day will be required for the project which will be sourced from Ground water or PHD Supply. Waste water of 122.2 KLD will be treated in a STP of 140 KLD capacity, which includes primary, secondary and tertiary treatment. After treatment the treated water will be discharge to the Gangua Nalla.

Rain Water will be harvested through 23 nos. of recharging pits.

Fire fighting Installations:

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

Green Belt Development:

Green belt will be developed over an area of 2535.46 sqm which is 20.0 % of the plot area; by using the local species like Bara gachha, Nageswar, Neem, Ashok, Polanga, Jamu, Bela, Pijitu, Kaniara, Tagar, Heena, etc.

Solid Waste Management:

From the residential complex solid waste in form of food waste from kitchen and miscellaneous waste will be generated @ 0.4 kg/capita/day, which will be about 1010 x 0.4 = 404 kg/day. The generated solid waste from the residential complex will be segregated as biodegradable and non-biodegradable. This will be collected in separate coloured bins. Proper waste management practices will be adopted during the collection, storing and disposal of the generated solid waste.

Waste generation from road sweeping will be $101 \times 0.1 = 10.1$ kg/day. Solid waste from sweeping and Dry Garbage containing non biodegradable wastes like polythene bags, metal, ceramic Waste, glass etc. shall be stored in separate garbage bin and send to approved agency for final disposal.

Around 56 kg/day of STP sludge will be generated. As sewage sludge contains many elements essential to plant life, such as nitrogen, phosphorous, potassium, and in addition, at least traces of minor nutrients which are considered more or less indispensable for plant growth, such as boron, calcium, copper, iron, magnesium, manganese, sulphur and zinc. The sludge humus, besides furnishing plant food, benefits the soil by increasing the water holding capacity, thus making possible the working of heavy soils into satisfactory seed beds. Sludge will be used as manure in landscaping.

Sl. No.	Category	Counts (heads)	Waste generated (kg/day)
1.	Residents	1010 @ 0.4 kg/day	404
2.	Road sweeping	101 @ 0.1 kg/day	10.1
3.	STP sludge		56
Total Solid Waste Generated			470.1 kg/day

5. Estimated Project cost:

Total Capital Cost = ₹ 45 Crores

Environment Management Cost = ₹ 105 lakhs

- The consultant M/s Centre for Envotech & Management Consultancy Pvt. Ltd., N-5/305, IRC Village, Bhubaneswar along with the proponent made a detailed presentation on 01.09.2017. The SEAC decided to take decision on the proposal after receipt certain information / documents.
- The SEAC also decided that the proposed site to be visited by sub-committee of SEAC to verify the drainage network of the proposed site.
- The proposed site was visited by the Sub-Committee of SEAC on 22.11.2017. The sub-Committee recommended to submit certain information / documents for consideration of the proposal.
- The proponent was requested to furnish the following information / documents as per the presentation meeting held on 01.09.2017 and site visit report of the sub-committee of SEAC. The proponent furnished some of the information / documents.
 - Drainage system of the area and final discharge point.

- (ii) Water quality of Gangua Nallah if the waste water to be discharged to Gangua nallah.
 - (iii) Permission status of concerned authority for discharge of waste water to Gangua nallah.
 - (iv) Solid Waste Management Plan as per Solid Waste Rules, 2016.
 - (v) Proposal for organic waste converter for disposal of organic waste.
 - (vi) In between the culvert on National Highway and the Gangua Nallah there is a distance of 0.5 km. The storm water naturally flows over such stretch of land. It is not known whether such land stretch is private or Govt. land. The status of land of that stretch is to be furnished.
 - (vii) The master plan of BDA for the area may be submitted which is necessary to ensure that the discharged treated water falls into Gangua Nallah.
 - (viii) Area under tree / plantation shall be clearly shown in the layout map with number of plants (tree species) to be planted and submitted.
10. The MoEF&CC, Govt. of India notification vide S.O. 5733 (E), 14th Nov, 2018 stipulates that local bodies such as Municipalities, Development Authorities, District Panchayats shall stipulate environmental conditions while granting building permission in respect of building or construction projects with built-up area >20,000 m² to 50,000 m² and industrial sheds, educational institutions, hospitals and hostels for educational institutions 20,000 m² upto 1,50,000 m².
 11. The MoEF&CC, Govt. of India notification vide S.O. 5736 (E), 15th Nov, 2018, exempted Environmental Clearance for building and construction project < 50, 000 m² and industrial sheds, educational institutions, hospitals and hostels for educational institutions < 1,50,000 m².
 12. The proponent had requested to consider the proposal as per MoEF&CC, Govt. of India notification dated 15th November, 2018.
 13. The SEAC in its meeting held on 03.12.2018 opined that Environmental Clearance is not required for this project as per the MoEF & CC, Govt. of India notification vide S.O. 5736 (E), 15th Nov, 2018 as the total builtup area is < 50, 000 m² . Hence, proposal was returned to SEIAA.
 14. Moreover, the Hon'ble NGT, Principal Bench, New Delhi in O.A. No. 1017/2018, dated 03.12.2018 has stayed the above notifications of MoEF&CC, Govt. of India.
 15. The SEAC in its meeting held on dated 13.12.2018 recommended that the SEIAA, Odisha may consider to request the MoEF&CC, Govt. of India regarding the operational part of the above notifications of MoEF&CC, Govt. of India in view of directions of Hon'ble NGT, Principal Bench, New Delhi before taking a decision on the proposals under the above category.
 16. During the last meeting of SEIAA held on 05.04.2019, the authority had decided to send the building and construction projects under above category to SEAC, Odisha for appraisal as per the OM No. 3-150/2017-IA-III dated 03.04.2018. This decision of SEIAA, Odisha was communicated by the SEIAA office to SEAC office vide letter no. 6621/SEIAA, dated 17.04.2019.
 17. The SEAC decided to appraise building and construction projects of above category as per above decision of the SEIAA, Odisha.

18. The SEAC verified the information / documents furnished by the proponent as per para-9 and observed the following :

Sl. No.	Clarification sought	Compliance furnished by the proponent
(i)	Drainage system of the area and final discharge point.	Master plan along with final discharge point of the Gangua Nallah has been furnished.
(ii)	Water quality of Gangua Nallah if the waste water to be discharged to Gangua nallah.	Water quality of the Gangua Nallah has been furnished.
(iii)	Permission status of concerned authority for discharge of waste water to Gangua nallah.	PHED letter for water and sewerage discharge has been furnished.
(iv)	Solid Waste Management Plan as per Solid Waste Rules, 2016.	Solid Waste Management Plan has been furnished.
(v)	Proposal for organic waste converter for disposal of organic waste.	Proposal for organic waste converter for disposal of organic waste has been furnished.
(vi)	In between the culvert on National Highway and the Gangua Nallah there is a distance of 0.5 km. The storm water naturally flows over such stretch of land. It is not known whether such land stretch is private or Govt. land. The status of land of that stretch is to be furnished.	Stretch land belongs to Government.
(vii)	The master plan of BDA for the area may be submitted which is necessary to ensure that the discharged treated water falls into Gangua Nallah.	Treated water to be discharged to Gangua Nallah. Drainage plan and Master plan of the BDA has been furnished.
(viii)	Area under tree / plantation shall be clearly shown in the layout map with number of plants (tree species) to be planted and submitted.	Total greenbelt area is 2535.46 m ² (20% of the total plot area). Layout plan has been furnished along with list of tree species.

19. The SEAC on its meeting held on 27.04.2019 observed that most of the members in the SEAC are new and not aware about the project. Therefore, Committee decided to ask the proponent to make a presentation on compliance furnished for consideration of their proposal.

20. The Environment consultant **M/s Centre for Envotech & Management Consultancy Pvt. Ltd., N-5/305, IRC Village, Bhubaneswar** along with the proponent made a presentation on 20.07.2019 on compliance furnished. The SEAC decided to take decision on the proposal after receipt of following information / documents from the proponent.

- (i) In case drainage passes through the private land, the ownership of the land in favour of the proponent is to be submitted and in case it passes through Govt. land, the drainage plan / map need to be endorsed / validated by BDA.

21. The project proponent has furnished compliances as desired by the committee vide letter no: 170 dated 28.10.2019 as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of the SEAC
1.	In case drainage passes	Affidavit copy submitted for	The drainage map has not

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of the SEAC
	through the private land, the ownership of the land in favour of the proponent is to be submitted and in case it passes through Govt. land, the drainage plan / map need to be endorsed / validated by BDA.	ownership of land in favour of the proponent and Drainage map validated by BDA	been validated by BDA. No stamp / signatory on the map is available.

22. SEAC on its meeting held on dated 19.11.2019 decided to take decision on the proposal after the proponent submits the following:

a) The drainage plan / map need to be endorsed / validated by BDA.

23. Now the project proponent had requested for conditional EC vide letter no: 173, dated 16.12.2019 as the concerned official of BDA would validate/endorse the drainage plan/ map after receiving the Environment Clearance for the said proposal.

Considering the information furnished and the presentation made by the consultant, **M/s Centre for Envotech & Management Consultancy Pvt. Ltd., N-5/305, IRC Village, Bhubaneswar** along with the project proponent, the SEAC recommended for grant of Environmental Clearance valid for a period of 7 years with following condition in addition to the conditions stipulated in **Annexure – F**.

(a) The project proponent shall submit the drainage plan / map duly vetted by officials of BDA within 3 months from date of issue of the Environmental Clearance, failing which Environmental Clearance shall be withdrawn.

(VI) PROPOSAL FOR ENVIRONMENTAL CLEARANCE OF M/S SRI KRISHNA ESTATE CONSTRUCTION PVT. LTD. FOR PROPOSED CONSTRUCTION OF KRISHNA LAKSHMI ARCADE RESIDENTIAL APARTMENTS AT VILLAGE - JHARPADA, BHUBANESWAR, DISTRICT - KHORDHA WITH TOTAL BUILT-UP AREA - 53260.36 M². OF SRI PABITRA ROUTRAY – EC.

1. The proposal is for Environmental Clearance of M/s Sri Krishna Estate Construction Pvt. Ltd. for proposed construction of Krishna Lakshmi Arcade Residential Apartments at Village - Jharpada, Bhubaneswar, District - Khordha with total built-up area - 53260.36 m² of Sri. Pabitra Routray.

2. The category of the project is 8(a) as per EIA Notification, 2006 & its amendments.

3. The proposed site is located at Khata No. 610, Plot No. 328/2550, 329, 328, 328/2551, 328/2552, 323, 277/2710, 317, 318, 331/2713, 330, Khata No. 634, Plot no 328/2549, Khata No. 101, Plot No. 328/2711, 323/2712, 328/2715, 227; Khata No. 928/3236, Plot No. 333/6252, Khata No. 928/3063, Plot No. 338, Khata No. 244, Plot No 327, 326, Khata No 245, Plot No 329, Khata No 928/2891, 322, 321, Khata No 33, Plot No 319, Khata No 905, Plot No 331, Jharpada Village, Bhubaneswar, Khordha District, Odisha.

4. The geographical co-ordinate of the project site is: Latitude – 20° 16' 35.9" N & Longitude - 85° 51' 50.1" E which falls under Topo sheet No- 73H/15 and 73H/16. The project site is well connected with National Highway NH- 316 at a distance of approx 1.0 Km in West direction. The nearest railway station is Bhubaneswar Railway station at a distance of approx. 2.7 Km. The nearest airport is Biju Patnaik Airport at a distance of approx. 5.3 Km

from project site. Nearest canals are Daya Canal – 0.2 km and Puri Main Canal – 2.8 km. Nearest Nala is Gangua Nala – 0.6 km. Nearest rivers are Bhargabi River – 2.0 km. and Kushabhadra Nadi – 3.7 km.

5. **Meteorology:** The maximum temperature is about 36.0 0C and the minimum temperature is 16.0 0C felt in the area. The average annual rainfall in the area is 1326.16 mm.
6. The Total Plot Area is 22411.50 m², Drain affected area is 306.23 m² and the Net plot area is 22105.27 m². The total Project built up area is 53260.36 m² (Block-A,B,C,D: Basement + Ground + 4 Floors, Block E,F (Club House) with Basement + Stilt +Ground + 4 Floors). Residential Apartments are 426 Flats.
7. The Building Details Of The Project:

Sl. No.	Area Description	Area (m ²)
1	Total Plot Area	22411.50
2	Proposed FAR Area	42480.64
3	Proposed Non-FAR Area	12435.72
4	Total Area	53260.36
5	Green Area	8505.72 (840 nos. plants proposed)
6	Height of the Building	14.75 mts.
	Block Details (No. of floors)	Built-up Area of Floors in m²
7	Block A (B+G+4)	22223.60
8	Block B (B+G+4)	8863.96
9	Block C (B+G+4)	3884.44
10	Block D (B+G+4)	4806.88
11	Block E (B+S+G+4)	1717.82
12	Block F (B+S+G+4)	984.74
	Total	42480.64
	Parking Area	
13	Basement area	10143.0
14	Stilt area	636.72
15	Open Parking	1656.0
	Total	12435.72

8. **Water Requirement:** The total water requirement of the project during occupational stage is 321 KLD, out of that the fresh water requirement is 179 KLD will be sourced from Municipal Supply/Ground Water and the recycled water from S.T.P is 142 KLD. The total sewage water generated is 259 KLD. It is proposed to treat the sewage in STP of capacity of 300 KLD. The treated waste water is used for Flushing, & Gardening and remaining will be sent to public sewers.
9. **Power requirement:** The daily power requirement for the proposed complex is 3180 KW (CESU). In order to meet emergency power requirements during the grid failure, there is provision of 3 nos. of DG set having 625 KVA capacities for power back up in the Residential Building Project.
10. Rain Water Harvesting is proposed which will be harvested through 27 no. of recharging pits.

11. **Solid Waste Management:** From the residential complex solid waste in form of food waste from kitchen and miscellaneous waste will be generated which will be about 1250.79 kg/day. The generated solid waste from the residential complex will be segregated as biodegradable and non-biodegradable. Biodegradable Waste 750.47 kg/day @ 60% will be treated in In-house Organic Waste Converter and Non Bio degradable waste 375.24@ 40% will be sent to Authorized Vendors as per SWM Rules 2016.
12. The total project cost is ₹ 94.0 Crores.
13. The project proponent along with the consultant **M/s Rightsource Industrial Solutions Pvt. Ltd., (Telangana) – 500072** made a detailed presentation on the proposal.
14. SEAC on its meeting held on Dt: 30.12.2019 decided to take decision on the proposal after the proponent submits the information/ documents followed by the site visit of the Sub-Committee of SEAC.
15. Now the project proponent has furnished compliances on DT: 13.02.2020 as desired by the committee as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
1.	Supporting documents regarding land schedule and kissam of land	Land schedule and kissam of Land is attached as Annexure -I
2.	Copy of power of attorney having registration with the Sub-Register from all 6 owners for construction of building	Registration documents are attached as Annexure -II
3.	Copy of permission of PH Division water supply, Bhubaneswar regarding supply of water to that proposed project	NOC for own Water supply & sewerage disposal system was given vide letter No.1765, Dt 06.09.2019. Attached Letter as Annexure - III
4.	Status of permission from CGWA and Water Resources, Govt. of Odisha for ground water drawal (if provision of usage of ground water in future)	Applied for permission from CGWA and Water Resources, Govt. of Odisha for ground water drawal after grant of Environmental Clearance. The status of the same will be submitted during Consent management.
5.	NOC from drainage department for discharge of treated water to readymade municipality drain provided near proposed location	NOC for own Water supply & sewerage disposal system was given vide letter No.1765, Dt 06.09.2019. NOC for Drainage Plan submitted to BMC vide Letter No.25374 Dt. 13.09.2019 Attached Letter as Annexure - IV

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent																																																																										
6.	Detailed calculation for generation of waste water and its management during monsoon and non-monsoon.	<p>The total water requirement of the project during occupational stage is 321 KLD, out of that the fresh water requirement is 179 KLD will be sourced from Ground Water and the recycled water from S.T.P is 142 KLD. The total sewage water generated is 259 KLD. It will be treated at STP of capacity of 300 KLD and STP treated water will be 181 KLD.</p> <p>The treated waste water is used for Flushing, & Gardening and remaining will be sent to public sewers. The total water requirement during occupational stage is given below.</p> <p>Water Requirement: As per suggestions of National Building Code, 2016(NBC), water requirement for occupants is 135 liters/day/person and for visitors the requirement is 15 liters/day/person.</p> <p>Water Balance Non-Monsoon:</p> <table border="1"> <thead> <tr> <th rowspan="2">Sl. no.</th> <th rowspan="2">Description</th> <th colspan="2">Quantity in KLD</th> <th rowspan="2">Waste water Generated KLD</th> </tr> <tr> <th>Fresh KLD makeup</th> <th>Reuse</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Fresh Water</td> <td>179</td> <td>-</td> <td>142</td> </tr> <tr> <td>2.</td> <td>Flushing</td> <td>-</td> <td>116</td> <td>116</td> </tr> <tr> <td>3.</td> <td>Landscaping</td> <td>-</td> <td>26.0</td> <td>-</td> </tr> <tr> <td>4.</td> <td>STP Loss</td> <td>-</td> <td>78</td> <td>-</td> </tr> <tr> <td>5.</td> <td>Discharge to drain</td> <td>-</td> <td>39</td> <td>-</td> </tr> <tr> <td colspan="2">Total</td> <td></td> <td>259</td> <td>259</td> </tr> </tbody> </table> <p>Water Balance Monsoon:</p> <table border="1"> <thead> <tr> <th rowspan="2">Sl.no.</th> <th rowspan="2">Description</th> <th colspan="2">Quantity in KLD</th> <th rowspan="2">Waste water Generated KLD</th> </tr> <tr> <th>Fresh KLD Make up</th> <th>Reuse</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Fresh Water</td> <td>179</td> <td>-</td> <td>142</td> </tr> <tr> <td>2.</td> <td>Flushing</td> <td>-</td> <td>116</td> <td>116</td> </tr> <tr> <td>3.</td> <td>Landscaping</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>4.</td> <td>STP Loss</td> <td>-</td> <td>78</td> <td>-</td> </tr> <tr> <td>5.</td> <td>Discharge to drain</td> <td>-</td> <td>65</td> <td>-</td> </tr> <tr> <td colspan="2">Total</td> <td></td> <td>259</td> <td>259</td> </tr> </tbody> </table>	Sl. no.	Description	Quantity in KLD		Waste water Generated KLD	Fresh KLD makeup	Reuse	1.	Fresh Water	179	-	142	2.	Flushing	-	116	116	3.	Landscaping	-	26.0	-	4.	STP Loss	-	78	-	5.	Discharge to drain	-	39	-	Total			259	259	Sl.no.	Description	Quantity in KLD		Waste water Generated KLD	Fresh KLD Make up	Reuse	1.	Fresh Water	179	-	142	2.	Flushing	-	116	116	3.	Landscaping	-	-	-	4.	STP Loss	-	78	-	5.	Discharge to drain	-	65	-	Total			259	259
Sl. no.	Description	Quantity in KLD			Waste water Generated KLD																																																																							
		Fresh KLD makeup	Reuse																																																																									
1.	Fresh Water	179	-	142																																																																								
2.	Flushing	-	116	116																																																																								
3.	Landscaping	-	26.0	-																																																																								
4.	STP Loss	-	78	-																																																																								
5.	Discharge to drain	-	39	-																																																																								
Total			259	259																																																																								
Sl.no.	Description	Quantity in KLD		Waste water Generated KLD																																																																								
		Fresh KLD Make up	Reuse																																																																									
1.	Fresh Water	179	-	142																																																																								
2.	Flushing	-	116	116																																																																								
3.	Landscaping	-	-	-																																																																								
4.	STP Loss	-	78	-																																																																								
5.	Discharge to drain	-	65	-																																																																								
Total			259	259																																																																								
7.	Detailed calculation of treated water how to be used and where it will be discharged with drainage map / drainage design	Treated water usage is given above. The drainage map is attached as Annexure - IV																																																																										

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent																																								
8.	Dimensions of underground sumps use for Municipality water storage and rain water harvesting storage with layout	The drainage map is attached as Annexure – IV																																								
9.	Breakup percentage of green belt and landscape with detailed plan and layout. No. of plants shall be increased minimum to 1700	Greenbelt and landscape details are given as Annexure -V																																								
10.	Details of rainwater harvesting proposed in the project and amount compensated towards water requirement/recharging as well	<table border="1"> <thead> <tr> <th>Type of Area</th> <th>Area (in m²)</th> <th>Coefficient of run-off</th> <th>Peak rainfall Intensity during one hour of rainfall (in m)</th> <th>Rain water harvesting potential/hour (in m³)</th> </tr> </thead> <tbody> <tr> <td>Roof-top area</td> <td>9094.53</td> <td>0.90</td> <td>0.03</td> <td>245.6</td> </tr> <tr> <td>Green Area</td> <td>8505.72</td> <td>0.15</td> <td>0.03</td> <td>38.3</td> </tr> <tr> <td>Paved area</td> <td>1656.00</td> <td>0.80</td> <td>0.03</td> <td>39.7</td> </tr> <tr> <td colspan="4">Total storm water load on the site with per hour retention is</td> <td>323.6</td> </tr> <tr> <td colspan="4">Considering 15 minutes retention time, total storm water load</td> <td>80.9</td> </tr> <tr> <td colspan="4">Taking the radius as 1.2 m and effective depth as 2 m, volume of a RWH pit (πr^2h)</td> <td>10.6</td> </tr> <tr> <td colspan="4">Hence no. of pits required in approx = Total storm water load considering 15 minutes retention time / Volume of a RWH pit</td> <td>8</td> </tr> </tbody> </table>	Type of Area	Area (in m ²)	Coefficient of run-off	Peak rainfall Intensity during one hour of rainfall (in m)	Rain water harvesting potential/hour (in m ³)	Roof-top area	9094.53	0.90	0.03	245.6	Green Area	8505.72	0.15	0.03	38.3	Paved area	1656.00	0.80	0.03	39.7	Total storm water load on the site with per hour retention is				323.6	Considering 15 minutes retention time, total storm water load				80.9	Taking the radius as 1.2 m and effective depth as 2 m, volume of a RWH pit (πr^2h)				10.6	Hence no. of pits required in approx = Total storm water load considering 15 minutes retention time / Volume of a RWH pit				8
Type of Area	Area (in m ²)	Coefficient of run-off	Peak rainfall Intensity during one hour of rainfall (in m)	Rain water harvesting potential/hour (in m ³)																																						
Roof-top area	9094.53	0.90	0.03	245.6																																						
Green Area	8505.72	0.15	0.03	38.3																																						
Paved area	1656.00	0.80	0.03	39.7																																						
Total storm water load on the site with per hour retention is				323.6																																						
Considering 15 minutes retention time, total storm water load				80.9																																						
Taking the radius as 1.2 m and effective depth as 2 m, volume of a RWH pit (πr^2h)				10.6																																						
Hence no. of pits required in approx = Total storm water load considering 15 minutes retention time / Volume of a RWH pit				8																																						
11.	Transplantation of trees from construction site to green belt area rather than cutting of trees. A proposal to this effect shall be submitted	Transplantation of trees is not proposed. The existing trees will not be cut down.																																								
12.	DG set stack height details including location and its effect w.r.t. sound and emission and wind	D.G set will be provided with 17.9 mts height of Stack for effective dispersion of pollutants 4th of Block (NW). Predominant wind directions are S, SW. The stack height is calculated as per CPCB guidelines $H = h + 0.2 \times \sqrt{250}$																																								

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
	direction in that area	Where, $H = \text{Total height of stack in mts}$ $h = \text{Height of the building in m where the generator set is installed}$ $KVA = \text{Total generator capacity of the set in KVA}$ $(H = h + 0.2 \times \sqrt{KVA})$ $= 14.75 + 0.2 \times \sqrt{250 \text{ KVA}} = 17.9 \text{ mts}$ Two D.G set will be provided with 17.9 mts height of Stack for effective dispersion of pollutants.
13.	Reduction in no. of DG sets capacity to be used and revised layout of DG set	Two D.G set of 250 KVA will be used and located at 4 th of Block A.
14.	Breakup percentage of power requirement by CESU and Renewable Solar energy (5%) with detailed plan	<p>Approximate Grand Total Load For The Complex :</p> <ol style="list-style-type: none"> 3BHK- Block D & E(part) - 48 Flats @ 6 KW Each Flat : 288.00 KW 2BHK- Blocks : A(5Nos) + B(2Nos) + E(Part) = 288 Flats @ 4 KW Each Flat : 1152.00 KW 1 BHK - Block C (EWS) - 90 Flats @ 3 KW Each Flat : 270.00 KW <p>Total Residential Load : 1710.00 KW</p> <ol style="list-style-type: none"> Total Number of Lifts : 20 Nos @ 5 KW Each Lift : 100.00 KW Common Load for 10 Blocks excluding Lift @ 5 KW Each Block : 50.00 KW Society & Community Centre : 80.00 KW External Lights : 20.00 KW Water Pump House : 50.00 KW Fire Fighting (Not to be taken into consideration for Contract Demand) : 60.00 KW STP : 20.00 KW <p>Total Common Load : 320.00 KW</p> <p>Grand Total Load (Excluding Fire Load) : 2030.00 KW</p> <p>Therefore the total connected load in KVA assuming 0.9 P.F. (1920/0.9) : 2255.55 KVA</p> <p>Total connected load to the Project in KVA is 2256 KVA</p> <p>Solar Power Calculation:</p>

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
		<p>Total Connected Load : 2030 KW</p> <p>5% to be generated by Solar Power : 101.5 KW or say 100.00 KW</p> <p>Total Connected load for Common Services is 320.00 KW. It is proposed to connected the solar power of 100 KW to the CESU Grid at 400 Volts and avail NET METERING facility.</p> <p>The Solar Power of 100 KW will be fully utilized by the Common Demand of 320 KW and balance will met by CESU, in the day time.</p> <p>100 KW solar panel backup roof area required 10,000 sft or 100Sqm. Hence, 5% solar energy backup panel will be fixed over community club house block and adjacent A1 block hanger total roof area – 234 Sqm + 1046 sqm = 1280 Sqm.</p>
15.	Relocation of STP near to drainage	STP will be relocated to North East corner near drainage and shown in the STP site plan attached as Annexure -VI
16.	Water quality analysis report of ground water in that area	Required water will be extracted from ground water sources where possibility of bacterial contamination is less. Analysis report reviews that water is potable however as prevention raw water treatment facilities consist of sand filtration and chlorination will be provided to treat the ground water. Water Quality Test reports attached as Annexure -VII
17.	Details of Solid Waste Management i.e. copy of agreement with agency collecting solid waste (non-biodegradable) from the premises	375.24 kg/Day non-biodegradable waste will be sent to authorized vendors and an agreement will be submitted during consent application of the premises and also submitted regularly under EC Compliances.
18.	There will be G+4 club house for resident. A legal affidavit to be submitted mentioning that club house will not be used for commercial purpose either by the proponent or by the resident	Legal affidavit is attached as Annexure VIII that club house will not be used for commercial purpose either by the proponent or by the resident.
19.	Detailed e-Waste Management practice	A total of 393.48 kg/Year E-waste will be generated and will be sent authorized recyclers. An agreement will be submitted during consent application of the premises and also submitted regularly under EC Compliances.

After detailed discussion, the Committee decided to take decision on the proposal after the visit by the Sub-Committee of SEAC to the project site.

(VII) PROPOSAL FOR ENVIRONMENTAL CLEARANCE OF KHAJURDIHI-BALDIH IRON AND MANGANESE MINES OF LATE MATADIN SHARDA (LESSEE) FOR PRODUCTION OF 1,06,137 CUM IRON ORE AND 4,480 CUM MANGANESE ORE OVER AN AREA 31.56 HA. IN VILLAGES - KHAJURDIHI & BALDIH, TAHASIL - KOIDA, SUBDIVISION - BONAI, DIST - SUNDARGARH OF M/S. MATADIN SHARDA (TOR)

1. The proposal was considered by the committee to determine the "Terms of Reference (ToR)" for undertaking detailed EIA study for the purpose of obtaining environmental clearance in accordance with the provisions of the EIA Notification, 2006 and amendment thereafter.
2. The proposal is for Terms of Reference of Khajurdihi-Baldih Iron and Manganese Mines of Late Matadin Sharda (Lessee) for production of 1,06,137 cum Iron ore and 4,480 cum Manganese ore over an area 31.56 Ha. in villages - Khajurdihi & Baldih, Tahasil - Koida, Subdivision - Bonai, Dist - Sundargarh of M/s. Matadin Sharda.
3. The Mining Lease of Khajurdihi - Baldih Iron and Manganese Mines over an area of 31.56 hectare is entirely in forest land, falls in the revenue village Khajurdihi & Baldih in Koira PS under Bonai Sub-Division of Sundargarh district, Odisha, was a part of mining lease area over 119,543 hectares consisting of three discontinuous blocks which was originally held by M.S. Deb from 31.08.1947, then transferred to M/s Mining Corporation of India on 19.08.1976 and finally transferred to Late Matadin Sharda vide transfer proceeding no. 8955/III(B)MG87/86 dt. 31.07.1986 and deed of transfer was executed on 24.08.1986. Since the lease was held from 31.08.1947 and the lease period has become more than 50 Years upto 12.01.2015, the date of Gazette Notification, the period of lease is deemed to have been extended for 5 years up to 31.03.2020 for non-captive mines as per section 8A(6) of MM (d & R) Amendment Act, 2015.
4. The mining operation has been stopped within the lease area after obtaining the directions of the DDM, Koira, vide letter no. 6836, dt. 10.04.2006 due to want of forest clearance. The ML area of 31.56 ha entirely comprises of forest land. Stage-I clearance for the forest land involved in the lease area has been obtained vide letter no. 5-ORC375/2019-BHU, dated 07.06.2019. 26,949 ha. of non-forest govt. land has been identified in village Sana sibanathpur (Khata No. 7, Plot No. 29) under Gurundia Tehsil in Bonai Forest Range of Bonai Forest Division in lieu of forest land involved in the ML area for compensatory afforestation.
5. Since the scheme of mining was valid upto 31.03.2017, the review of the mining plan has been prepared for a period of 2years i.e. upto the end of the lease period. This review of the mining plan was approved by the Regional Controller of Mines, Indian Bureau of Mines vide letter no. MS/OTFM/09-ORI/BHU/2018-19, date 28-05-2018. Based on the exploration input it is planned to produce a maximum of 89,600 cum ROM of Iron ore & 4,480 cum ROM of Manganese ore from mines i.e. 2,66,240 t of Iron ore and 12,000T of manganese ore; apart from these, ROM of Iron ore Production from dump re-handling will be 12,057 cum, per annum i.e. 33,760 t. Thus, 3,00,000 t / annum iron ore (including sub grade) & 12,000 t / annum manganese ore (including sub grade) will be produced from the mines.
6. The ML area is featured under the SOI toposheet No. 73 G/5 bounded by 21051'54.64" N - 21052'18.52" N latitude and 85016'59.40" E - 85017'21.00" E longitude. The mining lease area is also accessible from Koira town through 8km long all weather road. Barbil

(Mining Town) is located at a distance of 45 km via Koira. Tensa township is situated at a distance of only 20 km from M.L. area. The nearest railway station / siding are Barsuan which is situated at a distance of 33 km from the M.L. area via Koira & Tensa. Full-fledged market facilities, postal and medical facilities are available at Koira. Interstate boundary between Odisha and Jharkhand lies at distance of 15.5km in North-West direction from the proposed project site.

7. Earlier Public Hearing was conducted on 28.03.2012 for the project and the final EIA /EMP report was submitted for EC to SEIAA, Odisha. After the presentation, though SEAC had recommended for EC but SEIAA has not issued final EC letter due to the want of Stage-I of Forest Clearance. Later on 02.08.2019, SEIAA, Odisha vide letter no. 7093/SEIAA has directed the company to apply afresh online for issue of ToR to conduct EIA study.
8. Now after obtaining Stage -1 forest clearance, Shri Bajrang Sharda, Legal Heir of Late Matadin Sharda has applied for EC again to produce maximum ROM of 1,06,137 cum and Setting up a Crusher of 150 TPH capacity & Screening Plant of 200 TPH capacity; maximum production of Iron ore & Manganese ore to be 300,000 TPA and 12,000 TPA respectively.
9. The mining lease area is entirely located in hill forest which slopes from SW to NE. The highest altitude is 823 AMSL in SW corner and lowest elevation is 656 AMSL in NE corner of the lease area. The mining lease area is located in tropical region where climate is characterized by hot summers and cool winters. There is no human settlement within the applied lease area. Mining shall commence from the south-western part of the leasehold, from the existing Quarry- 1 and will develop more in depth. The quarry may deepen maximum upto 82m (729m AMSL is the pit limit at the end of the lease period) from the highest surface level having 13 benches. Opencast semi-mechanized method of mining will be adopted with drilling & blasting, on single shift basis with the deployment of 100mm dia DTH drill, 0.9m³ capacity excavator and 10t capacity tippers. Height and width of the benches will be maintained at 6m & 10m respectively; the individual benches will be kept at 85° while overall quarry slope angle will be maintained at around 30° with horizontal. The ROM will be excavated & loaded to tipper and transported to crushing & screening site for breaking & sizing; Waste material will be transported to new dump namely Dump- 1A. ROM iron ore from mines will be crushed in 150 TPH crusher and screened in 200 TPH screening plant for preparation of saleable ore. The existing wastes dump 'Dump-1' over 1.197 ha. has 80,380 cum waste material, of which 30% are sub grade iron ore (+45% to 55% iron), which will be screened and saleable ore will be recovered. The entire ROM manganese ore will be broken, sorted & sized manually. Ore to waste ratio was 1:0.26.
10. Based on the rated production of mine and mineable reserve, it is estimated that the life of the mine shall be 10 years. Till the end of the life of the mines, an area of 29,899 hectare shall be used in mining related activities out of 31,566 hectare of ML area. By the end of the lease period 193,506 m³ (56,266 m³ waste from dump re-handling and 137,240 m³ from mining) will be to be generated, which will be dumped over 0.77 ha. The existing wastes dump 'Dump-1' over 1.197 ha. has 80,380 cum waste material, of which 30% are sub grade iron ore (+45% to 55% iron), which will be screened and saleable ore will be recovered. The 56,266 cum waste generated (in two years period) during the process of recovery will be shifted to proposed Dump- 1A. Since

there is no possibility of exhaust of ore during the balance lease period, there is no reclamation & rehabilitation plan for the mined out area. However there is plan to stabilize the Dump -1A by planting 1925 saplings on dump slope of 'Dump-1A'. To maintain ecological balance and to check harmful effects imposed on the environment due to proposed mining and allied activities, environmental control measures such as Land use planning, Solid waste management, Air pollution control measures, Water pollution control measures, Noise pollution control measures, Occupational safety health and Socio-economic condition have been envisaged.

11. The mining activity shall generate employment opportunity of about 233 nos. and most of them shall be fulfilled from the locals. The peak water requirement shall be 25 m³/ day and shall be met from the ground water with due permission. As the water table of the region is 6 to 9m below the general ground level at 660m AMSL. It varies between post monsoon to pre monsoon period i.e. 654m AMSL in post monsoon to 651m AMSL in pre monsoon. So there will be no accumulation of water in the proposed pit by the end of the conceptual period as the ultimate pit limit will be at 729m AMSL.
12. The project cost is estimated to be ₹ 10 crores and there is a budgetary provision of ₹ 80 lakhs as capital cost towards environmental protection measures, whereas ₹ 18 lakhs will be spent annually towards regular maintenance & recurring activities. ₹ 10 lakhs will be spent under CER for various socio-economic activities.
13. The project proponent along with the consultant **M/s Centre for Envotech & Management Consultancy Pvt. Ltd. Bhubaneswar** made a detailed presentation on the proposal.
14. The SEAC in its meeting held on 30.12.2019 decided to take decision on the proposal after the proponent submits the information/ documents as sought by SEAC.
15. Now the project proponent has furnished compliances on 14.02.2020 as desired by the committee as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
1.	Status of land as on 25.10.1980 w.r.t. Forest Conservation Act, 1980	The land schedule from Tahasildar, Bonai is attached as Annexure 1 .
2.	Copy of public hearing proceedings	Public Hearing for the project was conducted on 28.03.2012. The detail of the Public Hearing is given as Annexure 2 .
3.	Mitigative measures to be taken to protect the Khajurdihi nala due to mining activities, which is flowing at a distance of 200 m	Proposed Mitigative Measures to protect the Khajurdihi nala due to mining activities is discussed in Annexure 3 .
4.	Details of total lease area with supporting documents. Total lease area surrendered with supporting documents	Details of total lease & surrendered area are given as Annexure 4 .
5.	Dimensions of overburden dump	There exists only one OB dump 'Dump 1' within the lease area over 1.197 ha. having length 125m & breadth 60.56m. It is situated in the

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
		southern part of the lease area.
6.	Copy of Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area	Wildlife conservation plan is not required for this project. A letter from Govt. of Odisha in this concern is attached herewith as Annexure 5 .
7.	Certificate from the concerned DFO that the location is not within the notified elephant corridor area	A letter & location map certified by DFO, Bonai Forest Division is attached as Annexure 6; it shows the National Parks /Sanctuaries and Elephant /Tiger Reserve with their corridors (existing& proposed).
8.	The production details of the mine from the inception of the mine till the date of closure duly authenticated by the Steel & Mines Department, Govt. of Odisha	The production details of this mines is attached as Annexure 7 .
9.	Copy of Regional Wildlife Conservation Plan	The copy of the Regional Wildlife Conservation Plan is prepared by the Govt. of Odisha and is with the DFO, Bonai Forest Division. We will submit the copy with the final EIA /EMP report.
10.	Copy of payment details made by the lessee towards preparation of Regional Wildlife Conservation Plan	The copy of letter showing payment towards preparation of Regional Wildlife Conservation Plan is attached as Annexure 8 .

After detailed discussion, the SEAC decided to take decision on the proposal after the proponent submits the following information / documents:

- The mining lease period will be expired on 31.03.2020. Copy of the documents in support of the fact that the Proponent is now the rightful lessee of the mine.
- Copy of Consent to Operate granted by the State Pollution Control Board, Odisha if any. As the mine has operated till 2005-06 as per the production details submitted by the proponent.
- Reason of non-operation of the mine after the year 2005-06 and copy of the closure direction if any issued by the Steel and Mines Department, Govt. of Odisha / State Pollution Control Board, Odisha.
- Details of compensation if any paid to the Steel and Mines Department, Govt. of Odisha for illegal mining in compliance of judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors.

(VIII) PROPOSAL FOR EXTENSION OF VALIDITY PERIOD OF ENVIRONMENTAL CLEARANCE OF BHANJAPALI IRON ORE MINES OVER AN AREA OF 18.0 HA & BENEFICIATION (CRUSHING & SCREENING) PLANT, AT - KOIRA, DIST -SUNDARGARH, ODISHA FOR PRODUCTION OF 2,60,000 MT / ANNUM OF M/S BHANJAPALI IRON ORE MINES OF SRI JITENDRA NATH PATNAIK (EC).

1. The proposal was for Extension of EC of Bhanjapali Iron ore Mines over an area of 18.0 Ha & Beneficiation (Crushing & Screening) of Iron ore Koira, Sundargarh, Odisha for production of 2,60,000 MT / Annum of M/s Bhanjapali Iron ore mines of Sri Jitendra Nath Patnaik.
2. The lessee had obtained Environmental Clearance from SEIAA, Odisha vide letter no: 3212/SEIAA Dated 14.05.2015 for 5 years, which will be expired on 13.05.2020.
3. The said mining lease area was granted in favour of Sri J.N Patnaik on 29.02.96 for a period of 30 years vide letter no. 5/88/95-M.I.V. The mining lease was executed in favour of Shri J.N. Patnaik on 01.04.1997.
4. The first mining plan of Bhanjapali iron ore mines over 18.00Ha was prepared for 5 years (1997-2002) & approved by the regional controller of mines letter no. CAL/SG/FE/MP-459 dated 06.11.1996. Though the mining plan was approved on 06.11.96 but the mining operation commenced from 01.10.1997. Present mining scheme has been prepared for the period of 2017-2018 to 2021-2022. The said scheme of mining was approved by vide letter MS/OTFM/09-ORI/BHU/2017-18 dated 31.08.2017.
5. Environmental Clearance for Bhanjapali Iron ore mines has been granted for increase in production of Iron ore from 55,994 MT /annum to 2,60,000 MT/annum vide letter no. 3212/SEIAA Dated 14.05.2015 for 5 years.
6. The project obtained Forest Clearance vide memo no.1820 dtd.25.01.18 and Consent to Operate from Odisha State Pollution Control Board Vide letter no. 3222/IND-I-CON-2197 dated 29.03.2019.
7. Office of Director of Mines, Odisha, Bhubaneswar issued letter to the Deputy Director, Mines, Koira regarding resuming mining operation vide memo no.3515, Dated.25.07.2018 and their correspondence to Deputy Director, Mines, Koira resume mining operation.
8. During the financial year 2018 -19 is 66,400 TPA and during Apr 2019 to December 2019 production is 1,12,200 TPA of Iron ore has been produced from the mines.
9. The Lessee has applied for extension of validity of EC up to the lease period for 30 years.
10. The consultant **M/s Kalyani Laboratories (Pvt) Ltd. Pahala, Bhubaneswar** along with the proponent has made a detailed presentation before the SEAC on 29.01.2020. The SEAC decided to take decision on the request of the proponent after the proponent submits certain information / documents.
11. Now, the project proponent has furnished compliances vide letter no: JNP/19-20/275, dated 24.02.2020 as desired by the committee as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
1.	Supporting documents regarding lease validity period	Letter from Dept. of Steel & Mines, Govt. of Odisha clarifies the project proponent is rightful owner of mining lease for 30 years i.e. 31.03.2027.

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
2.	Half yearly compliance report submitted to MoEF&CC, Govt. of India for the existing Environmental Clearance :	Half yearly compliance report submitted.

12. The SEAC observed that the earlier Environmental Clearance was granted for production of Iron Ore of capacity 2,60,000 TPA. However, the proponent has requested for extension of validity period of Environmental Clearance for production of Iron Ore capacity upto 2,60,000 TPA over an area of 18 ha. along with Beneficiation of Iron Ore (Screening and Crushing). The Beneficiation Plant was not part of the Environmental Clearance granted earlier.

The SEAC opined that similar type of proposals were already discussed and decision have been taken to extend the validity period upto 30 years or life of the mine whichever is less as per order passed by the Hon'ble High Court, Delhi as well as Odisha. Hence, the SEAC recommended for extension of validity period of Environmental Clearance granted to Bhanjapali Iron Ore Mines of Sri Jitendra Nath Patnaik over an area of 18.0 ha., At - Koira, Dist -Sundargarh, Odisha for production of 2,60,000 MT / Annum upto lease period (i.e. 31.03.2027).

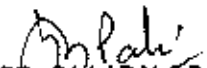
(IX) PROPOSAL FOR ENVIRONMENTAL CLEARANCE OF M/S AJAX PETRO FOR DAKHINPUR DECORATIVE STONE DEPOSIT OVER AN MINING LEASE AREA OF 8.964 HA AT VILLAGE DAKHINPUR, UNDER BERHAMPUR TEHSIL OF GANJAM DISTRICT (TOR)- SUBMITTED UNDER VIOLATION CASE)


1. The proposed Dakhinpur Decorative Stone mines of M/s Ajax petro over an area of 8.964 Ha is located at vill. Dakhinpur, tehsil-Berhampur, Dist: Ganjam.
2. The mining activity has been initiated in the ML area since 29.02.1990. The updated geological and mineable reserve up to 01.04.2011 is 1,40,046 m³ and 1,25,364 m³ respectively. The proposed rate of production will be 10,000 m³/ annum of Decorative stone and the life of mines has been estimated as 69 years.
3. A total of 78,624 m³ swollen waste/rejects are likely to be generated during the plan period. These wastes will be dumped over an area of 7862 m² at an average of 10m height. During proposed plan period sub grade of 21,294 m³ will stacked in south of the quarry lease area over 4,259 m². The height of the sub grade stack will be maintained at 5 m.
4. The mining is done by opencast semi mechanized method on single shift basis with deployment of machineries like Hydraulic Rock Drillers, jack hammer drill, compressor, hydraulic excavator, Diamond wire rope Cutter & tippers. Height and width of the benches will be 6m each and the overall slope angle of the benches will be around 90°. The overall slope of the quarry will be 45°.
5. About 1 cum/d of potable water will be used for domestic purpose which will be sourced from bore well. The plantation will be done over an area of 1.5 Ha in the lease boundary and open spaces available.


6. A total of 32 people have been employed for smooth operation of the mine. There are nine existing dump and six existing quarry in the ML area. The mining activity is suspended since March 2012 due to requirement of EC.
7. The public hearing of the said project was conducted on 16.01.2015 and the issues raised by public were properly addressed by the proponent. Presently, the mine is not operating due to want of environmental clearance.
8. The consultant, **M/s Kalyani Laboratories, Bhubaneswar** made a detailed presentation on 20.04.2015 on behalf of the proponent. The SEAC observed that the proponent has already gone for production beyond lease renewal period i.e. upto 2011 without obtaining environmental clearance from SEIAA, Odisha and this case is a violation of Environment (Protection) Act, 1986. The SEAC recommended that the SEIAA, Odisha shall deal with the violation matter in accordance with MoEF&CC, Govt. of India OM No. J-11013/41/2006-IA.II (I) dt.12.12.2012 and dated 27.06.2013 as follows:
 - i) The proponent to be requested to put up the matter relating to violation to the Board of Directors of the Company or to the Managing Committee, for consideration of their environment related policy/plans of action and a written commitment in the form of a formal resolution shall be submitted to SEIAA to ensure that violations will not be repeated.
 - ii) Secretary, Department of Environment, State Government of Odisha to be requested by the SEIAA to take credible action against the proponent under section 15 of E(P) Act, 1986 by invoking powers under Section 19 of the same Act for the period for which the violation has taken place and evidence provided to the SEIAA of the credible action taken.
 - iii) Direction under section 5 of the Environment (Protection) Act, 1986 to be issued by the SEIAA to the proponent with a copy to Regional Office of MoEF&CC, Govt. of India at Bhubaneswar and OPCB not to start mining activity till the required Environmental Clearance is obtained.
9. The SEAC also decided that the proposal will be returned to SEIAA with a request to initiate necessary action as stated above and SEAC will consider the case after necessary action is initiated by SEIAA under intimation to SEAC.
10. The SEIAA, Odisha vide letter no. 2615/SEIAA, dated 22.02.2017 has intimated that the ADM, Ganjam has initiated legal action against the proponent for mining activity beyond lease renewal period without Environmental Clearance.
11. The project proponent has applied online through violation portal of MoEF&CC, Govt. of India as a violation case. The same has been transferred to SEIAA, Odisha for appraisal as violation case as per MoEF&CC, Govt. of India OM No. F. No. Z-11013/22/2017-IA.II(M), dated 15.03.2018.
12. The SEAC in its meeting held on 10.07.2019 decided to consider the proposal for issue of Terms of References (ToRs) for EIA study as a violation case after the proponent submits District Survey Report and after receipt of clarification from MoEF&CC, Govt. of India as per the orders of Hon'ble NGT.
13. Now, the project proponent has furnished compliances on 14.02.2020 as desired by the committee as follows:

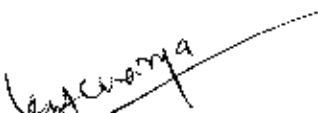
Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
1.	Submission of District Survey Report and after receipt of clarification from MoEF&CC, Govt. of India as per the orders of Hon'ble NGT.	DSR of Ganjam has been submitted.

The SEAC observed that there is manipulation in the computer generated Environmental Clearance application acknowledgement submitted by the proponent. After detailed discussion, the SEAC decided to take decision on the proposal after the proponent submits the authenticated computer generated Environmental Clearance application acknowledgement for proof of application made in violation portal during the period 14.03.2017 to 13.09.2017 and 14.03.2018 to 13.04.2018 as per MoEF&CC, Govt. of India OM No. F. No. 22-10/2019-IA.III, dated 09.09.2019.


DR. SAILABALA PADHI
MEMBER, SEAC



SRI. J. K. MAHAPATRA
MEMBER, SEAC


DR. D. SWAIN
MEMBER, SEAC


SRI. K. R. ACHARYA
MEMBER, SEAC

DR. K. C. S PANIGRAHI
MEMBER, SEAC


PROF. (DR.) B. K. SATPATHY
MEMBER, SEAC


PROF. (DR.) P. K. MOHANTY
MEMBER, SEAC

APPROVED


CHAIRMAN (WORKING), SEAC

ANNEXURE – A

**CONSIDERATION OF REVALIDATION OF ENVIRONMENTAL CLEARANCE OF
COUNTRY LIQUOR PROPOSALS (01 No)**

Sl. No.	File No.	Proposal	Date and Capacity for which EC obtained earlier.	Licensed capacity	Revised Capacity for which EC applied for
1.	SIA/OR/IND2/4 9408/2020	Proposal for Environmental Clearance for proposed 3.162 KLD Mahua Flower based Country Liquor Manufacturing Unit, M/s. Bellaguntha Main Out Still Shop at Bellaguntha, Mouza – Ambapua, District- Ganjam (Present Licenses No. EXEPPR-OS-30/2019-20) of Sri Narayan Sahu (EC).	Previous Environmental Clearance granted vide letter no: 4998/SEIAA, dated 01.06.2018 for capacity 3.51 KLD.	Capacity 3.162 KLD License valid upto 31.03.2020.	Environmental Clearance applied for capacity 3.162 KLD

[Handwritten signature]

CONSIDERATION OF THE COUNTRY LIQUOR PROPOSALS WHICH ARE GENERATING WASTE WATER LESS THAN 100 KLD IN THE SEAC MEETING HELD ON 04.03.2020

Sl. No.	SEIAA File No.	Name and address of the Country liquor project.	Licenced production capacity in KLD (Approved capacity)	Production capacity in KLD applied for EC	Waste water generation (in KLD) as per approved capacity	Solid waste generation (in TPD) as per approved capacity	Observation of the SEAC based on Form-I, Prefeasibility Report and Checklist	Whether general condition apply	Recommendation of the SEAC
1.	SIA/OR/ND2/506 29/2020	Sri Parash Gupta, Lessee M/s. Dadhimajhiguda Out Still Liquor Shop At/P.O – Dadhimajhiguda, Tahasil – Kodinga, Dist – Nabarangpur E-mail: padmaassociate skid @gmail.com	3.780	3.780	11.022	1.965	<ol style="list-style-type: none"> 1. Furnished filled in Form-I, pre-feasibility report and check list counter signed by Excise Superintendent. 2. Process flow sheet has been furnished. 3. Design and specification of O.S. (Pot) has been furnished. 4. Plant layout map indicating plant facilities, product and raw material storage area has been furnished. 5. Copy of excise license of Competent Authority has been furnished, which is valid upto 31.03.2020. 6. No forest land involved in project area. 7. There is no protected areas i.e. National Park, Sanctuary, Habitat for Migratory Birds, Tiger 	No	The SEAC considered the proposal as 'B2' category as the unit is generating waste water less than 100 KLD and recommended to grant Environmental Clearance for production of 3.780 KLD of county Liquor with modified conditions as recommended in the SEAC meeting held on 19.06.2018.

Sl. No.	SEIAA File No.	Name and address of the Country liquor project.	Licenced production capacity in KLD (Approved capacity)	Production capacity in KLD applied for EC	Waste water generation (in KLD) as per approved capacity	Solid waste generation (in TPD) as per approved capacity	Observation of the SEAC based on Form-I, Prefeasibility Report and Checklist	Whether general condition apply	Recommendation of the SEAC
							Reserve, Protected Monuments, Inter-State boundary and critically polluted area as identified by CPCB etc. located within 5 km radius of the project area. 8. Land documents furnished.		
2.	SIA/OR/ND2/508 86/2020	Sri T. Jaganaikullu & Smt P. Indumati, Licensee M/s. Patrapur main O.S Liquor Shop At/PO- C.Saradhapur Common Distillation Centre, P.S- K.Nuagaon, Tahasil- Patrapur, Dist – Ganjam, E-mail- patrapuros@gmail.com	2.532	2.532	7.383	1.321	1. Furnished filled in Form-I, pre-feasibility report and check list counter signed by Excise Superintendent. 2. Process flow sheet has been furnished. 3. Design and specification of O.S. (Pot) has been furnished. 4. Plant layout map indicating plant facilities, product and raw material storage area has been furnished. 5. Copy of excise license of Competent Authority has been furnished, which was valid upto 31.03.2020. 6. No forest land involved in	No	The Committee observed the following: (a) The land document reveals that the land belongs to Sri Balaji Mahaprabhu (God land). (b) Manipulation in distance from Inter-State boundary from 1 km (earlier) to 5.8 kms though the unit is located in the same land.

Sl. No.	SEIAA File No.	Name and address of the Country liquor project.	Licenced production capacity in KLD (Approved capacity)	Production capacity in KLD applied for EC	Waste water generation (in KLD) as per approved capacity	Solid waste generation (in TPD) as per approved capacity	Observation of the SEAC based on Form-I, Prefeasibility Report and Checklist	Whether general condition apply	Recommendation of the SEAC
							<p>project area.</p> <p>7. There is no protected areas i.e. National Park, Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Protected Monuments, Inter-State boundary and critically polluted area as identified by CPCB etc. located within 5 km radius of the project area.</p> <p>8. Document related to ownership of land on which plant has been established has not been furnished. The documents which has been furnished not in the name of the proponent.</p> <p>9. Inter State Boundary is 1 km away from the proposed site.</p> <p>10. SEAC in its meeting held on 20.06.2018 decided to return the proposal to SEIAA, Odisha with a</p>		After detailed discussion, the Committee recommended to reject the application for the above reason.

Sl. No.	SEIAA File No.	Name and address of the Country liquor project.	Licenced production capacity in KLD (Approved capacity)	Production capacity in KLD applied for EC	Waste water generation (in KLD) as per approved capacity	Solid waste generation (in TPD) as per approved capacity	Observation of the SEAC based on Form-I, Prefeasibility Report and Checklist	Whether general condition apply	Recommendation of the SEAC
							<p>request to ask the proponent to apply for EC to MoEF&CC, Govt. of India as category A project as Inter-State Boundary is at a distance of 1 km from the proposed location and SEIAA returned the proposal vide letter no – 5454/SEIAA, dated 28.07.2018.</p> <p>11. Now the project proponent had submitted fresh EC with revised production capacity of 2.532 KLD along with changed geographical coordinates but on same Khata No and Plot No.</p> <p>12. Present distance of proposed site is 5 km away from Inter State Boundary.</p>		


CHAIRMAN (Working), SEAC


SECRETARY, SEAC

TABLE**DECISION ON MINOR MINERAL PROJECTS WITH LEASE AREA LESS THAN 5 HA. ON 04.03.2020**

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
1.	SEIAA - 43/01-2020	Sri.Manoranjan Martha, (Owner) M/s Bharatpalli Stone Quarry At: Bharatpalli, PO: Baradabilli, PS: Dharakote District : Ganjam, Odisha	Ganjam	Stone	Proposal for Environmental Clearance for Bharatpalli Stone Quarry over an area of 8.431 acres or 3.412 ha at village Bharatpalli Tahasil Dharakote in the district of Ganjam of Sri Manoranjan Martha.	FY 2018-19 to 2022-23	Nil (As per checklist)	<ol style="list-style-type: none"> 1. Furnished filled in Form-I, pre-feasibility report and check list as endorsed / submitted by the Tahasildar. 2. DSR has been submitted 3. Topo sheet indicating location of the mine has been furnished. 4. EMP has been submitted. 5. Mining plan approved by the DDG & Authorized Officer, Bhubaneswar. 6. No forest land involved in lease area 	No	1224	The SEAC recommended to grant EC valid from the date of EC accorded upto the lease period.



Secretary, SEAC

Sl. No	SE/IAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
								<p>7. There is no protected areas i.e. National Park, Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Protected Monuments, Inter-State boundary and critically polluted area as identified by CPCB etc. located within 5 km radius of the mine lease area.</p> <p>8. There is no court case / litigation pending.</p>			
2.	SE/IAA - 44/01-2020	Sri Sujit Kumar Mishra (Owner) M/s. Khindo (C) Stone Quarry P.s - Tangi Dist -	Angul	Stone	Proposal for Environment Clearance for Khindo - C Stone Quarry over an area of 1.00 acres or 0.405 ha at village Khindo Tahasil	2020-21 to 2024-25	<p>(i) Khindo - A Stone Quarry over an area of 0.406 ha</p> <p>(ii) Khindo - B Stone Quarry over an area of 0.406 ha</p>	<p>1. Furnished filled in Form-I, pre-feasibility report and check list as endorsed / submitted by the Tahasildar.</p> <p>2. DSR has been submitted, which reveals that there are other two stone mines located in the</p>	No	2220	<p>The SEAC decided to take decision on the proposal after receipt of following information from the concerned Tahasildar</p> <p>(i) Baseline data of the study area on air, water and noise for a minimum period of</p>



 Secretary, SEAC

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
		Cuttack			Kaniha in the district of Angul of Sri Sujit Kumar Mishra			<p>same area.</p> <p>3. Topo sheet indicating location of the mine has been furnished.</p> <p>4. EMP has been submitted.</p> <p>5. Mining plan approved by the Joint Director Geology, Zonal Survey, Dhenkanal.</p> <p>6. No forest land involved in lease area</p> <p>7. There is no protected areas i.e. National Park, Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Protected Monuments, Inter-State boundary and critically polluted area as identified by CPCB etc. located within 5 km radius of</p>			<p>one month is to be included in EMP and modified EMP to be submitted.</p> <p>(ii) CSR activities and other activities where joint consensus is required to be done by both the mines owners in cluster and legally tenable agreement between them to this effect is to be submitted</p> <p>(iii) Certificate from the concerned DFO that there is no DLC land involved in lease area.</p>

—(—)

Secretary, SEAC

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
								the mine lease area. 8. There is no court case / litigation pending.			
3.	SEIAA - 45/01-2020	Sri Sujit Kumar Mishra (Owner) M/s. Khindo (A) Stone Quarry P.s - Tangi Dist - Cuttack	Angul	Stone	Proposal for Environment Clearance for Khindo - A Stone Quarry over an area of 1.00 acres or 0.406 ha at village Khindo Tahasil Kaniha in the district of Angul of Sri Sujit Kumar Mishra	2020-21 to 2024-25	(i) Khindo - B Stone Quarry over an area of 0.406 ha (ii) Khindo - C Stone Quarry over an area of 0.405 ha	1. Furnished filled in Form-I, pre-feasibility report and check list as endorsed / submitted by the Tahasildar. 2. DSR has been submitted, which reveals that there are other two stone mines located in the same area. 3. Topo sheet indicating location of the mine has been furnished. 4. EMP has been submitted. 5. Mining plan approved by the Joint Director Geology, Zonal Survey, Dhenkanal.	No	1725	The SEAC decided to take decision on the proposal after receipt of following information from the concerned Tahasildar (i) Baseline data of the study area on air, water and noise for a minimum period of one month is to be included in EMP and modified EMP to be submitted. (ii) CSR activities and other activities where joint consensus is required to be done by both the mines owners in cluster and legality


 Secretary, SEAC

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
								<p>6. No forest land involved in lease area</p> <p>7. There is no protected areas i.e. National Park, Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Protected Monuments, Inter-State boundary and critically polluted area as identified by CPCB etc. located within 5 km radius of the mine lease area.</p> <p>8. There is no court case / litigation pending.</p>			<p>tenable agreement between them to this effect is to be submitted</p> <p>(iii) Certificate from the concerned DFO that there is no DLC land involved in lease area.</p>
4.	SEIAA - 46/02-2020	Sri Ajit Sahoo (Owner) M/s. Mandua Sand Quarry AT/Po.	Angul	Sand	Proposal for Environmental Clearance for Mandua Sand Quarry over an area of 12.35 acres or 5.00	2019-20 to 2023-24	Nil (As per checklist)	<p>1. Furnished filled in Form-I, pre-feasibility report and check list as endorsed / submitted by the Tahasildar.</p> <p>2. DSR has been submitted, which</p>	No	10000	<p>The SEAC decided to take decision on the proposal after getting the following from the concerned Tahasildar:</p> <p>(a) Certificate of the Tahasildar that there is no other</p>


 Secretary, SEAC

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (In m ³)	Recommendation of the SEAC
		Deranga Ps – Kaniha, Dist – Angul Odisha			ha at village Mandua Tahasil Chhendipada in the district of Angul of Sri Ajit Sahoo			<p>reveals that there is another sand mine located in the same Tahasil.</p> <p>3. Topo sheet indicating location of the mine has been furnished.</p> <p>4. EMP has been submitted.</p> <p>5. Mining plan approved by the Joint Director Geology, Zonal Survey, Dhenkanal.</p> <p>6. No forest land involved in lease area</p> <p>7. There is no protected areas i.e. National Park, Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Protected Monuments, inter-State boundary and critically polluted area as identified by</p>			sand mines located within 500 m from the periphery of the proposed mine lease area as DSR report reveals another sand mine located in the same area.



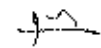
Secretary, SEAC

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
								CPCB etc. located within 5 km radius of the mine lease area. 8. There is no court case / litigation pending.			
5.	SEIAA - 47/02-2020	Sri N. Suresh (Owner) M/s. Gayatri Projects Ltd (San-Musaposh Stone Quarry) At - B1, 6-3-1090, TSR Towers Rajabhawan Road, Somjiguda Hyderabad Pin: 500082	Sundargarh	Stone	Proposal for Environmental Clearance for San-Musaposh Stone Quarry over an area of 10.00 acres or 4.046 ha at village San-Musaposh Tahasil Gurundia in the district of Sundargarh of Sri N. Suresh	3 Years	Nil (As per checklist)	1. Furnished filled in Form-I, pre-feasibility report and check list as endorsed / submitted by the Tahasildar. 2. DSR has been submitted, which reveals that this stone mine is not in list of sairat cases. 3. Topo sheet indicating location of the mine has been furnished. 4. EMP has been submitted. 5. Mining plan approved by the DDM & Authorized Officer,	No	99920	The SEAC decided to return the proposal to SEIAA, Odisha with a request to ask the concerned Tahasildar to submit revised proposal complying to the following: (i) Revised checklist incorporating minimum lease period for 5 years. (ii) DSR incorporating the sairat source as this stone mine is not in list of sairat sources as per DSR report submitted.




Secretary, SEAC

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
								<p>Koira, Sundargarh.</p> <p>6. No forest land involved in lease area</p> <p>7. There is no protected areas i.e. National Park, Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Protected Monuments, Inter-State boundary and critically polluted area as identified by CPCB etc. located within 5 km radius of the mine lease area.</p> <p>8. There is no court case / litigation pending.</p> <p>9. Tahasildar letter reveals this new sairat source will be included in the DSR.</p>			


 Secretary, SEAC

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
6.	SEIAA - 48/02-2020	Smt. Chinmayee Muduli (Owner) W/o. Sukanta Muduli M/s. Deokali Sand Quarry At- Trisulia, Po/Ps- Baranga, Dist - Cuttack Odisha	Cuttack	Sand	Proposal for Environmental Clearance for Deokali Sand Quarry over an area of 5.00 acres of 2.023 ha at village Deokali Tahasil Barang in the district of Cuttack of Smt. Chinmayee Muduli	FY 2019-20 to 2023-24	Nil (As per checklist)	<ol style="list-style-type: none"> 1. Furnished filled in Form-I, pre-feasibility report and check list as endorsed / submitted by the Tahasildar. 2. DSR has been submitted, which reveals that Khata No and Plot No is different from Checklist. 3. Topo sheet indicating location of the mine has been furnished. 4. EMP has not been submitted. 5. Mining plan approved by the DDG Directorate of Geology, Bhubaneswar. 6. No forest land involved in lease area 	No	15990	DSR has been submitted, which reveals that Khata No and Plot No is different from Checklist submitted. This may be clarified by the concerned Tahasildar and revised documents to be submitted.


 Secretary, SEAC

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
7.	SEIAA - 49/02-2020	Smt Mamata Paikaray (Owner) M/s. Balarampur Chips Metal Quarry At - Sitaram Colony,	Khordha	Stone	Proposal for Environmental Clearance for Balarampur Chips Metal Stone Quarry over an area of 5.242 acres / 2.121 ha. at village Balarampur	2017-18 to 2021-22	Nil (As per checklist)	<p>7. There is no protected areas i.e. National Park, Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Protected Monuments, Inter-State boundary and critically polluted area as identified by CPCB etc. located within 5 km radius of the mine lease area.</p> <p>8. There is no court case / litigation pending.</p> <p>1. Furnished filed in Form-I, Pre-feasibility report and check list forwarded by Tahasildar.</p> <p>2. DSR has been submitted.</p> <p>3. Topo sheet indicating location of the mine has been furnished.</p>	No	2635	The SEAC recommended to grant EC valid from the date of EC accorded upto the lease period.


 Secretary, SEAC

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
		Raja Bazar, Jatani Dist : Khordha, Odisha Pin: 752050			Tahasil Tangi in the district of Khordha of Smt Mamata Paikaray			<p>4. EMP has been submitted.</p> <p>5. Mining plan approved by the DDG Directorate of Geology, Bhubaneswar.</p> <p>6. No forest land involved in lease area</p> <p>7. There is no protected areas i.e. National Park, Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Protected Monuments, Inter-State boundary and critically polluted area as identified by CPCB etc. located within 5 km radius of the mine lease area.</p> <p>8. There is no court case / litigation pending.</p>			



Secretary, SEAC

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
8.	SEIAA - 50/02-2020	Sri Gopal Chetty Dilli Rao (Owner) M/s. Belakona Stone Quarry At - Kasturi Nagar, 1st lane Rayagada Odisha	Rayagada	Stone	Proposal for Environmental Clearance for Belakona Stone Quarry over an area of 2.00 acres or 0.890 ha at village Belakona Tahasil Kalyansighpur in the district of Rayagada of Sri Gopal Chetty Dilli Rao	2019-20 to 2023-24	Nil (As per checklist)	<ol style="list-style-type: none"> 1. Furnished filled in Form-I, Pre-feasibility report and check list forwarded by Tahasildar. 2. DSR has been submitted. 3. Topo sheet indicating location of the mine has been furnished. 4. EMP has been submitted in cluster approach. 5. Mining plan approved by the Joint Director of Geology, Zonal Survey, Koraput, Odisha. 6. No forest land involved in lease area 7. There is no protected areas i.e. National Park, Sanctuary, Habitat for Migratory 	No	810	The SEAC recommended to grant EC valid from the date of EC accorded upto the lease period.



Secretary, SEAC

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
								Birds, Tiger Reserve, Protected Monuments, Inter-State boundary and critically polluted area as identified by CPCB etc. located within 5 km radius of the mine lease area. 8. There is no court case / litigation pending.			
9.	SEIAA - 51/02-2020	Sri Rajesh Kumar Pradhan (Owner) M/s. Gobardhan prasad Stone Quarry At/Po. Fategarh P.s - Bhapur Dist - Nayagarh, Pin :	Nayagarh	Stone	Proposal for Environmental Clearance for Gobardhanprasad Stone Quarry over an area of 4.03 acres or 1.630 ha. At village Gobardhanprasad Tahasil Bhapur in the district of Nayagarh of	2018-19 to 2022-23	Nil (As per checklist)	1. Furnished filled in Form-I, Pre-feasibility report and check list forwarded by Tahasildar. 2. DSR has been submitted. 3. Topo sheet indicating location of the mine has been furnished. 4. EMP has been submitted in cluster approach. 5. Mining plan approved	No	1125	The SEAC recommended to grant EC valid from the date of EC accorded upto the lease period.


Secretary, SEAC

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
		752063 Odisha			Sri Rajesh Kumar Pradhan			<p>by the DDG Directorate of Geology, Bhubaneswar.</p> <p>6. No forest land involved in lease area</p> <p>7. There is no protected areas i.e. National Park, Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Protected Monuments, Inter-State boundary and critically polluted area as identified by CPCB etc. located within 5 km radius of the mine lease area.</p> <p>8. There is no court case / litigation pending.</p>			




Secretary, SEAC

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
10.	SEIAA - 52/02-2020	MD. Nasir Husen M/s. Khandiadh ar Sand Quarry At/Po. Sukruli, Ps - Sukruli Dist - Mayurbhan j Odisha	Mayurbhanj	Sand	Proposal for Environmental Clearance for Khandiadh ar Sand Bed over an area of 11.35 acres or 5.00 ha at village Khandiadh ar Tahasil Sukruli in the district of Mayurbhanj	2017- 18 to 2021- 22	Nil (As per checklist)	<ol style="list-style-type: none"> 1. Furnished filled in Form-I, Pre-feasibility report and check list forwarded by Tahasildar. 2. DSR has been submitted. 3. Topo sheet indicating location of the mine has been furnished. 4. EMP has been submitted in cluster approach. 5. Mining plan approved by the DDG, O/o Joint Director of Geology, Zonal Survey, Keonjhar. 6. No forest land involved in lease area 7. There is no protected areas i.e. National Park, Sanctuary, Habitat for Migratory 	No	2962.5	The SEAC recommended to grant EC valid from the date of EC accorded upto the lease period.



Secretary, SEAC

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
								Birds, Tiger Reserve, Protected Monuments, Inter-State boundary and critically polluted area as identified by CPCB etc. located within 5 km radius of the mine lease area. 8. There is no court case / litigation pending.			
11.	SEIAA - 40/01-2020	Sri Pratap Kumar Rout (Owner) M/s. Durgamata Klin Bricks At /Po. Khadagaprasad Ps - Motanga Dist - Dhenkanal, Odisha Pin :	Dhenkanal	Brick Earth	Proposal for Environmental Clearance for Durgamata Klin Brick Earth over an area of 4.51 acres or 1.825 ha in village Suravi of Motanga Gram Panchayat Tahasil Odapada in	5years FY 2018-19 to 2022-23	Nil (As per checklist)	1. Furnished filled in Form-I, pre-feasibility report and check list as endorsed / submitted by the Tahasildar. 2. DSR has been submitted, which reveals that there is another quarry located in the same area (i.e. Suravi Brick Earth Quarry No-1, 1.072 Ha.).	No	6160	The SEAC recommended to grant EC valid from the date of EC accorded upto the lease period.


 Secretary, SEAC

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
		759121			the district of Dhenkanal of Sri Pratap Kumar Rout			<p>3. Topo sheet indicating location of the mine has been furnished.</p> <p>4. EMP has been submitted.</p> <p>5. Mining plan approved by the Joint Director Geology, Zonal Survey, Dhenkanal.</p> <p>6. No forest land involved in lease area</p> <p>7. There is no protected areas i.e. National Park, Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Protected Monuments, Inter-State boundary and critically polluted area as identified by CPCB etc. located</p>			

gms


Secretary, SEAC

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
								<p>within 5 km radius of the mine lease area.</p> <p>8. There is no court case / litigation pending.</p> <p>9. SEAC in its meeting held on 07.02.2020 decided to take decision on the proposal after receipt of certificate from the concerned Tahasildar that there is no other mines located within 500 m from the periphery of the proposed mine lease area as there is another mine in the same area as per DSR (i.e. Suravi Brick Earth Quarry No- 1, 1.072 Ha.)</p>			




Secretary, SEAC


Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
								10. Now Tahasildar Odapada vide letter no: 817, dated 27.02.2020 clarified that there is no mines located within 500m from the periphery of the proposed mining lease area (i.e. Suravi Brick Earth Quarry No- 1, 1.072 Ha.)			
12.	SEIAA - 39/01-2020	Sri Gobardhan Sahoo M/s. Suvam kiln Bricks At/Po. Khadagaprasad Ps - Motanga Dist - Dhenkanal , Odisha	Dhenkanal	Brick Earth	Proposal for Environmental Clearance for Suvam Klin Brick Earth over an area of 2.65 acres or 1.072 ha in village Suravi of Motanga Gram Panchayat, Tahasil	5 years FY 2018-19 to FY 2022-23	Nil (As per checklist)	1. Furnished filled in Form-I, pre-feasibility report and check list as endorsed / submitted by the Tahasildar. 2. DSR has been submitted, which reveals that there is another quarry located in the same area (i.e. Suravi Brick Earth Quarry	No	3400	The SEAC recommended to grant EC valid from the date of EC accorded upto the lease period.


Secretary, SEAC

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
		Pin 759121			Odapada in the district of Dhenkanal of Sri Gobardhan Sahoo			<p>No-II, 1.825 Ha.)</p> <p>3. Topo sheet indicating location of the mine has been furnished.</p> <p>4. EMP has been submitted.</p> <p>5. Mining plan approved by the Joint Director Geology, Zonal Survey, Dhenkanal.</p> <p>6. No forest land involved in lease area.</p> <p>7. There is no protected areas i.e. National Park, Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Protected Monuments, Inter-State boundary and critically polluted area as identified by</p>			


 Secretary, SEAC

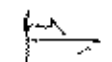
Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
								<p>CPCB etc. located within 5 km radius of the mine lease area.</p> <p>8. There is no court case / litigation pending.</p> <p>9. SEAC in its meeting held on 07.02.2020 decided to take decision on the proposal after receipt of certificate from the concerned Tahasildar that there is no other mines located within 500 m from the periphery of the proposed mine lease area as there is another mine in the same area as per DSR (I.e. Suravi Brick Earth Quarry No- 1, 1.825 Ha.)</p>			


 Secretary, SEAC

Sl. No	SEIAA File No	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
								10. Now Tahasildar Odapada vide letter no: 817, dated 27.02.2020 clarified that there is no mines located within 500m from the periphery of the proposed mining lease area (i.e. Suravi Brick Earth Quarry No- 1, 1.825 Ha.)			
13.	SEIAA - 41/01-2020	Sri Gyanendra Samal (Owner) M/s. Kalia Klin Bricks Earth At /Po. Khadagprasad Ps - Motanga Dist - Dhenkanal	Dhenkanal	Brick Earth	Proposal for Environmental Clearance for Kalia Klin Brick Earth over an area of 2.45 acres or 0.991 ha in village Khadagprasad of Khadagprasad Gram Panchayat	5years FY 2018-19 to 2022-23	Nil (As per checklist)	1. Furnished filled in Form-I, pre-feasibility report and check list as endorsed / submitted by the Tahasildar. 2. DSR has been submitted, which reveals that there is another quarry located in the same area (i.e. Khadagprasad	No	2016	The SEAC recommended to grant EC valid from the date of EC accorded upto the lease period.


 Secretary, SEAC

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
		, Odisha Pin : 759121			Tahasil Odapada in the district of Dhenkanal of Sri Gyanendra Samal			<p>Quarry No- 1, 0.756 Ha.)</p> <p>3. Topo sheet indicating location of the mine has been furnished.</p> <p>4. EMP has been submitted.</p> <p>5. Mining plan approved by the Joint Director Geology, Zonal Survey, Dhenkanal..</p> <p>6. No forest land involved in lease area</p> <p>7. There is no protected areas i.e. National Park, Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Protected Monuments, Inter-State boundary and critically polluted</p>			



 Secretary, SEAC

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
								<p>area as identified by CPCB etc. located within 5 km radius of the mine lease area.</p> <p>8. There is no court case / litigation pending.</p> <p>9. SEAC in its meeting held on 07.02.2020 decided to take decision on the proposal after receipt of following from the concerned Tahasildar:</p> <p>(a) Certificate from the concerned Tahasildar that there is no other mines located within 500 m from the periphery of the proposed mine lease area as there</p>			




Secretary, SEAC


Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
								<p>is another mine in the same area as per DSR (i.e. Khadagprasad Quarry No- 1, 0.756 Ha.)</p> <p>(b) Location of the mine / mines shall be shown in village sheet and submitted.</p> <p>(c) Since, the kissam of the land is sarad, the ownership of the plot be ascertain. Sarad kissam having potential for agriculture should not be used for Brick Earth.</p> <p>10. Now Tahasilidar Odapada vide letter no: 817,</p>			


 Secretary, SEAC


Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
								<p>dated 27.02.2020 clarified that:</p> <p>(i) There is no other mines located within 500 m from the periphery of the proposed mine lease area (i.e. Khadagprasad Brick Earth Quarry No – II, 0.991 Ha.).</p> <p>(ii) The village sheet showing the location of the proposed lease area is enclosed.</p> <p>(iii) Though the kissam of the land is Sarad but this land is not fit for agricultural purposes because due to high land. The land is laying as barren land since 15 to 20 years. As it is un-fit/un-irrigated</p>			


 Secretary, SEAC


Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
								and highly in un-conducive for agriculture.			
14.	SEIAA - 42/01-2020	Sri Bibhuti Bhusan Dhal (Owner) M/s. Sriram Klin Bricks Earth At /Po. Khadagaprasad Ps - Motanga Dist - Dhenkanal, Odisha Pin : 759121	Dhenkanal	Brick Earth	Proposal for Environmental Clearance for Sriram Klin Brick Earth over an area of 1.87 acres or 0.757 ha in village Khadagprasad of Khadagprasad Gram Panchayat Tahasil Odapada in the district of Dhenkanal of Sri Bibhuti Bhusan Dhal	5years FY 2018-19 to 2022-23	Nil (As per checklist)	<ol style="list-style-type: none"> 1. Furnished filed in Form-I, Pre-feasibility report and check list forwarded by Tahasildar. 2. DSR has been submitted, which reveals that there is another quarry located in the same area (i.e. Khadagprasad Quarry No- II, 0.991 Ha.) 3. Topo sheet indicating location of the mine has been furnished. 4. EMP has been submitted in cluster approach. 5. Mining plan approved by the 	No	4575	The SEAC recommended to grant EC valid from the date of EC accorded upto the lease period.


 Secretary, SEAC


Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (In m ³)	Recommendation of the SEAC
								<p>Joint Director Geology, Zonal Survey, Dhenkanal.</p> <p>6. No forest land involved in lease area</p> <p>7. There is no protected areas i.e. National Park, Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Protected Monuments, Inter-State boundary and critically polluted area as identified by CPCB etc. located within 5 km radius of the mine lease area.</p> <p>8. There is no court case / litigation pending.</p> <p>9. SEAC in its meeting held on 07.02.2020 decided</p>			


 Secretary, SEAC


Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
								<p>to take decision on the proposal after receipt of following from the concerned Tahasildar:</p> <p>(a) Certificate from the concerned Tahasildar that there is no other mines located within 500 m from the periphery of the proposed mine lease area as there is another mine in the same area as per DSR (i.e. Khadagprasad Quarry No- II, 0.991 Ha.)</p> <p>(b) Since, the kissam of the land is sarad, the</p>			


 Secretary, SEAC

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
								<p>ownership of the plot be ascertain. Sarad kissam having potential for agriculture should not be used for Brick Earth.</p> <p>10. Now Tahasildar Odapada vide letter no: 817, Dt: 27.02.2020 clarified that:</p> <p>(i) There is no other mines located within 500 m from the periphery of the proposed mine lease area (i.e. Khadagprasad Brick Earth Quarry No - 1, 0.757 Ha.).</p> <p>(ii) Though the kissam of the land is Sarad but</p>			


 Secretary, SEAC

Sl No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m ³)	Recommendation of the SEAC
								this land is not fit for agricultural purposes because due to high land. The land is laying as barren land since 15 to 20 years. As it is unfit/un-irrigated and highly in un-conducive for agriculture.			


Chairman (Working), SEAC


Secretary, SEAC

CONDITIONS TO BE STIPULATED IN ENVIRONMENTAL CLEARANCE FOR PROPOSED (G+9) AND (G+4) STORED RESIDENTIAL-CUM-COMMERCIAL WITH MULTIPLEX BUILDING AT- MOUZA – BARAMUNDA, BHUBANESWAR, DIST-KHORDHA (BUILT UP AREA – 26,812.794 M²) OF M/S HARASHPRIYA CONSTRUCTIONS PVT LTD. (EC)

PART A - SPECIFIC CONDITIONS:

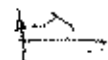
1. Consent to Establish / Operate for the project shall be obtained from the State Pollution Control Board as required under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.
2. The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of fire fighting equipment etc. as per National Building Code including protection measures from lightening etc.
3. The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
4. The project proponent shall ensure that the guidelines for building and construction projects issued vide this Ministry's OM NO.19-2/2013-(A.II) dated 9th June, 2015, are followed to ensure sustainable environmental management.

TOPOGRAPHY AND NATURAL DRAINAGE

5. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape and other Sustainable Urban Drainage Systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.

WATER REQUIREMENT, CONSERVATION, RAIN WATER HARVESTING, AND GROUND WATER RECHARGE

6. As proposed, fresh water requirement from ground water shall not exceed 115.0 m³ per day.
7. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
8. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC and SEIAA, Odisha along with six monthly Monitoring reports.
9. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc. and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.



Secretary, SEAC

10. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc.) for water conservation shall be incorporated in the building plan.
11. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
12. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
13. The local bye-law provisions on rain water harvesting should be followed. If local bye-law provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rain water harvesting recharge pits of 15 nos. shall be provided.
14. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering. The proponent shall also obtain permission from Water Resources Department, Govt. of Odisha for drawal of water.

SOLID WASTE MANAGEMENT

15. The provisions of the Solid Waste (Management) Rules, 2016, E-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
16. Disposal of muck during construction phase shall not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
17. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials. Wet garbage shall be composted in Organic Waste Converter. Adequate area shall be provided for solid waste management within the premises which will include area for segregation, composting. The inert waste from group housing project will be sent to dumping site.
18. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
19. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the Municipal Solid Waste generated from project shall be obtained.

SEWAGE TREATMENT PLANT

20. Sewage shall be treated in STP of capacity 180 KLD. The treated effluent from STP shall be recycled/re-used for flushing, gardening and DG Cooling.
21. A certificate from the competent authority shall be obtained for discharging treated effluent/ untreated effluents into the Public sewer/disposal/drainage systems along with the final disposal point.




Secretary, SEAC

22. No sewage or untreated effluent water would be discharged through storm water drains.
23. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the SEIAA, Odisha before the project is commissioned for operation. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.
24. Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

ENERGY

25. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC. Outdoor and common area lighting shall be LED. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
26. Energy conservation measures like installation of CFLs / LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning. Used CFLs, TFL and LED shall be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination.
27. Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 5% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher. Follow super ECBC requirement of ECBC 2017 and provide compliance report.
28. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.
29. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, compressed earth blocks, and other environment friendly materials. Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in building construction.


Secretary, SEAC

30. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project shall be submitted.

AIR QUALITY AND NOISE

31. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3 meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site. Sand, murrum, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution. Wet jet shall be provided for grinding and stone cutting. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
32. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules, 2016. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
33. Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
34. The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
35. For indoor air quality the ventilation provisions as per National Building Code of India shall be provided.
36. Ambient noise levels shall conform to residential standard both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.

GREEN COVER

37. No tree cutting/transplantation of existing trees has been proposed in the instant project. A minimum of 1 tree for every 80 m² of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping. As proposed, 1590.0 m² (20.35 %) of plot area shall be provided for green area development.



Secretary, SEAC

TOP SOIL PRESERVATION AND REUSE

38. Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.

TRANSPORT

39. **The Bhubaneswar Development Authority shall seek a detailed specific traffic density study report of Operation Research (OR) Expert before giving the final building plan approval. The proponent shall also submit a copy of the same to the SEIAA, Odisha.**
40. A comprehensive mobility plan, as per Ministry of Urban Development best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
- Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
 - Traffic calming measures
 - Proper design of entry and exit points.
 - Parking norms as per local regulation
41. A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project.
42. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
43. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.

ENVIRONMENT MANAGEMENT PLAN

44. An Environmental Management Plan (EMP) shall be prepared and implemented to ensure compliance with the environmental conditions specified above. A dedicated Environment Monitoring Cell with defined functions and responsibility shall be put in place to implement the EMP. The environmental cell shall ensure that the environment infrastructure like Sewage Treatment Plant, Landscaping, Rain Water Harvesting, Energy efficiency and conservation, water efficiency and conservation, solid waste management, renewable energy etc. are kept operational and meet the required standards. The environmental cell shall also keep the record of environment monitoring and those related to the environment infrastructure.




Secretary, SEAC

OTHERS

45. Provisions shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
46. A First Aid Room shall be provided in the project both during construction and operations of the project.
47. The company shall draw up and implement corporate social Responsibility plan as per the Company's Act of 2013.
48. As per the MoEF&CC, Govt. of India Office Memorandum F.No.22-65/2017-IA.III dated 1st May 2018, the project proponent is required to prepare and implement Corporate Environment Responsibility (CER) Plan. As per para 6(ii) of the said O.M. appropriate funds shall be earmarked for the activities such as infrastructure creation for drinking water supply, sanitation, health, education, skill development, roads, cross drains, electrification including solar power, solid waste management facilities, scientific support and awareness to local farmers to increase yield of crop and fodder, rain water harvesting, soil moisture conservation works, avenue plantation, plantation in community areas etc. The activities proposed under CER shall be restricted to the affected area around the project. The entire activities proposed under the CER shall be treated as project and shall be monitored. The monitoring report shall be submitted to the regional office as a part of half yearly compliance report, and to the District Collector. It should be posted on the website of the project proponent.

PART B – GENERAL CONDITIONS

1. A copy of the Environmental Clearance letter shall also be displayed on the website of the concerned State Pollution Control Board. The EC letter shall also be displayed at the Regional Office, District Industries centre and Collector's Office/ Tehsildar's office for 30 days.
2. The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year-wise expenditure shall be reported to the SEIAA, Odisha and MoEF&CC, Govt. of India and its concerned Regional Office.
3. Officials from the Regional Office of MoEF&CC, Bhubaneswar who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/data by the project proponents during their inspection.
4. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by the SEIAA, Odisha.
5. The SEIAA, Odisha reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.


Secretary, SEAC

6. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, the Forest Conservation Act, 1980 and the Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.
7. These stipulations would be enforced among others under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and the EIA Notification, 2006.
8. The project proponent shall advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the State Pollution Control Board and may also be seen on the website of the SEIAA, Odisha. The advertisement shall be made within Seven days from the date of receipt of the Clearance letter and a copy of the same shall be forwarded to the Regional Office of MoEF&CC, Bhubaneswar.
9. Any appeal against this clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
10. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad / Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.
11. The proponent shall submit/upload six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF&CC, Govt. of India, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
12. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF&CC, Govt. of India by E-mail.



Secretary, SEAC

REPORT OF THE SITE VISIT OF THE SUB-COMMITTEE OF SEAC TO THE PROJECT SITE OF M/S ALTRADE CONSTRUCTION PVT. LTD. AT GHATIKIA, BHUBANESWAR ON 21.12.2019

The site visit was undertaken by the following members:

1. Sri. B.P. Singh
2. Dr. D. Swain
3. Prof. (Dr.) B.K. Satapathy
4. Sri. J.K. Mahapatra

1.00 During the site visit, the project proponent showed the location of the proposed another 250 mm dia sewer line, about 320 meter distance (as stated by OWSBB) from the proposed apartment premises to which they intend to discharge 51 KLD treated waste water from STP (as per water balance).

In this context, the proponent is required to submit the consent by the Sewerage Board on the following:

- (i) They will complete the proposed above 250 mm dia sewer line within a maximum period of 3 years to synchronise the completion of the apartment project and will also allow and take sewage load of the proposed apartment.
- (ii) If the Sewerage Board give consent as stated above at (i), then the project proponent is required to submit the relevant land document / land title / lease / "Right to use" document as necessary in their favour for the land required to lay the pipe line / construct drainage connecting the discharge point of treated waste water of STP of the apartment and the proposed 250 mm dia Sewer line at a distance of about 320 meter for the proposed apartment premises.
- (iii) Drainage drawing / contours / design for the above purpose.
- (iv) Due to higher gradient of the proposed sewer line, detail pumping arrangement with explanation is also required.

2.00 The project proponent showed a storm water drain (as that a defined contour) falling in no. 9 drain and they want to discharge their treated waste water to it. This distance may be around 2 km. (an estimate)

In this situation, the project proponent is required to submit:

- (i) Drainage Plan / design and drawing for the same connecting their apartment premises till no. 9 drain of BMC. In future, the proponent may explore connecting it to the sewage line (under construction) after taking due permission from the authority.

(ii) Ownership of the land for the purpose in favour of the proponent either in shape of / through purchase / lease / "Right to use". The entire land appears to be private land.

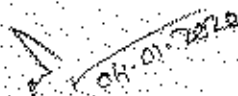
3.00 BMC / PHED water supply was found to be available nearby. So, the project proponent is advised to take supply of domestic water as required from this source and do away with ground water through Bore Well.

However, subject to 'NOC' from CGWA and permission from Water Resources Department, Govt. of Odisha for use of ground water, the proponent may be allowed to use of one bore well (limiting to maximum 25% of the total demand) as a standby source and dispense use with their proposal of two bore wells.

4.00 The project proponent is required to submit the test report of water sample of near by ground water source and PHED / BMC water supply to the Committee to take a decision as to the necessity of Water Treatment Plant for the project to ensure quality water supply to the inhabitants.

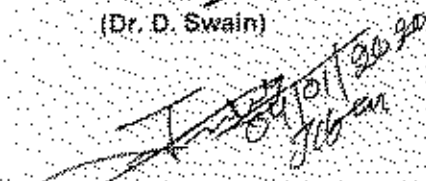
5.00 The number of plants in green belt shall be increased so that STP waste water will be reduced.

Besides other compliances as necessary, SEAC will take a decision after receipt of the above documents / informations as observed above by the Sub-Committee.


(Sri. B.P. Singh)


(Dr. D. Swain)


Prof. (Dr.) B.K. Satapathy


(Sri. J.K. Mahapatra)

CONDITIONS TO BE STIPULATED IN ENVIRONMENTAL CLEARANCE FOR TWO BLOCKS OF (B+G+13) & TWO BLOCKS OF B+G+9) MULTISTORIED AND ONE BLOCK OF (G+6) EWS RESIDENTIAL APARTMENT BUILDING AT KORADAKANATA & JHARAPADA, BHUBANESWAR OF M/S PREMSHREE REAL ESTATE PVT. LTD WITH TOTAL BUILT UP AREA 34862.14 M² (EC)

PART A - SPECIFIC CONDITIONS:


1. Consent to Establish / Operate for the project shall be obtained from the State Pollution Control Board as required under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.
2. The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of fire fighting equipment etc. as per National Building Code including protection measures from lightning etc.
3. The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
4. The project proponent shall ensure that the guidelines for building and construction projects issued vide this Ministry's OM NO.19-2/2013-IA.III dated 9th June, 2015, are followed to ensure sustainable environmental management.

TOPOGRAPHY AND NATURAL DRAINAGE

5. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape and other Sustainable Urban Drainage Systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
6. The project proponent shall submit the drainage plan / map duly vetted by officials of BDA within 3 months from date of issue of the Environmental Clearance, failing which Environmental Clearance shall be withdrawn.

WATER REQUIREMENT, CONSERVATION, RAIN WATER HARVESTING, AND GROUND WATER RECHARGE

7. As proposed, fresh water requirement from ground water shall not exceed 94.0 m³ per day.
8. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
9. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC and SEIAA, Odisha along with six monthly Monitoring reports.


Secretary, SEAC


10. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc. and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
11. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc.) for water conservation shall be incorporated in the building plan.
12. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
13. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
14. The local bye-law provisions on rain water harvesting should be followed. If local bye-law provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rain water harvesting recharge pits of 23-nos. shall be provided.
15. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering. The proponent shall also obtain permission from Water Resources Department, Govt. of Odisha for drawal of water.

SOLID WASTE MANAGEMENT

16. The provisions of the Solid Waste (Management) Rules, 2016; E-Waste (Management) Rules, 2016; and the Plastics Waste (Management) Rules, 2016 shall be followed.
17. Disposal of muck during construction phase shall not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
18. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials. Wet garbage shall be composted in Organic Waste Converter. Adequate area shall be provided for solid waste management within the premises which will include area for segregation, composting. The inert waste from group housing project will be sent to dumping site.
19. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
20. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the Municipal Solid Waste generated from project shall be obtained.

SEWAGE TREATMENT PLANT


21. Sewage shall be treated in STP of capacity 140 KLD. The treated effluent from STP shall be recycled/re-used for flushing, gardening and DG Cooling.


Secretary, SEAC

22. A certificate from the competent authority shall be obtained for discharging treated effluent/ untreated effluents into the Public sewer/disposal/drainage systems along with the final disposal point.
23. No sewage or untreated effluent water would be discharged through storm water drains.
24. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the SEIAA, Odisha before the project is commissioned for operation. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.
25. Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

ENERGY

26. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC. Outdoor and common area lighting shall be LED. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
27. Energy conservation measures like installation of CFLs / LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning. Used CFLs, TFL and LED shall be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination.
28. Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 5% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher. Follow super ECBC requirement of ECBC 2017 and provide compliance report.
29. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.
30. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, compressed earth blocks, and other environment friendly materials. Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification


Secretary, SEAC

of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in building construction.

31. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project shall be submitted.

AIR QUALITY AND NOISE

32. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3 meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site. Sand, murrum, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution. Wet jet shall be provided for grinding and stone cutting. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
33. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules, 2016. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
34. **Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.**
35. The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
36. For indoor air quality the ventilation provisions as per National Building Code of India shall be provided.
37. Ambient noise levels shall conform to residential standard both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.

GREEN COVER

38. No tree cutting/transplantation of existing trees has been proposed in the instant project. A minimum of 1 tree for every 80 m² of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not



Secretary, SEAC

be used for landscaping. As proposed 20% of plot area shall be provided for green area development.

TOP SOIL PRESERVATION AND REUSE

39. Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.

TRANSPORT

40. A comprehensive mobility plan, as per Ministry of Urban Development best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria
- Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
 - Traffic calming measures
 - Proper design of entry and exit points.
 - Parking norms as per local regulation
41. A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project.
42. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
43. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.

ENVIRONMENT MANAGEMENT PLAN

44. An Environmental Management Plan (EMP) shall be prepared and implemented to ensure compliance with the environmental conditions specified above. A dedicated Environment Monitoring Cell with defined functions and responsibility shall be put in place to implement the EMP. The environmental cell shall ensure that the environment infrastructure like Sewage Treatment Plant, Landscaping, Rain Water Harvesting, Energy efficiency and conservation, water efficiency and conservation, solid waste management, renewable energy etc. are kept operational and meet the required standards. The environmental cell shall also keep the record of environment monitoring and those related to the environment infrastructure.




Secretary, SEAC

OTHERS

45. Provisions shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
46. A First Aid Room shall be provided in the project both during construction and operations of the project.
47. The company shall draw up and implement corporate social Responsibility plan as per the Company's Act of 2013.
48. As per the MoEF&CC, Govt. of India Office Memorandum F.No.22-65/2017-IA,III dated 1st May 2018, the project proponent is required to prepare and implement Corporate Environment Responsibility (CER) Plan. As per para 6(ii) of the said O.M. appropriate funds shall be earmarked for the activities such as infrastructure creation for drinking water supply, sanitation, health, education, skill development, roads, cross drains, electrification including solar power, solid waste management facilities, scientific support and awareness to local farmers to increase yield of crop and fodder, rain water harvesting, soil moisture conservation works, avenue plantation, plantation in community areas etc. The activities proposed under CER shall be restricted to the affected area around the project. The entire activities proposed under the CER shall be treated as project and shall be monitored. The monitoring report shall be submitted to the regional office as a part of half yearly compliance report, and to the District Collector. It should be posted on the website of the project proponent.

PART B – GENERAL CONDITIONS

1. A copy of the Environmental Clearance letter shall also be displayed on the website of the concerned State Pollution Control Board. The EC letter shall also be displayed at the Regional Office, District Industries centre and Collector's Office/ Tehsildar's office for 30 days.
2. The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year-wise expenditure shall be reported to the SEIAA, Odisha and MoEF&CC, Govt. of India and its concerned Regional Office.
3. Officials from the Regional Office of MoEF&CC, Bhubaneswar who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/data by the project proponents during their inspection.
4. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by the SEIAA, Odisha.
5. The SEIAA, Odisha reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.


Secretary, SEAC

6. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, the Forest Conservation Act, 1980 and the Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.
7. These stipulations would be enforced among others under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and the EIA Notification, 2006.
8. The project proponent shall advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the State Pollution Control Board and may also be seen on the website of the SEIAA, Odisha. The advertisement shall be made within Seven days from the date of receipt of the Clearance letter and a copy of the same shall be forwarded to the Regional Office of MoEF&CC, Bhubaneswar.
9. Any appeal against this clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
10. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad / Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.
11. The proponent shall submit/upload six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF&CC, Govt. of India, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
12. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF&CC, Govt. of India by E-mail.