

**PROCEEDINGS OF THE MEETING OF STATE LEVEL EXPERT APPRAISAL
COMMITTEE, ODISHA HELD ON 21ST AUGUST, 2017**

The SEAC met on 21.08.2017 at 11:00 AM in the Conference Hall of Odisha State Pollution Control Board, Bhubaneswar under the Chairmanship of Dr. B.K. Patnaik. The following members were present in the meeting.

- | | | | |
|-----|--------------------|---|----------|
| 1. | Dr. B.K. Patnaik | - | Chairman |
| 2. | Sri B.P. Singh | - | Member |
| 3. | Dr. Dibakar Swain | - | Member |
| 4. | Prof. P.K. Mohanty | - | Member |
| 5. | Dr. D.K. Rout | - | Member |
| 6. | Sri. B.C. Prusty | - | Member |
| 7. | Dr. S.C. Nayak | - | Member |
| 8. | Sri Sridhar Behera | - | Member |
| 9. | Dr. R.C. Mohanty | - | Member |
| 10. | Sri. A.C. Mohanty | - | Member |

The agenda-wise proceedings and recommendations of the committee are detailed below:

ITEM NO. 1

SCREENING AND SCOPING OF FOLLOWING COUNTRY LIQUOR PROPOSALS:

1. The following country liquor proposals have been received for screening and scoping in light of EIA Notification, 2006 and amendment thereafter.

Sl. No.	Name and Address	Capacity	Waste Water generation
i.	Main Out Still Liquor Shop at Khallikote, Dist-Ganjam of Smt. Geetanjali Bisoi.	2.748 KLD	2 KLD
ii.	Main Out Still Liquor Shop at Dengapadar, Dist-Ganjam of Smt. Topai Mallik.	3.606 KLD	1 KLD
iii.	Main Out Still Liquor Shop at Jaleswarpur, Dist-Ganjam of Mr. Bhaskar Sahu.	7.386 KLD	1 KLD
iv.	Main Out Still Liquor Shop at Mahuda, Dist-Ganjam of Mrs. Dusmantha Polai.	6.012 KLD	1 KLD
v.	Main Out Still Liquor Shop at Anantei, Dist-Ganjam of Mr. Sisir Kumar Bisoyi.	5.514 KLD	1 KLD
vi.	Main Out Still Liquor Shop at Hatipada, Dist-Ganjam of Ranga Heremba Reddy.	2.748 KLD	1 KLD

The proponents of above projects made detailed presentation on the proposal.

The committee observed that the above units are generating waste water less than 100 KLD. After detailed discussion, the SEAC considered the above proposals as B2 category and recommended for Environmental Clearance with stipulated conditions recommended for category B2 projects earlier.


Secretary, SEAC

ITEM NO. 2

CONSIDERATION OF OLD PROPOSALS:

1. **PROPOSAL FOR ENVIRONMENTAL CLEARANCE FOR EXPANSION OF PRODUCTION CAPACITY OF CAUSTIC SODA FROM 72,000 TPA TO 105,000 TPA, ITS BI-PRODUCT AND VALUE ADDED DERIVATIVES BY M/S. GRASIM INDUSTRIES LTD, GANJAM (EC).**

M/s Grasim Industries Ltd. (GIL), Jayashree, Ganjam is engaged in the manufacturing of the Caustic Soda Lye, Now, company proposes to increase production capacity by increasing existing Caustic Soda Lye production and also plans to produce new products like Poly Aluminium chloride, Calcium Chloride, Carbon Dioxide, Stable Bleaching Powder (SBP) and Chlorinated Paraffin (CP). The proponent has obtained EC from MoEF&CC, Govt. of India on 23.08.2007 for production of Caustic Soda 72,000 TPA under 1994 EIA Notification. Membrane Cell technology being used since January 2011; same technology will be adopted for proposed expansion unit. The unit is located at Ganjam Notified Area Council (NAC), Ward No. 10; Block - Chhatrapur; Ganjam, Odisha. The Latitude: is 19°22'46.90"N and Longitude: 85° 3'13.43"E. Rushikulya River- is 250 m from main plant and NH-16 is 0.5 km. The product and bi-product of existing and proposed expansion project is summarized as follows:

Name of product	Production Capacity (TPA)		
	Existing (a)	Proposed (b)	Total (a + b)
Caustic Soda	72,000	33,000	105,000
Liquid Chlorine	46,350	26,650	73,000
Hydrochloric Acid	60,000	30,000	90,000
Hydrogen Gas- Million NM3	21.17	9.83	31.0
Sodium Hypochlorite	32400	1300	33700
Poly Aluminum Chloride- 10 % liquid	-	73,000	73,000
Calcium Chloride	-	18,250	18,250
Carbon Di Oxide	-	7,300	7,300
Stable Bleaching Powder	-	18,250	18,250
Chlorinated Paraffin's	-	18,250	18,250

The total land area under GIL-Ganjam plant is 130 acres. The main plant is located an area of 30 acres. The proposed expansion will be constructed with the available land of main plant. No additional land will be required for the project. The existing water requirement for the plant is 2360 KLD. After the expansion, total industrial requirement is expected to be 3500 KLD. Water for the plant will be sourced from bore well near Kalyanpur. Construction phase water requirement will be 60-70 KLD and same will be sourced from existing supply of the plant. The existing power requirement for the plant and residential colony is 16 MW. After, expansion, total power requirement for the plant will be 30 MW. The required power is sourced from 132 KV power line from OPTCL. The existing back up DG set is 750+180 KVA. The existing manpower for the plant is 287. After expansion, total man power requirement will 331. The man power requirement during peak construction phase will be 60. The existing and proposed expansion unit will also use the Membrane Cell technology. The primary raw materials are salt (NaCl) and water (demineralised water).



Secretary, SEAC

During manufacturing of process of Caustic Soda, Hydrogen and Chlorine gas as co products are generated. HCl will be produced by using Hydrogen and Chlorine gases from Chlor-alkali Unit. The sodium hypochlorite is by product of this unit. The Hydrogen gas will be used in the boiler. The air emission from the process is waste Cl₂ gas and HCl vapour; this will be treated through Alkali Scrubber and Water Scrubber.

The raw materials required for Chlorinated Paraffin (CP) is paraffin and liquid chlorine. During the manufacturing process CP is the main product and HCl is the by-product. The air emission from the process is waste Cl₂ gas and HCl vapour; this will be treated through Alkali Scrubber and Water Scrubber. PAC is manufactured by chemical reaction between alumina hydrate powder and hydrochloric acid. Emission- HCl vapour from this unit will be absorbed in Water Scrubber.

Stable Bleaching Powder (SBP) is manufactured as a consequence of composite chemical reaction between hydrated lime and liquid chlorine. Emission of Cl₂ gas from the unit will be treated through Water Scrubber and then Caustic Scrubber. The raw materials for CaCl₂ are CaCO₃ and HCl. Emission –HCl vapour from the unit will be treated through Water Scrubber and then Caustic Scrubber. After scrubbing CO₂ gas will be generated as a by-product.

The air emission from the plant will be Cl₂ gas and HCl vapour. The Cl₂ will be treated through Caustic scrubber and emission rate will be 3 mg/Nm³ (standard 15 mg/Nm³). HCl will be treated through water scrubber and emission rate will be 10 mg/Nm³ (standard 35 mg/Nm³). The quantity of effluent generated from the existing unit is 95 KLD and after expansion the volume will be remain same. The effluent will be treated through ETP (capacity 150 KLD) and treated effluent will be discharge to Guard Pond for Solar evaporation.

The solid waste generated from the process is brine sludge (8.5 tons/ day), which is non-hazardous in nature and same will be disposed in the captive landfill site. The hazardous waste from the industrial process will be (i) used/spent oil, (ii) contaminated cotton rags or other cleaning materials and (iii) spent resin. Hazardous waste will be stored and disposed as per Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016. The total greenbelt and plantation area of the plant is approximately 28.62 acres; i.e. 22.02% of the total project site. Additional 14.28 acres plantation will be carried out to achieve 33% greenbelt area.

ToR was issued by the SEAC, Odisha on 09.12.2016 for EIA study. Public hearing was conducted on dated 23.05.2017. Final EIA report was submitted to SEIAA, Odisha on dated 09.06.2017.

The consultant **M/s ERM India Private Ltd., Building 10A, 4th floor, DLF Cyber City, Gurgaon** has made a detailed presentation on behalf of the project proponent on final EIA report on 21.07.2017. The SEAC decided to take decision on the proposal after receipt of certain information / documents from the proponent. The proponent furnished the compliance and the SEAC verified the same as follows.

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of the SEAC
1.	Copy of permission obtained from the CGWA, Govt. of India as well as Water Resources Department, Govt.	Copy of permission from CGWA vide letter No.21-4(17)/SER/CGWA/2007-573 dated 15-03-2017 for ground water withdrawal of 2360 M3/ day for existing plant operation has been	Complied


 Secretary, SEAC

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of the SEAC
	of Odisha for drawal of ground water for existing plant.	submitted. They have applied to water Resources Dept., Govt. of Odisha for execution of agreement for drawal of 2360 KLD as per NOC from CGWA for which monthly bill raised by Executive Engineer, Irrigation Division Berhampur.	
2.	Status of permission from CGWA, Govt. of India as well as Water Resources Department, Govt. of Odisha for drawal of additional ground water for expansion project.	Regarding the water drawl for proposed expansion, we had approached to CGWA, Bhubaneswar, but they informed that CTE/CTO is the prerequisite to process application. Letter received from CGWA is attached as Annexure-2. After getting the NOC from CGWA, we will apply to Water Resource department for allocation of additional quantum.	Status of application submitted to Water Resources Department, if any to be intimated.
3.	Detailed proposal for alternative source of water to minimize the drawal of ground water.	They will conduct a feasibility study for alternative sources of water to minimize the impact on ground water resources for proposed expansion project. After conducting feasibility study, they will prepare an Action Plan for sourcing of water.	Condition to be stipulated in Environmental Clearance.
4.	They shall explore the alternative of the possibility to install desalination plant to minimize ground water drawal and a detailed proposal to this effect shall be submitted.	In this regard, they informed that their plant is located approximate 3km away from Rushikulya estuary and they have observed that the water quality with respect to salinity varies from 5 gpl to 20 gpl, which will be difficult to treat and utilize for process water. Since there is no uniformity in the brackish water quality due to tidal waves on regular basis, the salinity is varying in high ranges. However, they will plan to study for all the three seasons for feasibility, treatment and use of brackish water for industrial purposes.	Condition to be stipulated in Environmental Clearance.
5.	Detailed proposal for water reservoir to store rain water during rainy season for use of the same in the process to	They will conduct a feasibility study for alternative sources of water to minimize the impact on ground water drawl for proposed expansion project. The feasibility study will also include	Condition to be stipulated in Environmental Clearance.


 Secretary, SEAC

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of the SEAC
	minimize drawal of ground water including increasing the height of the boundary of the existing reservoir to avoid contamination of River Rushikulya.	the options for rainwater harvesting, storage in reservoir and use for process. They have committed to increase the height of embankment of existing reservoir to avoid the overflow.	
6.	Percentage of renewable energy (Solar) to be used and details of area of use.	Power requirement which is currently sourced through grid have component of renewable energy (Solar and Non-solar) in the form of tariff, however they are exploring solar power through generators located within the state of Odisha and necessary arrangements/ agreements will be concluded to the extent of 5% of total energy. In addition to the above, they will install the solar lighting facility in the site approach road and Jayashree Chemical English Medium School. They will also utilize the solar heating system in their Guest Houses	Condition to be stipulated in Environmental Clearance.
7.	Comparative statement of existing and proposed expansion with respect to land use, water requirement, waste water generation, Hazardous waste generation and pollution control measures.	Comparative statement furnished.	Complied.
8.	Detailed Hydrogeological study report of area.	It has been studied and reports available from the CGWB, Bhubaneswar, which indicates as under:- As per CGWB ground water resource estimation, the net ground water available in the Ganjam Block is 2865 hectare meter (HM1). The existing gross ground water draft for irrigation is 1375 HM and gross ground water draft for domestic and industrial uses	Copy of hydrological study report of area if studied by the proponent if any to be submitted by the proponent.


 Secretary, SEAC

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of the SEAC
		<p>is 204.94 HM totaling to 1579.94 HM. Therefore, stage of ground water draft is 55.15%. The provision of domestic & Industrial requirement supply for next 25 years is 208 HM. Therefore, additional 3.05 HM additional water is available for industrial & domestic use. Sourcing of 1140 KLD (0.114 HM) or 3.40% of available industrial & domestic use will not cause perceptible changes of ground water resources of the area or other competitive users of Ground water. The Rushikulya river water is saline in nature due to tidal effect; therefore, irrigation water, domestic and industrial has been sourced from the ground water.</p> <p>(Source: Ground Water Information Booklet of Ganjam District, CGWB, 2013)</p>	
9.	Copy of Wild Life Clearance of earlier project as well as status of Wild Life Clearance for expansion project.	<p>The copy wildlife clearance for earlier project has been furnished.</p> <p>The site specific wildlife management plan has been approved from the Chief Conservator of Forests (Wildlife) & Chief Wildlife Warden, Odisha vide letter No. 6821/1WL-FC-147/2016 dated 31st July 2017 for proposed expansion project. The copy of approval letter is furnished.</p>	Complied.
10.	Detailed Solid and Hazardous Waste Management Plan including storage, handling, compaction and plantation scientifically.	Detailed Solid and Hazardous Waste Management Plan including storage, handling, compaction and plantation scientifically has been furnished.	Condition to be stipulated in Environmental Clearance.
11.	Ground water monitoring was conducted at 6 locations far away from plant site. They had earlier disposed	During EIA study, 6 ground water monitoring locations were selected to analyse for physicochemical and bacteriological parameters and the results were compared with IS:	Complied.


 Secretary, SEAC

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of the SEAC															
	off Mercury Sludge inside the premises when they had mercury cell process. They need to conduct ground water monitoring inside the plant premises with respect to mercury contents and submit the analysis result.	10500:2012 drinking water standards. One of the monitoring location GW-1 was located within the plant area. The Monitoring map is presented. The monitoring results indicated that mercury content in the ground water was below detectable limit (<0.001 mg/l). Apart from the above we are regularly conducting ground water monitoring through NABL accredited agency within the plant premises.																
12.	Certificate from the State Pollution Control Board, Odisha with respect to compliance to the conditions stipulated in Consent to Operate for the existing plant.	Certified copy with respect to compliance to the conditions stipulated in CTO from Regional Officer, OSPCB has been furnished.	They have to obtain compliance certificate from Member Secretary, SPCB, Odisha.															
13.	Details of R.O. reject disposal practice.	In the proposed expansion unit, 525 KLD of RO reject will be generated which will be further treated by 2nd RO. The 2nd RO product of 395KLD will be utilized in the cooling make up and reject of 130 KLD will be utilized in the industrial process like, cylinder washing, fire hydrant make up and wash rooms for flushing. Detailed water balance has been furnished.	Condition to be stipulated in Environmental Clearance.															
14.	Detailed proposal to adopt zero discharge of effluent including drain contour study.	In the expansion project, 95 KLD process effluent will be generated from the plant and will be discharged to the Guard Pond for solar evaporation after treatment in ETP. There will be no additional waste water generation from the plant even after expansion. A. Chemical Analysis of existing guard pond water is as below: <table border="1" data-bbox="576 1758 1077 1910"> <thead> <tr> <th>Sl</th> <th>Parameters</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>pH</td> <td>8.45</td> </tr> <tr> <td>2</td> <td>Alkalinity as CaCO₃</td> <td>54</td> </tr> <tr> <td>3</td> <td>Total Hardness</td> <td>495.72</td> </tr> <tr> <td>4</td> <td>Total Residual</td> <td>< 0.10</td> </tr> </tbody> </table>	Sl	Parameters	Value	1	pH	8.45	2	Alkalinity as CaCO ₃	54	3	Total Hardness	495.72	4	Total Residual	< 0.10	Complied.
Sl	Parameters	Value																
1	pH	8.45																
2	Alkalinity as CaCO ₃	54																
3	Total Hardness	495.72																
4	Total Residual	< 0.10																


 Secretary, SEAC

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of the SEAC																								
		<table border="1"> <tr> <td>5</td> <td>Bio chemical</td> <td>24</td> </tr> <tr> <td>6</td> <td>Chemical Oxygen</td> <td>125</td> </tr> <tr> <td>7</td> <td>Total Suspended</td> <td>176</td> </tr> <tr> <td>8</td> <td>Chloride (mg/ltr)</td> <td>4997.74</td> </tr> <tr> <td>9</td> <td>Iron (mg/ltr)</td> <td>0.2</td> </tr> <tr> <td>10</td> <td>Nickel (mg/ltr)</td> <td>< 0.02</td> </tr> <tr> <td>11</td> <td>Arsenic (mg/ltr)</td> <td>< 0.01</td> </tr> <tr> <td>12</td> <td>Cadmium (mg/ltr)</td> <td>< 0.001</td> </tr> </table> <p>B. They will plan and propose for reuse of the water as below:</p> <ul style="list-style-type: none"> ✓ A separate water pipe line with pumping arrangement will be laid down to our staff colony for conveyance of water from guard pond which will be used for gardening. ✓ They will also plan for use of guard pond water for the purpose of dust suppression and gardening in the land fill site. ✓ Possibility will be explored and system will be provided for further treatment of the water and to utilize it in plant depending upon water quality. ✓ Waste water generated from the domestic sources will be treated through septic tank and soak pit. We also plan and propose to install Sewage Treatment Plant for treatment of domestic waste water. <p>However, they will initiate feasibility study for zero liquid discharge through, reuse, recycle, solar evaporation and multi effect evaporation.</p>	5	Bio chemical	24	6	Chemical Oxygen	125	7	Total Suspended	176	8	Chloride (mg/ltr)	4997.74	9	Iron (mg/ltr)	0.2	10	Nickel (mg/ltr)	< 0.02	11	Arsenic (mg/ltr)	< 0.01	12	Cadmium (mg/ltr)	< 0.001	
5	Bio chemical	24																									
6	Chemical Oxygen	125																									
7	Total Suspended	176																									
8	Chloride (mg/ltr)	4997.74																									
9	Iron (mg/ltr)	0.2																									
10	Nickel (mg/ltr)	< 0.02																									
11	Arsenic (mg/ltr)	< 0.01																									
12	Cadmium (mg/ltr)	< 0.001																									

The SEAC decided to take decision on the proposal after receipt of the following information/documents from the proponent.

1. Status of application submitted to Water Resources Department, if any to be intimated.
2. Copy of hydrological study report of area if studied by the proponent if any to be submitted.
3. Certificate from the Member Secretary, State Pollution Control Board, Odisha with respect to compliance to the conditions stipulated in Consent to Operate for the existing plant.


 Secretary, SEAC

4. **PROPOSAL FOR ENVIRONMENTAL CLEARANCE FOR BHAGABANPUR DECORATIVE STONE MINES OF M/S. ILIYAS GRANITES OVER AN AREA 24.225 HA AT VILLAGE BHAGABANPUR, TAHASIL KUKUDAKHANDI, DIST-GANJAM.**

Bhagabanpur Decorative Stone deposit of Area 24.225 Ha in village Bhagabanpur, Tehsil Kukudakhandi, District Ganjam has been allotted to M/s. Iliyas Granites, the lessee through long term quarry lease basis for quarrying of Decorative Stone (minor mineral) by Directorate of Mines, Govt. of Odisha vide terms & conditions letter No 900 dated 01.02.2016

Initially, Prospecting License over an area of 68.83 acres or 27.045 hectares including the granted M.L area over 59.86 acres or 24.225 hectares was granted for the period of two years in favor of the lessee. Accordingly, the prospecting operations in form of two trial pits & one trench were conducted over the area and geological as well as minerable reserve was submitted to the concerned authority for the purpose of processing the mining lease application in favor of the lease. The current allotment is in the name of M/s. Iliyas Granites through long term quarry lease basis, for the duration of twenty years.

Mining is proposed to be carried out by opencast semi mechanized method with deployment of machines like Excavator, Line Offset, compressor, jack-hammer, wire ropes and drill rod etc. The height of the benches will be 3mtr and width will be 6mtr and overall slope angle will be 45°.

About 25,900 cum per annum of production will be generated during the planned period and about 9,065 cum per annum of waste will be generated. The generated waste will be disposed from quarry faces to dump yard. The said Quarry area does not have any workshop within the lease area. Thus, no trade effluent is generated from the quarry site. However, during rainy season surface runoff containing suspended solids and silts flows out. Total number of employee will be around 32 which includes skilled, semi-skilled & un-skilled category in the mine. Water is used only for drinking, portable use, dust suppression and plantation. Total 4.8 KLD water is used per day for the above activities.

There is no such Ecologically Sensitive area as per Hon'ble Supreme Court Civil writ petition No.460 of 2004. There is no national park/wild life sanctuary/biosphere reserve/ tiger reserve/ elephant reserve in the lease area and buffer zone (10 km radius of the quarry area). There is no seasonal or perennial nala in the quarry area. There is no endangered fauna like elephant, sloth bear, python etc in & around the Quarry area.

The applied area is a part of the revenue village Bhagabanpur covers 59.86 acres or 24.225 hectares under Bhagabanpur Tahasil of Ganjam District, Odisha. The applied lease area is about 1.5 Km from Bhagabanpur village. The lease area can be approachable from Mahuri- Kalua road which is about 68 m from the applied area. The applied area is 5.5 km from Brahmapur Town. The applied ML area is about 156 km from the state capital.

For arresting dust and creation of green belts around the lease area plantation will be carried out during proposed Plan period. Besides these, road side plantation will be done with adequate number of saplings to avoid erosion and air pollution. They have proposed to develop a green belt in and along the periphery of the quarry lease area of during the plan period.

The Consultant M/s. **ENVIRTA Sustainable Solutions India Pvt. Ltd, 167/10-B, Vasundhara, Ghaziabad (U.P.)** made a detailed presentation on 19.04.2017 on behalf of the project proponent.



Secretary, SEAC

The SEAC decided to take decision on the proposal after receipt of the following information / documents from the proponent:

1. Certificate from the concerned Mining Officer indicating name, lease area and operational status of other mines located within 500 meter from the lease area.
2. Certificate from concerned DFO that there is no DLC land involved in lease area.
3. 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 as per cluster approach.
4. CSR activities and other activities where joint consensus is required to be done by all the mines owners in cluster and legally tenable agreement between them to this effect is to be submitted.
5. Manual loading of granite block should be avoided to prevent accident. Mechanical loading of granite block should be explored. An undertaking to this effect shall be submitted.
6. The proponent shall obtain safety clearance from DGMS before going for mining activity. A copy of application submitted to DGMS for safety clearance is to be submitted.
7. Detailed proposal for waste generation and its utilization is to be submitted.

The proponent has intimated that the Mining Officer and DFO are requesting a letter from SEAC, Odisha to issue necessary certificates and requested to issue a letter to the concerned Mining Officer and DFO in this regard. The SEAC in its meeting held on 12.06.2017, decided to communicate the decision of the SEAC to the concerned Mining Officer and DFO to issue necessary certificates. The concerned DFO and Mining Officer were informed accordingly. The proponent has meantime furnished hard copy of compliance, but not uploaded in online system. The SEAC decided to consider the proposal after the proponent upload the compliance in online system.

5. PROPOSAL FOR ENVIRONMENTAL CLEARANCE FOR PROPOSED 4 BLOCKS (G+12) STORIED RESIDENTIAL COMPLEX AT MOUZA SAMPUR, BHUBANESWAR WITH BUILT UP AREA 427097 SQM. BY FALCON REAL ESTATE (P) LTD.

M/s Falcon Real Estate Pvt. Ltd. have Proposed Construction of "one block of Integrated B+G+12 multistoried Residential Apartment Building, one block of G+4 storied (EWS) building and one block of Two storied Club-Cum-Society Building proposed over plot no. 800,803 & 829 , khata no. 223 & 83 at Mouza-Shampur, Dist- Khorda in the State of Odisha. This proposed residential building is a project with development of built-up area 29548.33 sqm (Excluding Basement & Stilt) & 39245.6 sqm (Including Basement & Stilt) in total plot area of 3.352 Acres or 13565 sqm. M/s Falcon Real Estate Pvt. Ltd. has proposed to construct Residential Building with society building. Project is located at nearer to Sum hospital, surrounding area is developed area. The proposed site comes under BDA (Bhubaneswar Development Authority and land use zone of the proposed site is Residential use Zone as per comprehensive development plan of Bhubaneswar development Authority. Site is located in Bhubaneswar adjacent to road which connected Shyampur village to studio chowk. Nearest Railway station is at Bhubaneswar at about 7.87 km away from the project site towards SE direction. Mancheswar railway station is 8.68 km away from the project site towards E direction.



Secretary, SEAC

Maximum height of the building is 42.15 m. Total parking area 8913.97 sqm . Total project costs is about 36 cores. Total Landscaping Area is : 5121.38 sqm (37.75 % of total area) .The daily power requirement for the proposed project is assessed as 1130 KW. The power will be entirely supplied through CESU. Also, in case of power cut, power backup generators will be provided. For this purpose 2X380 KVA & 1X200 KVA of silent type D.G set Connected to all part of the Residential Building. 20 No. of single bar light mounted poles in street for emergency lightning). Separate generator yard will be constructed for housing DG sets. Providing of renewable solar power system. During construction stage daily requirement of water will avg. 40 KLD which will be sourced from surface water through water tankers. During operation stage total water requirement will be about 117 KLD which will be sourced from PHED/bore well. One STP of 160KLD capacity will be provided for treatment of waste water generated from Residential area. Treated waste water (132 KLD) from Residential STP will be re-used 58 KLD for flushing & 31 KLD for Gardening in dry season. In monsoon season 31 KLD Treated waste water will be discharge to nearest municipal Drain .Solid waste generation will be approximately 0.658 T/Day which will be disposed by BMC or authorized third party .During the operational stage operation of Standby DG Sets and Vehicular Movements are main source for air pollution. Low sulfur diesel oil (LDO or HSD) will be used in DG sets. Water will be sprinkled to suppress dust, while cleaning and sweeping the roads and pavements. Proper traffic management and DG sets of silent type & provided with acoustic enclosure to control noise. Plantation along the peripheral boundary walls will also act as acoustic screen or vegetative barrier against the propagation of noise and pollutants. The approximate cost of the project is comes around 3.5 Crores.

The consultant M/s Visiontek Consultancy Services Pvt. Ltd., Bhubaneswar made a detailed presentation on behalf of the proponent on 23.05.2016. The committee decided to take decision on the proposal after receipt of certain information/documents from the proponent. The proponent has furnished the information / documents and the SEAC verified the same as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of the SEAC
1.	Certificate from the DFO about distance from the proposed site from the boundary of the notified Chandaka – Dampada sanctuary.	The unit has applied to DFO but DFO has not yet mentioned the distance. The unit has furnished the map which indicated the minimum distance from project site is 3.71 km. The building project is within permissible activity	Project needs regulatory clearance from wild life angle as it is situated within default eco sensitive zone (10 km from boundary) of notified Chandaka – Dampada wild life sanctuary. SBWL / NBWL may be approached for this clearance and status of application to be intimated.
2.	Detailed supporting documents with respect to land acquisition, and conversion alongwith land schedule of the proposed site.	The unit has furnished lease deed of the total land	The proponent has to furnish land schedule indicating kismam of land of total land area.
3.	Detailed calculation for green coverage i.e. atleast	Green area is 2713 m ² , which is 20% of the built up	Complied


 Secretary, SEAC

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of the SEAC
	20% of total area. (excluding lawn, landscape area etc.).	area.	
4.	Number of recharge pits to be increased as per the present environmental conditions of the area. A proposal to this effect along with calculation is to be submitted.	No of recharge pits – 6. Detailed justification is provided (80mm/hr)	Complied
5.	Detailed proposal for use of renewable energy.	Detailed proposal furnished for use of solar power, not less than 5% of total energy require.	Complied
6.	They have to modify the solid waste management plan as per new Rule notified in the year, 2016. The Form-I and Form-IA has to be revised accordingly incorporating the solid waste management as per the new Rule 2016.	Agreed to comply the rule with authorised agency	The unit has to submit modified Form-I and Form-IA indicating solid waste management plan as per new Rules notified in the year 2016.
7.	Detailed design of STP	Detail design furnished 160 KLD MBBR technology	Complied
8.	The proponent has to submit a proposal for zero discharge of effluent. If they will not able to adopt zero discharge concept, they have to identify the final discharge point of treated water and detail out let of the treated water is to be incorporated in the layout map and submitted.	Submitted proposal to connect to existing drain	The detailed map indicating the drain to be furnished.
9.	The proponent has to indicate the exact area earmarked for STP, solid waste storage and disposal in the layout map and revised layout map is to be submitted	Furnished the details.	Complied

The SEAC in its meeting held on 19.07.2016, decided to consider the proposal after receipt of certain information. The proponent has furnished the information / documents and the SEAC verified the same as follows:



Secretary, SEAC

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of the SEAC
1.	Project needs regulatory clearance from wild life angle as it is situated within default eco sensitive zone (10 km from boundary) of notified Chandaka – Dampada wild life sanctuary. SBWL / NBWL may be approached for this clearance and status of application to be intimated.	<ul style="list-style-type: none"> They have requested DFO about distance of the proposed site from the boundary of the notified Chandaka – Dampada wild life sanctuary. The DFO, Chandaka Wild Life division intimated that the aerial distance of the proposed site from the nearest boundary pillar of the Chandaka – Dampada wild life sanctuary can be ascertained through DGPS survey and for this purpose the project proponent may contact concerned authorities of ORSAC, Bhubaneswar for taking of survey. The proponent has also intimated that DGPS survey is under process. 	The proponent has to submit the certificate from the concerned DFO about the exact distance of the proposed site from the boundary of notified Eco-Sensitive zone of Chandaka – Dampada wild life sanctuary.
2.	Land schedule indicating kism of land of total land area.	Land schedule of total land given and the kism is "Gharabari".	Complied.
3.	Modified Form-I and Form-IA indicating solid waste management plan as per new Rules notified in the year 2016.	Modified Form-I and Form-IA indicating solid waste management plan as per new Rules notified in the year 2016 has been submitted.	Complied.
4.	Detailed map indicating the drain to be furnished.	Detailed map indicating the drain has been submitted.	Complied.

The SEAC in its meeting held on 18.01.2017 decided to consider the proposal after receipt of following document from the proponent and site visit by the sub-committee of the SEAC.

1. Certificate from the concerned DFO about the exact distance of the proposed site from the boundary of notified Eco-Sensitive zone of Chandaka – Dampada wild life sanctuary.

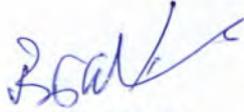
The proponent has submitted the letter of DFO vide no. No. 3520 4F (F.C. Act & Lease) dated 03rd August, 2017, where the DFO has intimated that Sampur Mouza is not coming under Chandaka - Dampara Wildlife Sanctuary & its Eco-sensitive zone. The distance of the proposed site from the nearest boundary pillar of Chandaka - Dampara Wildlife Sanctuary will be determined after necessary correction and authentication of DGPS survey map.



Secretary, SEAC

The SEAC decided to consider the proposal after receipt of following information.

1. Certificate from the concerned DFO about the exact distance of the proposed site from the boundary of notified Eco-Sensitive zone of Chandaka – Dampada wild life sanctuary.



DR. B. K. PATNAIK
CHAIRMAN

SRI B.P. SINGH
MEMBER, SEAC



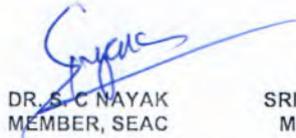
DR. D. SWAIN
MEMBER, SEAC



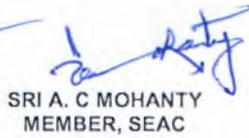
DR. D.K. ROUT
MEMBER



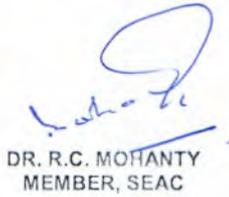
SRI B. C. PRUSTY
MEMBER, SEAC



DR. S. C. NAYAK
MEMBER, SEAC



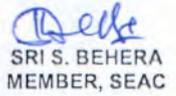
SRI A. C. MOHANTY
MEMBER, SEAC



DR. R.C. MOHANTY
MEMBER, SEAC

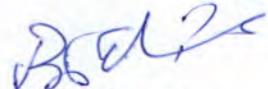


PROF. P.K. MOHANTY
MEMBER, SEAC



SRI S. BEHERA
MEMBER, SEAC

APPROVED



CHAIRMAN, SEAC



Secretary, SEAC