

**Minutes of the 48<sup>th</sup> Goa-State Environment Impact Assessment Authority (Goa-SEIAA) meeting held on 29<sup>th</sup> August 2019 (Thursday) at 4.00 pm at GCZMA office , Pundalik Nagar, Porvorim, Goa.**

The Forty Eighth meeting of the Goa-SEIAA (*hereinafter referred as 'Authority'*) was held on 29<sup>th</sup> August 2019 at 4.00pm p.m. in the chamber of member secretary, Porvorim, Goa. The list of members present during the meeting is at *Annexure – 1*.

At the outset, Member Secretary welcomed the Authority members and briefed about the agenda items (*refer Annexure – 2*) to be taken up for discussion / deliberations and suitable decisions. Accordingly, the same were considered as detailed below

**1. To decide on Goa SEAC s recommendation on Proposed Residential Complex by M/s Trinitas Developers India LLP at survey No 117/1A of Sancolae Village of Mormugao taluka In South Goa District.**

SSr.No	Description	Details
1	Name & location of the project	M/S Trinitas Developers India Ltd
2	Plot Area	8000.00 sq.m.
	Net plot Area	<b>Total Plot Area:</b> 8,000 Sq.m <b>Deductions:</b> <b>Net Plot Area:</b> 7787
4	FSI Area Non-FSI Area Total construction Area Building configuration & Height of the building	<b>FSI area (sq. m.):</b> 15,980.01 sq.m.  32,254.36 sq.m.
5	No. of shops	Construction of 1 building having 4 Wings Total 332 flats 1 BHK- 204 2BHK- 32 Studio-96
6	Total water requirement(Construction/operation phase)	<b>Total water requirement = 167 cmd</b> <b>Fresh Water from PWD = 114 cmd</b> <b>Treated Water from STP = 120cmd</b>
7	Sewage generation	<b>Sewage generated:</b> 143 cmd
8	STP Capacity	<b>STP capacity:</b> STP of 145 cmd cmdMBBR
9	Total Solid Waste Quantities	<b>Construction Phase :</b> 1-2 MT/day <b>Operation Phase :</b> 747 kg/day
10	RG Area	
11	No. of trees	0
12	Energy Efficiency	
13	Parking 4 W and 2W	332 ECS
14	Power requirement	<b>Source :</b> GOA State Electricity <b>Construction Phase :</b> 20HP <b>Operation Phase :</b> 3000 KVA DG 2X160 Kg.day
15	D.G set Capacity	2 * 160 KVA (during power failure)

16	RWH tank capacity	
17	EMP cost (including DMP cost)	
18	No. of trees to be cut	Nil
19	No. of trees to be planted on site	50 nos
23	CRZ status	Not applicable

The Committee perused the said compliances dated 06/07/2018 during its 105<sup>th</sup> meeting held on 25<sup>th</sup> April 2019 and after detailed discussion and deliberation decided to recommend the said proposal to Goa-SEIAA for grant of EC with following specific conditions.

- i. Considering the scale of the project, the PP may consider an appropriate budgetary allocation benefiting the local communities. The details of the same may be submitted to the Authority.
- ii. PP should prioritize the issues related to health and hygiene in complying with the matters related to waste disposal and treatment / air and water pollution / waste-water management.
- iii. PP needs to ensure that no treated water or any waste sewage shall be discharged into any water body. E-waste shall be disposed through Authorised vendor as per E-waste (*Management and Handling*) Rules, 2011.
- iv. Project Proponent (PP) should necessarily make appropriate provision while constructing the roof-tops at the time of construction stage only to enable installation of solar panels towards south facing walls as and when made applicable in future.
- v. The Project Proponent shall utilise fly ash bricks in masonry works.
- vi. The PP shall use construction debris for land filling wherever applicable.
- vii. At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
- viii. 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.
- ix. 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.
- x. 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.
- xi. 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.

xii. Solar based electric power shall be provided to each unit for at least two bulbs/light and one fan. As proposed, central lighting and street lighting shall also be based on solar power.

xiii. The project proponent will provide landscape bed of 600mm wide X 600mm deep along the periphery of the plot to carry out plantation of trees. The treated water from the sewage treatment plant will be pumped through high flow drips on these beds to prevent outflow of treated sewage water outside the premises.

**Decision:** The Authority perused the application and documents submitted by the project proponent and the recommendation from the Goa-SEAC the Authority after detailed discussion and deliberation decided to conduct a site visit of the proposed site to ascertain the status of proposed project on points like waste management including STP capacity , biodegradable waste proposed, proposed commitment to the corporate social responsibility (CSR), proposed parking.

2. Proposed environmental clearance (EC) for modification of the project **Ocean park Residential apartment & commercial shops** at Sy no. 249/1-A Taleigao Plateau, Dona Paula, Goa. The project Proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment including air, land, soil, ecology and biodiversity and social aspects were discussed. Committee noted that the project is under **8a (B2) category of EIA Notification 2006 (building & constructions)**. Further documents like Consolidated statements, Form I and IA, project specific presentation and plans submitted are taken on the record. However, based on inspection held on 09/01/2019 and subsequent to the project specific presentation, Committee sought compliance. The Committee perused the said compliances dated 06/07/2018 and after detailed discussion and deliberation decided to recommend the said proposal to Goa-SEIAA for grant of EC with following specific conditions.

i. Considering the scale of the project, the PP may consider an appropriate budgetary allocation benefiting the local communities. The details of the same may be submitted to the Authority.

ii. PP should prioritize the issues related to health and hygiene in complying with the matters related to waste disposal and treatment / air and water pollution / waste-water management.

iii. PP needs to ensure that no treated water or any waste sewage shall be discharged into any water body. E-waste shall be disposed through Authorised vendor as per E-waste (*Management and Handling*) Rules, 2011.

iv. Project Proponent (PP) should necessarily make appropriate provision while constructing the roof-tops at the time of construction stage only to enable installation of solar panels towards south facing walls as and when made applicable in future.

v. The Project Proponent shall utilise fly ash bricks in masonry works.

vi. The PP shall use construction debris for land filling wherever applicable.

vii. At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.

viii. 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

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- xiii. The project proponent will provide landscape bed of 600mm wide X 600mm deep along the periphery of the plot to carry out plantation of trees. The treated water from the sewage treatment plant will be pumped through high flow drips on these beds to prevent outflow of treated sewage water outside the premises.

**Decision:** The Authority perused the application and documents submitted by the project proponent and the recommendation from the Goa-SEAC the Authority after detailed discussion and deliberation decided to conduct a site visit of the proposed site to ascertain the status of proposed project on points like waste management including STP capacity , biodegradable waste proposed , proposed solar panels.

3. Communications received from **Directorate of Mines and Geology** dated 02/08/2019 stating that the Directorate of Mines and Geology is in receipt of an application from m/s Vaibhavi Dredging for storage and transportation of sand. Further DMG sought the clarification on above.

**Decision:** The Authority perused the letter from Directorate of Mines and Geology and after detailed discussion decided the EC is required prior to commencement of any activity and not post completion of any activity. Further members opined that in the current reference the dredging has already been done during which course of activity the agency chanced upon to discover sand which is stacked at Kotambi jetty. For the purpose of transportation of dredged sand, the EC is not required is not postulated to be granted is what the members has to say.

*Meeting ended with vote of thanks to the chair.*

*Sd/-*

Shri. Johnson Fernandes  
**Member Secretary, Goa-SEIAA**

*Sd/-*

Mr. Vivekanand L. Sawkar  
**Chairman, Goa-SEIAA**

Place: Patto, Panaji  
Date: August 2019