

**Minutes of the 99th Goa State Expert Appraisal Committee
(Goa-SEAC) meeting held on 15th November 2018 at 5 pm. in the Conference Room of
the 4th floor, GTDC, Patto-Panaji, Goa.**

The ninety ninth meeting of the Goa-SEAC was held on 15th November 2018 in the Conference room of the GTDC, Partyatan Bhavan, Panaji at 5 p.m. under the Chairmanship of Prof. Suhas Godse. The list of members who attended the meeting is at Annexure – 1.

At the beginning Chairman welcomed the members and requested Secretary, SEAC to proceed as per the Agenda items (refer Annexure – 2).

1. Recommendation for proposed construction of Beach Resort on land bearing Sy. No. 230/2 of Anjuna Village, Bardez Taluka, North Goa District, Goa by **N.M. Bhashyam**. Proposal forwarded from the Goa Coastal Zone Management Authority (GCZMA) for comments as per the guidelines laid down in hotel policy. The project Proposal was discussed on the basis of documents submitted by the proponent. All issues related to environment including air, land, soil, ecology and biodiversity and social aspects were discussed. Consolidated statements, Form I and IA project specific presentation and plans submitted are taken on the record. Goa SEAC conducted the site inspection on 28/06/2018 and directed the propjet proponent to submit detailed EIA report of the site. Brief extract of the project details submitted by Project Proponent is as below:

Sr.No.	Description	Details
1	Name & location of the project	Beach Resort Hotel, Survey No 230/2 Anjuna Village, Vagator, Bardez, Goa
2	Plot Area	4003 Square Meter
3	Net plot Area	4003 Square Meter
4	FSI Area	FSI Area: 1225.07 Sqm
5	Built Up area (as per FAR)	1320 Sq mt
	a. Basement Area (Parking, U. G. Tank, Stairs & Lifts)	1038.15
	b. Balconies on all floors	236.08
	c Passages on all floors	371.38
	d. Stairs & Lift area	84.40
	e. Convenient area (Hotel Projects)	206.45
	e. Total Non - FSI Area	1936.5
6	Total construction Area	3161.53
7	Building configuration & Height of the building	9.00 M upto ridge of the sloping roof
8	No. of shops	NIL
9	Total water requirement (Construction/operation phase)	Construction Phase 20 Cum / Day and 26 Cum / Day during Operation Phase.
10	Sewage generation	214.80 Kgs / Day
8	STP Capacity/Grey water treatment plant capacity	Automatic two Organic Waste Converter of Capacity 70 Kgs / Day
9	Total Solid Waste Quantities	85.92 Kgs / Day
10	RG Area	-
11	No. of trees	21 plant species
12	Energy Efficiency	Solar power usage : Separate sheet annexed
13	Parking 4 W and 2W	25 Car parking in basement and enough place for two wheelers
14	Power requirement	400 KVA
15	D.G set Capacity	250 KVA x 2 Nos.
16	RWH tank capacity	50 Cum
17	EMP cost (including DMP cost)	
18	No. of trees to be cut	9 less than 150mm Girth
19	No. of trees to be planted on site	Over 50 Trees
23	CRZ status	Property is between 0 and 500 M from HTL
24	Other Details: The entire project is a green project. We are using solar power generation systems for complete project back up by electrical supply by the State Electrical Supply in addition we are providing Back up D. G. Set two numbers for any failure of electrical supply and solar generation during monsoon period.	

During 97th Meeting held on 27th September the committee instructed for correction in the presentation and directed the PP to present detailed presentation along with changes

suggested by the Committee members. Accordingly the Project Proponent presented detailed presentation before the Committee with all the necessary corrections. The committee noted all the details presented by the Proponent and after detailed discussion and deliberation decided to recommend the said project proposal for CRZ Clearance with following Specific conditions:

- i. 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.
- ii. 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.
- iii. PP has to provide additional system for flushing.
- iv. PP needs to comply with the provision of construction and demolition of waste management rules 2016 laid down by Ministry of Environment & Forest & Climate change (MOEF & CC).
- v. 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.
- vi. PP needs to ensure that no treated water or any waste sewage shall be discharged into any water body. STP of suitable capacity shall be installed considering the quantity / quality of waste water generation.
- vii. E-waste shall be disposed through Authorised vendor as per E-waste (*Management and Handling*) Rules, 2011.
- viii. The Project Proponent shall utilise fly ash bricks in masonry works.
- ix. The PP shall use construction debris for land filling wherever applicable.
- x. 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.
- xi. 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.

- xii. 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.
- xiii. 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.
- xiv. The PP should install an online monitoring system to check water quality of treated water from the STP in consultation with Goa State Pollution Control Board (GSPB).
- xv. 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.
- xvi. 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.
- xvii. PP shall make provision for charging points for electronic vehicles in the parking area.
- xviii. PP should implement Dust mitigation measures for construction activities such as:**
 - a. Roads leading to or at construction sites must be paved and blacktopped (i.e. metallic roads).
 - b. No excavation of soil shall be carried out without adequate dust mitigation measures in place.

- c. No loose soil or sand or Construction & Demolition Waste or any other construction material that causes dust shall be left uncovered.
- d. Wind-breaker of appropriate height i.e. 1/3rd of the building height and maximum up to 10 meters shall be provided.
- e. Water sprinkling system shall be put in place.
- f. Dust mitigation measures shall be displayed prominently at the construction site for easy public viewing.
- g. New serial number -107ø has been inserted which relates to Mandatory Implementation of Dust Mitigation Measures for all Construction and Demolition Activities:
- h. Grinding and cutting of building materials in open area shall be prohibited.
- i. Construction material and waste should be stored only within earmarked area and road side storage of construction material and waste shall be prohibited.
- j. No uncovered vehicles carrying construction material and waste shall be permitted.
- k. Construction and Demolition Waste processing and disposal site shall be identified and required dust mitigation measures be notified at the site.

The meeting ended with vote of thanks to the Chair.

Dr. Purushotam Pednekar _____ *Sd/-* _____

Dr. Nitin Sawant _____ *Sd/-* _____

Shri. Dominic Fernandes _____ *Sd/-* _____

Sd/-
Shri. Sanjeev Joglekar
(Secretary Goa-SEAC)

Sd/-
Shri. Suhas Godse
(Chairman Goa-SEAC)

Place: Patto, Panaji

Date: November 2018