

**MINUTES OF THE 14<sup>TH</sup> GOA STATE ENVIRONMENT IMPACT  
ASSESSMENT AUTHORITY (GOA-SEIAA) HELD ON 3<sup>RD</sup> NOVEMBER 2014  
AT 03.30 P.M. IN THE CONFERENCE ROOM OF THE EIA  
SECRETARIAT, O/o GOA STATE POLLUTION CONTROL BOARD  
(GSPCB), PATTO.**

The fourteenth meeting of the Goa-SEIAA was held on 3<sup>rd</sup> November 2014 in the Conference room of the GSPCB under the Chairmanship of Dr. Pramod Pathak. The list of members who attended the meeting is annexed (*refer Annexure – 1*). At the outset, Chairman welcomed the Members and informed about the purpose of convening the meeting so as to discuss and decide about the project proposals for issuance of prior environmental clearance (EC) under the EIA Notification, 2006, based on the recommendations forwarded by the Goa-SEAC. The agenda items may be referred at *Annexure – 2*.

Accordingly, a proposal submitted by the Department of Science & Technology (DST), Goa seeking prior EC for setting up of Solid Waste Management Facility (SWMF) at Calangute/Saligao was taken up for discussion and decision in the matter (*refer Annexure 2(1)*). Based on the Goa-SEAC's recommendations (*Enclosure – A*) taken during its 26<sup>th</sup> meeting held on 31<sup>st</sup> October 2014, the Authority has deliberated and taken on records the (i) Form-I along with relevant information, submitted in the form of a dossier by the project proponent (PP) vis-a-vis (ii) Environment Impact Assessment (EIA) report of the Pilerne Industrial Estate. As it is understood that the proposed site is at a proximity (*i.e. less than a km.*) to the Pilerne Industrial Estate and since the said EIA has been carried out for the Industrial Estate 'region', its proximity or rather its inclusion within the larger region for which the EIA allows extrapolation and application of baseline data, in the case of the present site and (iii) site-specific observation ascertaining the existing degraded status as well as land use / land cover of the site in question, and has accordingly decided to accord prior environmental clearance for the Solid Waste Management Facility (SWMF) proposed to be established at Saligao/Calangute under the EIA Notification, 2006.

Further, in response to next agenda item (*refer Annexure 2(2a to 2d)*), the Authority decided to refer back the said proposals to Goa-SEAC to ascertain and verify the compliances submitted by respective project proponents (PPs') in response to their observations / recommendations during its 24<sup>th</sup> and 25<sup>th</sup> Goa-SEAC meetings held on 8<sup>th</sup> July and 9<sup>th</sup> September respectively. The Authority decided to consider these proposals thereafter on receipt of final recommendations from Goa-SEAC.

Subsequently, as regards to agenda item (*refer Annexure 2(3)*), the Authority decided to seek compliance to site-specific observations from the project proponent, made during the site-inspection, as well as revert back the proposal to Goa-SEAC to ascertain and verify the compliances submitted by project proponent (PP) in response to their observations / recommendations during its 22<sup>nd</sup> Goa-SEAC meeting held on 13<sup>th</sup> May 2014. The Authority decided to consider these proposals thereafter on receipt of final recommendations from Goa-SEAC.

The meeting ended with vote of thanks to the Chair.

*Sd./-*  
Mr. Vivekanand L. Sawkar  
**Member, Goa-SEIAA**

*Sd./-*  
Mr. Srinet N. Kothwale  
**Member Secretary, Goa-SEIAA**

*Sd./-*  
Dr. Pramod V. Pathak  
**Chairman, Goa-SEIAA**

Place: Patto, Panaji  
Date: November 2014.

## ANNEXURE – 1

### List of members who attended the fourteenth Goa-SEIAA meeting held on 3<sup>rd</sup> November 2014

- |                             |                           |
|-----------------------------|---------------------------|
| 1. Dr. Pramod V. Pathak     | - Chairman                |
| 2. Mr. Vivekanand L. Sawkar | - Member                  |
| 3. Mr. Srinet N. Kothwale   | - Member Secretary, SEIAA |
| 4. Dr. Mohan R. Girap,      | - Secretary, SEAC         |

## **Enclosure - A**

**(Goa-SEAC recommendations as approved during its 26<sup>th</sup> Meeting held on 31<sup>st</sup> October 2014)**

The project proposal submitted by the DST&E, Goa seeking Terms of Reference (ToRs') and its subsequent request communicated to the Goa-SEAC vide letter no. 3-209-2012/STE-DIR/Part-16/1062 dated 21<sup>st</sup> October 2014 for setting up of Municipal Solid Waste Management Facility (MSWMF) at Calangute was discussed / deliberated and appraised so as to suitably recommend the observations to the Goa-SEIAA for further needful. In this context, it is brought to the notice of the Members that Terms of References (ToRs') to conduct rapid EIA were issued to the DST&E, Goa on 20<sup>th</sup> March 2014, however for the purpose of environmental appraisal, no EIA/EMP report were made available to Goa-SEAC till date. As such, while appraising the said project proposal, Goa-SEAC relied upon the following -

1. Form I and annexure enclosed (*at the time of seeking ToRs'*).
2. Compiled chronology of relevant facts and figures inclusive of a preliminary baseline data on past and present site conditions (*submitted in a form of dossier by the Project Proponent – DST&E, Goa*).
3. Environment Impact Assessment (EIA) report of Pilerne Industrial Estate Region, Bardez Goa.
4. Project presentation by PP / Technical Consultant during the 17<sup>th</sup> Goa-SEAC meeting held on 24<sup>th</sup> February 2014, Site visits/inspection conducted by Goa-SEAC on 4<sup>th</sup> March 2014, consultative meetings held by Goa-SEAC with the project proponent and subsequent joint Goa-SEIAA & Goa-SEAC meetings (*held on 11<sup>th</sup> September 2014 and 23<sup>rd</sup> October 2014*), report of the joint Site Inspection by the Chairpersons of Goa-SEAC and Goa-SEIAA and ground truthing held on 1<sup>st</sup> and 10<sup>th</sup> October 2014.
5. The existing location, land use / land cover vis-a-vis present status of site conditions including the nature of activities proposed. The site in question is notified as Industrial Estate / Area.
6. Ground truthing and perusal of pertinent technical documents to arrive at an appraisal inference. It is also pertinent to put on record that the committee considered the relevant sections of a SUO MOTTO Writ Petition No.2 of 2007 and subsequent High Court order pronounced on 13/08/13 to arrive at a consensus.

Considering the above observations, perusing all documents and presentation made before the Committee, the Goa-SEAC appraised the project proposal in terms of clause (7) of the EIA Notification, 2006 considering the EIA report prepared for Pilerne Industrial Estate Region, Bardez, Goa by a NABET/QCI-accredited Environmental Consultant; from which the existing site is at a distance of approximately 300 mts. and decided that the project

activity does not require further environmental studies for preparation of EIA. The Goa-SEAC reasoned out that since the said EIA has been already carried out for the Industrial Estate 'region', the proximity of the existing site to Pilerne Industrial Estate or rather its inclusion within the larger region for which the EIA was prepared, allows extrapolation and application of baseline data, collected for Pilerne Industrial Estate, in the case of the present site.

In view of the above submission, Goa-SEAC proposes to recommend to grant the prior environmental clearance (EC) in terms of the EIA notification 2006, for setting up of proposed Solid Waste Management Facility (SWMF) at Saligao/Calangute, Bardez, Goa and is of the further opinion that the PP may be also allowed to initiate the 'remediation' of the existing Dump site and concurrently compile and submit a rapid site-specific EIA report to suggest further long-term measures not later than 15<sup>th</sup> February 2015. Further, on receipt and perusal of rapid site-specific EIA report, the conditions stipulated in the EC may be reviewed and accordingly modified by the Goa-SEIAA for compliance by PP towards long term management / post-EC monitoring of the site. The Goa-SEAC also desires that the PP shall get the site conditions monitored and submit details of the same for perusal of the Committee all stages of the project execution.

## **Enclosure - B**

**(Goa-SEAC recommendations as approved during its 24<sup>th</sup> Meeting held on 8<sup>th</sup> July 2014)**

1. Proposed construction of Commercial-cum-Residential complex in Sy. No. 276/1 of Morombi-O- Grande village, (Chimbel), Tiswadi Taluka by **M/s Amit M. Sukhthankar**. (*Consultant: M/s Sadekar Enviro Engineers, Panaji*)

The Committee sought details pertaining to the following -

- i. Submission of copy of Power of Attorney (*P.O.A. for M/s Balchandra A. Wagle*).
  - ii. Submission of Geotechnical soil specifying the status of groundwater table.
  - iii. Submission of appropriate biodiversity conservation plan for occurrence of Schedule-1 and/or vulnerable faunal species, if any. In addition, compliance to budgetary commitment towards its conservation initiatives, in consultation with the Chief Wildlife warden (CWW), Goa.
  - iv. Submission of green-belt plantation details with emphasis on prioritizing local flora.
  - v. Submission of Disaster Management Plan Fire risk assessment, especially in the parking zone.
  - vi. Submission of revised plan towards rainwater harvesting towards optimum resource utilization. Modus operandi for ascertaining the potability of treated / harvested water prior to its utility for domestic purpose.
2. Proposed construction of residential-Cum-Commercial complex in survey No.21/2-D, Baingium village, Tiswadi taluka, North Goa, by **M/s Milroc Good Earth Property & Developers L. Margao**. (*Consultant: M/s Sadekar Enviro Engineers, Panaji*).

The Committee sought details pertaining to the following -

- i. Submission of Environmental Clearance (EC) granted by the Ministry of Environment and Forests (MoEF) dated 11<sup>th</sup> June 2008 for the developmental activity “Milroc Kadamba” having total built up area of 64,881.89 Sq.mts. in Sy. No. 21/2-D, Baingium village, Tiswadi taluka, North Goa district.
- ii. Submission of conservation plan for presence of ‘Schedule-1’ species and prioritise on species/local cultivars to promote green landscaping. A separate plot of medicinal plants be integrated while attempting landscaping.
- iii. Post-construction and post-EC inventorization of ephemeral flush vegetation (EFV) and submission of its ex-situ conservation plan, as applicable. In

addition, compliance to budgetary commitment towards conservation initiatives, in consultation with the Chief Wildlife warden (CWW), Goa.

- iv. Submission of revised details in respect of (a) Total BUA for which environmental clearance (EC) was obtained from the MoEF in 2008 and 2010. (b) BUA constructed as on date of submission of the application to Goa-SEAC, (c) BUA yet to be constructed as per EC issued by the MoEF as on date of submission of application to Goa-SEAC, (d) proposed BUA for expansion sought.
- v. Submission of nature, type and purpose of already constructed structures with their respective BUAs' consumed vis-a-vis purpose of additional BUA proposed with detailed note on readjustment in the BUA.

**(Goa-SEAC recommendations as approved during its 25<sup>th</sup> Meeting held on 9<sup>th</sup> September 2014)**

3. Proposed Group Housing and Commercial project at Survey No. 40/0 of village Vanellim Salcete South Goa by **M/s Akar Creations Pvt. Ltd.** (*Consultant: J.M. EnviroNet (P) Ltd. Gurgaon, Haryana*)

The Committee sought technical details in respect of the following -

- a. Submission of contour map and the land demarcating the filled-up portion of low-lying area within the project site.
- b. Submission of traffic management plan with details w.r.t. entry/exit points at location(s) of merging traffic with the routine traffic, details about parking of vehicles in respect of its inbound and outbound flow of vehicles.
- c. Submission of water quality report carried by the MoEF-accredited agency/laboratory along with photographs of STP water discharge during the post- monsoon.
- d. Submission of a plan of outfall points from STP discharge point and storm water drainage.
- e. Clarification w.r.t. provision of drainage along the existing road surrounding the plot boundary.
- f. Submit rain water harvesting details for water cycle and water balance.
- g. Submit fire and risk management plan.
- h. Cognizance in respect of sighting of any WPA Sch.-1 species or any other species of conservation value and if so, commitment to initiate conservation action in consultation with Chief Wildlife Warden (CWW), Dept of Forest, Goa.
- i. Submit a note on legal matter.

4. Proposed residential Development with convenient shopping at plot bearing Sy. No. 12/1 (P), 13/1 A (P) and 13/1-B (P) at village Panelim, Taluka Tiswadi Goa by **In Orbit Malls (India) Pvt. Ltd.** (*Consultant: M/s Aditya Environmental services Pvt. Ltd. , Mumbai*).

The Committee sought details pertaining to the following –

- a. Submission of existing drainage pattern on the site and superimposing it on the proposed storm-water drain (*i.e. outlets*).
- b. Proposed source of water to be utilized for farmhouses.
- c. Status of NOC / building plan approval from (i) village panchayat concerned, (ii) Town and Country Planning (TCP) Department and (iii) Department of Forest for cutting of trees, etc.,
- d. Submission of site-specific installations / location plan with relevant technical details regarding solar water heater (*i.e. capacity, energy saving calculations, etc.,*).
- e. Commitment towards ex-situ conservation, in consultation with the Chief Wildlife Warden (CWW), of presence of schedule-1 wildlife species.



## Enclosure - C

### Site-inspection report of residential complex visited conducted by Goa-SEIAA on 10.10.2014

a. **M/s Marvel Resort Pvt. Ltd** - proposed construction of a residential complex (EVORA) in P.T. Sheet no. 121/ Chalta no. 2,3,4,38,39 & P.T.S no. 130/ Chalta no. 33 at St. Inez, Tiswadi. (*environmental consultant: M/s Aditya Environmental Services, Mumbai*).

1. Proposed Residential Complex having Total BUA= 28,645.80 sq.mts.
2. During Site inspection Authority suggested PP to submit individual NOC cum affidavit and willingness to vacate from the residents staying in the adjacent building.
3. Submit a detailed Traffic Management plan especially showing movement of vehicles during peak hrs.
4. Any provision made for excessive rain water during flooding in view of the above submit design and details of managing storm water mentioning slope and scoring velocity. Also showing the flow of discharged of water at the downstream of the bridge.
5. Submit details regarding the type of proposed foundation.
6. Focus on plantation of local cultivars.

Previously, Goa-SEAC, during its 22<sup>nd</sup> meeting held on 13<sup>th</sup> May 2014, has recommended the above-referred proposal subject to compliance to the following, to be verified by the Authority, -

- i. Submission of documents regarding tenants as well as affidavit towards rehabilitation of tenants, relocation of religious structure and land conversion 'Sanad'.
- ii. Submission of aero-biological study regarding air quality and post-EC and post-Occupancy monitoring of airborne pathogens / spores by accredited environmental laboratory on quarterly basis.
- iii. Submission of fire risk management report and Disaster Management Plan (DMP).
- iv. Solar water heating installation plan with its capacity. Provision for solar photo-voltaic CFL and LED lighting in parking and common spaces.
- v. Submit storm water drainage plan for the site.
- vi. Provision and maintenance of green buffer of trees around the periphery of the site through a dedicated work force. The species may be selected taking into view the need to intercept odour/dust.

- vii. Proposed Traffic Management Plan for main as well as approach road at Entry / Exit points.
  - viii. Submission of demolition and debris management plan for existing structures.
  - ix. Compliance to Office Memorandum (O. M.) issued by the Ministry of Environment and Forests (MoEF) dated 18<sup>th</sup> May 2012 in respect of institutionalizing Corporate Environmental Responsibility (CER) and assisting in ongoing efforts of rehabilitation of St. Inez creek.
-