

**Minutes of the 74<sup>th</sup> Goa State Expert Appraisal Committee  
(Goa-SEAC) meeting held on 15<sup>th</sup> September 2016 at 10.30 a.m. in the  
chamber of the Chairman, Goa-PCB, Patto.**

The Seventy-Forth meeting of the Goa-SEAC was held on 15<sup>th</sup> September 2016 in the chamber of the Chairman, Goa-PCB, from 10.30 a.m onwards under the Chairmanship of Mr. Antonio Jaime Afonso. The list of members who attended the meeting is at “Annexure – 1”.

At the outset, Chairman welcomed the Members and proceeded as per the agenda items (refer Annexure – 2).

1. Discussion on a letter received from **M/s Gera Developments Pvt. Ltd.**, requesting to submit a photocopy of the representation submitted by Candola Samvardhan Samittee to the Goa-SEAC on 1<sup>st</sup> September 2016.

The Committee on perusal of the said request vis-à-vis deliberations thereafter opined that the PP, *for seeking photocopy*, may be requested to apply under provisions of the relevant Act for further needful.

2. Finalization of Terms of References (ToRs’) for setting up of a Common Bio-medical Waste Treatment Facility (CBMWTF) at Kundaim Industrial Estate proposed by **the Department of Science & Technology (DST)**.

In continuation to the discussions held during the previous meeting held on 1<sup>st</sup> September 2016 as well as based on the site-inspection of the proposed site at Kundaim industrial estate conducted on 9<sup>th</sup> June 2016 followed by site-visit to operational facility at Pune during 8<sup>th</sup> – 10<sup>th</sup> August 2016, the Committee decided to include following observations, under respective headings detailed below, as Terms of References (ToRs’) to enable the Project Proponent (PP) to initiate study and submit the EIA report accordingly (refer Annexure – 3)

3. Later, the Committee decided to meet on 22<sup>nd</sup> September 2016 during which project-specific presentations will be made by three Project Proponents (PPs’).

The meeting ended with vote of thanks to the Chair.

**Dr. Manoj Borkar**

\_\_\_\_\_ *Sd/-* \_\_\_\_\_

**Mrs. A.A.B. Barreto**

\_\_\_\_\_ *Sd/-* \_\_\_\_\_

**Mrs. Ashwini Pai Panandiker**

\_\_\_\_\_ *Sd/-* \_\_\_\_\_

**Dr. P. K. John**

\_\_\_\_\_ *Sd/-* \_\_\_\_\_

**Dr. Jagannath Hirkude**

\_\_\_\_\_ *Sd/-* \_\_\_\_\_

**Mr. Suhas Gaonkar**

\_\_\_\_\_ *Sd/-* \_\_\_\_\_

*Sd/-*  
**Mr. Antonio Jaime C. Afonso**  
Chairman, Goa-SEAC

*Sd/-*  
**Dr. Mohan R. Girap**  
Secretary, Goa-SEAC

Place: Patto, Panaji  
Date: September 2016.

## ANNEXURE – 1

### List of members present during the 74<sup>th</sup> Goa-SEAC meeting held on 15<sup>th</sup> September 2016

- |                                  |   |                  |
|----------------------------------|---|------------------|
| 1. Prof. Antonio Jaime C. Afonso | - | <b>Chairman</b>  |
| 2. Dr. Manoj R. Borkar           | - | <i>Member</i>    |
| 3. Mrs. A. A. B. Barreto         | - | <i>Member</i>    |
| 4. Mrs. Ashwini Pai Panandiker   | - | <i>Member</i>    |
| 5. Dr. P. K. John                | - | <i>Member</i>    |
| 6. Dr. Jagannath Hirkude         | - | <i>Member</i>    |
| 7. Mr. Suhas Gaonkar             | - | <i>Member</i>    |
| 8. Dr. Mohan R. Girap            | - | <i>Secretary</i> |

## ANNEXURE – 3

### **TERMS OF REFERENCE FOR CONDUCTING ENVIRONMENTAL IMPACT ASSESSMENT (EIA) REPORT FOR PROPOSED SETTING UP OF COMMON BIOMEDICAL WASTE TREATMENT FACILITY AT KUNDAIM INDUSTRIAL ESTATE AS PROPOSED BY THE DEPARTMENT OF SCIENCE & TECHNOLOGY, GOA.**

#### **A. Project Description**

1. Justification for selection of proposed site to set up the CBMWT facility and alternate sites examined, if any with relevant details.
2. Project Summary with details of the Project Proponent and Systems along with all relevant Technical details / specifications of plant equipments and process methodology.
3. Technical details of transport vehicles.
4. Technical details of plant buildings layout and its details within the site.
5. Details of Process Flow methodology and waste-handling procedures at collection points and plant-site.
6. Details of Water Balance and Effluent Treatment, Pollution Control Systems and safety Features.
7. Details on collection points and in-time transfer of wastes to the site with regards to handling / loading / off-loading protocols.
8. Details about a dedicated unit for handling infectious waste generated from domestic sector (sanitary napkins and diapers), if any.

#### **B. Environmental baseline studies**

1. All the baseline studies shall be conducted as per the CPCB / MoEF & CC guidelines.
2. Detailed Land use / land cover studies (*for 500mts. and 2 kms radii*) / Physiological, Hydrogeological, soil details / ambient air quality (*minimum six locations – upwind and down-wind directions*) / surface and groundwater quality (*minimum four locations each*) / Noise-level analysis (*minimum ten locations*).
3. All biological studies to be based on primary data collection such as – inventory of flora and avifauna.

4. Relevant socio-economic status within the immediate periphery of the proposed site.
5. Aerobiological studies within a peripheral zone of 5 kms buffer zone from the proposed site (minimum ten locations).
6. Details about energy conservation initiatives and use of renewable energy source.

**C. Likely Environmental impacts using a weighted matrix –**

1. On land use, water / air (Stack emission dispersal modeling as per CPCB guidelines) / noise quality.
2. Due to transportation mechanism.
3. Due to quantum of residues generated post-incineration, its utility / disposal thereof.
4. On account of construction phase and operation phase and also capital repairs and decommissioning phase.
5. On Ecology-Biodiversity and Socio-economic environment.

**D. A comprehensive and implementable EMP and monitoring mechanism for –**

1. During construction and operation phase.
2. Changes in baseline environmental aspects of water / air and noise quality.
3. For development and maintenance of greenbelt area.
4. Transportation and handling of bio-medical wastes on-site and offsite.
5. Safety and Health of workforce.
6. Emergency management plan for off-site and on-site disaster preparedness.
7. Details of environmental monitoring formats, frequency and responsibilities.
8. Administrative details for implementation and monitoring of EMP.

Further, the Committee stressed on the following Guidelines for EIA while preparation of the EIA report.

- i. Technical EIA Guidance Manual August, 2010 for Common Bio-medical Waste Treatment Facility (*CBMWTF*).

- ii. Bio-medical Waste (*BMW*) Management Rule, 2016.
- iii. Relevant guidelines of the CPCB on Bio-medical Waste.
- iv. EIA Document will follow generic structure as given Appendix – III of the in EIA Notification, 2006 (as *amended*).