

GOA STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

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No: 3 – 181 – 2010/STE-DIR/64

Date: 4th November 2014

To,

The Director,

Department of Science and Technology (DST),

Opposite Saligao Seminary,

Saligao, Bardez, Goa – 403 512

Sub.: Establishment of Solid Waste Management Facility (SWMF) at Calangute/ Saligao, Bardez Taluka, North Goa - Issuance of the Prior Environmental Clearance (EC) – Reg.

Ref.: (a) Your letter no. 3-209-2012/STE-DIR/Part/1627 dated 19th February 2014
(b) SEAC letter no. 3/181/2012/STE-DIR/Part-I/EIA-GOA/93 dated 20th March 2014
(c) Your letter no. 3-209-2012/STE-DIR/Part/868 dated 9th September 2014
(d) Your letter no. 3-209-2012/STE-DIR/Part-16/1062 dated 21st October 2014

Sir,

This has a reference to your letter referred to at (a) above seeking Terms of References (ToRs') to conduct EIA study for proposed Solid Waste Management Facility (SWMF) at Calangute/Saligao in North Goa, letter referred to at (b) above, Goa-SEAC's communication regarding issuance of Terms of References (ToRs') , letter referred to at (c) above, requesting for project-specific presentation before the EIA Authority and letter referred to at (d) above, requesting for issuance of environmental clearance (EC) for the proposed SWMF at Saligao/Calangute..

In this context, I am directed to inform you that said application (*i.e. Form-I*) along with all enclosed relevant information as well as additional clarifications / documents / reports furnished in response to the observations made by Goa-SEAC has been screened and appraised under Category 7 (i) – Common Municipal Solid Waste Management , as per the 'Schedule' annexed to the EIA Notification, 2006 (as amended) during its 17th and 18th Goa-SEAC meetings held on 24th February and 11th March 2014 respectively and later during first and second joint Goa-

SEAC / Goa-SEIAA meetings held on 11th September and 23rd October 2014 respectively. Subsequently, based on the recommendations of the Goa-SEAC during its 26th meeting held on 31st October 2014, the Goa-SEIAA during its 14th meeting held on 3rd November 2014 has considered the proposal and accordingly it is noted that –

1. The proposal is for grant of prior Environmental Clearance (EC) under the EIA Notification, 2006 for setting up of proposed Solid Waste Management Facility (SWMF) at Calangute / Saligao in Bardez Taluka of North Goa and located in survey nos.112/1(Part), 114/1(Part), 116/1(Part) and 117/1(Part) of Saligao village of Bardez Taluka and under survey nos. 47/1(Part) of village Calangute, Bardez taluka in North Goa. Salient project details of the proposed SWMF are as under:
 - a. Total plot area: 1,21,580 sq.mts. which is in the notified Industrial Area.
 - b. Proposed treatment / handling capacity of the SWM facility : 100 Tones per day
 - c. Major sections of the SWM facility:
 - i. Material Seggregation and Recycling Center
 - ii. Bio-methanation and Composting section
 - iii. Scientific secured Landfill
 - d. Water Requirement: 10 KLD + *it is also proposed to utilize recycled water as per need.*
 - e. Electrical Requirement: 549.64 KW + *it is also proposed to generate captive energy for in-house utilization.*
2. The proposed site is an existing dumping site which is being used for unscientific dumping of garbage for around 20 years. The project proponent (PP) proposes to reclaim the present site by adapting to enviro-friendly disposal of the dumped garbage in addition to scientific treatment of the incoming waste through material and energy recovery.
3. Vide judgment dated 13th August 2013 passed in *Suo Motto Writ Petition No.2 of 2007*, Hon'ble High Court of Bombay at Goa has directed the State Government to establish and set-up waste disposal / treatment facilities in the State within a years timeframe.
4. In addition, the project proponent has also submitted significant secondary data including documents and reports that highlight the present degraded status of the

site, directions issued by the Goa State Pollution Control Board (GSPCB) to the Calangute Panchayat, copies of the pertinent Court Orders, site plan and maps of the area, plans of the proposed facility and an Environmental Impact Assessment (EIA) Report of the Pilerne Industrial Estate which is located at a distance of around 1 kms. from the proposed facility site.

5. Procedure towards collection of primary data, in terms of the ToRs' issued, has already been initiated by the project proponent through the empanelled environmental consultant – M/s National Environmental Engineering Research Institute (NEERI), Nagpur.

In view of the above and based on the recommendations of the Goa-SEAC; Goa-SEIAA has decided to accord prior Environmental Clearance (EC) to the said project under the provision of the Environment Impact Assessment (EIA) Notification, 2006; subject to compliance to the following “**General Conditions**”,-

1. The PP should comply with all the measures towards environment management as envisaged and documents in the Tender Document (*i.e. Concept Note and the Request for Proposal (RFP)*).
2. PP should comply with the terms and conditions as stipulated by the Goa State Pollution Control Board (GSPCB) while issuing Consent to Establish under the Air and Water Acts as well as Authorization issued under the Municipal Solid Waste (Management and Handling) Rules, 2000.
3. PP should prioritize the issues related to health and hygiene in complying with the matters related to waste disposal & treatment / air & water pollution / waste-water management.
4. PP should not disturb the natural drainage and as far as possible maintain the original topography while designing for landscape development by planting local site-specific plant species and which are not alien to the local environment. In any case, no varieties of *acacia* be used either as avenue plantations or as live-fencing.
5. PP should also submit half-yearly compliance report(s) in hard as well as soft copy format to the O/o the Goa-SEIAA for the period upto project completion so as to enable project monitoring during the construction phase.

6. PP should carry out assessment on the pre-construction vis-à-vis functioning of the landfill site, through M/s NEERI, Nagpur. The depth of the proposed landfill facility be decided based on the existing hydro-geological status of the site and accordingly necessary clearance / NOC should be obtained from the Groundwater Authority concerned, as applicable.
7. In the event of a modification / alteration / expansion in the project profile or change in the implementing agency / executing agency, a fresh reference shall be made to the Goa-SEIAA / Regional Office of the Ministry of Environment, Forests and Climate Change (*MoEF&CC*), as applicable.
8. Project proponent shall advertise at least in two local newspapers widely circulated in the region, one of which shall be in the Konkani or Marathi language within seven days of the receipt of this letter, informing that the project has been accorded prior Environmental Clearance (EC).
9. The Authority reserves the right to add any stringent conditions or to revoke the EC, if conditions stipulated are not implemented / complied with to the satisfaction of the Authority or for that matter, for any other reasons such as submission of false and misleading information, etc.,
10. Validity of the Environmental Clearance (EC) accorded shall be for a period of 05 (five) years from the date of issue of this letter.
11. Any appeal against this prior environmental clearance shall lie with the National Green Tribunal, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010 (*Central Act 19 of 2010*)

In addition, following “Specific Conditions” to be complied with by the project proponent:

1. The PP should concurrently compile and submit a rapid site-specific EIA report to this Authority **not later than 15th February 2015** so as to suggest further long-term measures.
2. Accordingly, on receipt and perusal of rapid site-specific EIA report, the conditions stipulated in the EC, as referred above, may be reviewed and accordingly modified for mandatory compliance by PP towards long term management / post-EC monitoring of the site.

3. The PP shall get the site conditions monitored and submit details at regular intervals to this Authority during all stages of the project initiation, execution, and implementation.

Yours faithfully,

Sd./-

(Srinet Kothwale)

Member Secretary, Goa-SEIAA
