

F.No.10-45/2016-IA.III
Government of India
Ministry of Environment, Forest & Climate Change
(IA.III Section)

Indira Paryavaran Bhawan,
Aliganj, JorBagh Road,
New Delhi - 3

Dated: 14th July, 2016

To

Shri N Vijay kumar
Partner
M/s V Tech Waste Management
No. 67, Jolly Masij Road,
Jolly Mohalla,
Bangalore-560053

E-mail: Vtechincin@gmail.com ;

Sub: Common Hazardous Waste Incineration Facility (CHWIF) and Preparation of Alternate Fuel and Raw Material (AFR) for Co-Processing, for Treatment & Disposal of Hazardous Chemical Waste (liquid, solid and semi-solid) at Plot No.n 19 D, KIADB Industrial Area, 2nd Phase, Bidadi Industrial Area, Taluk Bidadi, District Ramnagar, Karnataka by M/s V Tech Waste Managements – ToR reg.

Ref.: Your online proposal no. IA/KA/MIS/54042/2016 dated 06.06.2016.

Sir,

Kindly refer your online proposal no. **IA/KA/MIS/54042/2016** dated 06.06.2016 alongwith project documents including Form-I, Pre-feasibility Report and draft 'Terms of Reference' as per the EIA Notification, 2006. It is noted that proposal is setting up of Common Hazardous Waste Incineration Facility (CHWIF) and Preparation of Alternate Fuel and Raw Material (AFR) for Co-Processing, for Treatment & Disposal of Hazardous Chemical Waste (liquid, solid and semi-solid) at Plot No.n 19 D, KIADB Industrial Area, 2nd Phase, Bidadi Industrial Area, Taluk Bidadi, District Ramnagar, Karnataka by M/s V Tech Waste Managements. The incineration capacity is 1,000 kg/hr and will handle 10 MT/Day of hazardous incinerable wastes.

2. Draft Terms of Reference (TOR) have been discussed and finalized by the 7th Expert Appraisal Committee (Infrastructure -2) held during 29th June, 2016 for preparation of EIA/EMP report. The Committee prescribed the following TOR in addition to Standard TOR provided at Annexure-1 for preparation of EIA-EMP report :


- i. Importance and benefits of the project.
- ii. Recommendation of State Pollution Control Board for setting up of facility for preparation of Alternate Fuel and raw material (AFR) for Co-processing for treatment and disposal of Hazardous Chemical Waste (Liquid, Solid and semi-solid).
- iii. Details of various waste management units with capacities for the existing and proposed project.

- iv. List of waste to be handled and their source along with mode of transportation.
- v. Other chemicals and materials required with quantities and storage capacities.
- vi. Details of temporary storage facility for storage of hazardous waste at project site.
- vii. Details of pre-treatment facility of hazardous waste at TSDF.
- viii. Details of air Emission, effluents, hazardous/solid waste generation and their management.
- ix. Requirement of water, power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract)
- x. Process description along with major equipments and machineries, process flow sheet (quantative) from waste material to disposal to be provided
- xi. Hazard identification and details of proposed safety systems.
- xii. Layout maps of proposed Solid Waste Management Facilities indicating storage area, plant area, greenbelt area, utilities etc.
- xiii. Action plan to control and monitoring of dioxin and furon from the incineration process.
- xiv. Management and disposal of incinerated ash.
- xv. Details of effluent treatment and recycling process.
- xvi. Detailed Environmental Monitoring Plan as well as Post Closure Monitoring Plan.
- xvii. A tabular chart with index for point wise compliance of above TORs.

3. These 'TORs' should be considered for the preparation of EIA / EMP report for setting up of Common Hazardous Waste Incineration Facility (CHWIF) and Preparation of Alternate Fuel and Raw Material (AFR) for Co-Processing, for Treatment & Disposal of Hazardous Chemical Waste (liquid, solid and semi-solid) at Plot No.n 19 D, KIADB Industrial Area, 2nd Phase, Bidadi Industrial Area, Taluk Bidadi, District Ramnagar, Karnataka by M/s V Tech Waste Managements of India in addition to all the relevant information as per the 'General Structure of EIA' given in Appendix III and IIIA in the EIA Notification, 2006. Public Hearing is exempted as per para 7(i) III Stage (3)(i)(b) of EIA Notification, 2006 for preparation of EIA/EMP Report, being site is located in the Notified KIADB Industrial Area.

4. You are requested to kindly submit the final EIA/EMP prepared as per TORs and incorporating all the issues raised during Public Hearing / Public Consultation to the Ministry for considering the proposal for environmental clearance *within 3 years as per the MoEF O.M. No. J-11013/41/2006-IA.II (I) dated 8th October, 2014.*

5. The consultants involved in the preparation of EIA/EMP report after accreditation with Quality Council of India / National Accreditation Board of Education and Training (QCI/NABET) would need to include a certificate in this regard in the EIA/EMP reports prepared by them and data provided by other Organization(s)/Laboratories including their status of approvals etc.


(A.N. Singh)
Scientist 'D'

Copy to:

1. Additional Principal Chief Conservator of Forests (C), Regional Office (Southern Zone, Bangalore)KendriyaSadana, 4th Floor, E&F Wing, II Block Koramangala, Bangalore-560034.
2. The Chairman, Karnataka State Pollution Control Board, #49, ParisaraBhavana, Church Street, Bangalore-01 (Karnataka).

**STANDARD TERMS OF REFERENCE FOR CONDUCTING ENVIRONMENT IMPACT ASSESSMENT STUDY
FOR COMMON HAZARDOUS WASTE TREATMENT, STORAGE AND DISPOSAL FACILITIES (TSDFS)
INFORMATION TO BE INCLUDED IN EIA/EMP REPORT**

- i. Reasons for selecting the site with details of alternate sites examined/rejected/selected on merit with comparative statement and reason/basis for selection. The examination should justify site suitability in terms of environmental damages, resources sustainability associated with selected site as compared to rejected sites. The analysis should include parameters considered along with weightage criteria for short-listing selected site.
- ii. Submit the details of the road/rail connectivity along with the likely impacts and mitigative measures
- iii. Submit the present land use and permission required for any conversion such as forest, agriculture etc
- iv. Examine the details of transportation of Hazardous wastes, and its safety in handling.
- v. Examine and submit the details of on line pollutant monitoring.
- vi. Examine the details of monitoring of Dioxin and Furon.
- vii. MoU for disposal of ash through the TSDF.
- viii. MoU for disposal of scrubbing waste water through CETP.
- ix. Examine and submit details of monitoring of water quality around the landfill site.
- x. Examine and submit details of the odour control measures.
- xi. Examine and submit details of impact on water body and mitigative measures during rainy season.
- xii. Environmental Management Plan should be accompanied with Environmental Monitoring Plan and environmental cost and benefit assessment. Regular monitoring shall be carried out for odour control.
- xiii. Water quality around the landfill site shall be monitored regularly to examine the impact on the ground water.
- xiv. The storage and handling of hazardous wastes shall be as per the Hazardous Waste Management Rules.
- xv. Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.

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- xvi. Public hearing to be conducted for the project in accordance with provisions of Environmental Impact Assessment Notification, 2006 and the issues raised by the public should be addressed in the Environmental Management Plan. The Public Hearing should be conducted based on the ToR letter issued by the Ministry and not on the basis of Minutes of the Meeting available on the web-site.
- xvii. A detailed draft EIA/EMP report should be prepared in accordance with the above additional TOR and should be submitted to the Ministry in accordance with the Notification.
- xviii. Any further clarification on carrying out the above studies including anticipated impacts due to the project and mitigative measure, project proponent can refer to the model ToR available on Ministry website "<http://moef.nic.in/Manual/Incinerator>"

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