

Terms of Reference

TERMS OF REFERENCE (TORs) FOR CONSULTANCY SERVICES FOR CONDUCTING 3RD PARTY TECHNICAL SUPERVISION, MONITORING AND QUALITY ASSURANCE OF WORKS OF CLOSURE AND CONTAINMENT OF MSW DUMPSITE AT KADAPA

1. Introduction

The Government of India, through the Ministry of Environment and Forests (MoEF) is implementing a project on Capacity Building and Industrial Pollution Management (CBIPMP) with financial assistance from the World Bank. Andhra Pradesh Pollution Control Board (APPCB) is the nodal agency for the state of Andhra Pradesh. Under the Project the Closure and Containment of MSW dumpsite is being implemented. A consulting firm is engaged for conducting the detailed studies of the dump, proposing remedial options, drawings for the final selected remediation plan and preparation for the bidding documents. The remedial option is finalised and the works pertaining to the closure and containment of dumpsite is under process.

In this regard, Andhra Pradesh Pollution Control Board seek the services of an experienced Consulting firm for conducting 3rd party technical supervision, monitoring and Quality Assurance of works being implemented at Municipal Solid Waste (MSW) Dumpsite at Ukkayapalli, Kadapa town.

2. Site Description

Kadapa is the district headquarters of Y.S.R, Kadapa district of the Rayalaseema region of state of Andhra Pradesh. Project site is the Municipal Solid Waste Dump at Ukkayapalli, which is located outside the Kadapa city along a road connecting to a neighboring village Suddhavatam. The coordinates of the site are at 14°28' 51.96" N and 78° 50' 38.60" E. The site is spread over an area of 4.2 ha. As per the assessment studies carried out by the consultant the size of the dump is 10.38Acres with an estimated volume of 201,638m³ in 2012.

3. Objectives

The objective of engaging the consultancy services is to assist AP Pollution Control Board (APPCB):

- i. Contract management in successful and timely completion of the project
- ii. To ensure compliance with the drawings, technical specifications, materials used and to work in co-ordination with the remediation consultant and the contractor.
- iii. Quality assurance in the execution of the works using latest tools and techniques

iv. Monitoring of implementation of Environmental Management and safety plan being implemented by the contractor

4. The Scope of the consultancy is as follows:

1. The Supervision consultant will act as third party quality assurance and quality control expert for the works relating to the closure and containment of MSW dumpsite at Ukkayapalli, Kadapa by providing expert advice to APPCB on all the engineering aspects, materials supplied by the contractor, design criteria given by the remediation consultant and as per the bid document of the contractor.
2. The Supervision consultant shall carry third party quality control check by collecting samples and checking the quality of works at every stage to ensure quality of work executed and submit the reports every month. The critical samples like liners shall analysed in their own lab or in a reputed laboratory.
3. The anticipated scope of works will be related to Closure and Containment of the MSW dumpsite as per the MSW rules 2000 of GoI. WB-CBIPMP/APPCB/ToRs – Supervision consultant MSW, Kadapa Page 2
4. During the Closure and Containment project, a qualified and experienced site engineer shall need to regularly inspect and examine the implementation of the works.
5. Furnish quality assurance System of supervision consultant and obtain quality assurance system of Contractor and submit to APPCB.
6. Review and check the safety management plan prepared by the Contractor, and undertake periodical safety assessment.
7. The Supervision consultant shall be responsible to ensure usage of material as specified in the Bid document, implementation of the works as per the design criteria in accordance with the drawings given by the remediation consultant. Ensure that the quality of the works is in accordance with the contractual specifications.
8. Monitor progress of the Works, identify causes of any delay and advise APPCB of suitable corrective actions in a timely manner.
9. Associate with the tests being carried out by staff of the Contractor and undertake additional tests as necessary to ensure the quality of works. The reports shall be submitted to APPCB.
10. The supervision consultant shall assist APPCB to take all necessary measurements at on-site or off-site with calibrated equipment and maintenance of record of measurements.
11. The supervision consultant shall assist APPCB in processing of RA bills.
12. Provide assistance to the APPCB in respect of contract implementation, claims and other matters;

13. Advise and assist the APPCB with respect to the arbitration, the appeal of arbitration or litigation relating to the works, whenever required;
14. Prepare fortnightly reports fully describing the progress of work and the services rendered by the consultant during the month under review.
15. Ensure that the contractors submit 'As Built' drawings and verify them before the closure of the contract.
16. To interact with the remediation Consultants and provide technical clarifications to the contractors on the specifications, designs and drawings of the tender document, as may be required from time to time. WB-CBIPMP/APPCB/ToRs – Supervision consultant MSW, Kadapa

5. Qualifications expected:

- The firm should have experience in Project Management Consultancy for Solid Waste Management Projects.
- At least have completed one project of a similar nature and cost, in the past 5 years.
- A Team leader on company roles in the last three years with civil engineer background and 15 years' experience in Municipal Solid Waste Scientific landfills and Solid Waste Management Projects
- A Site Engineer on company roles with Civil Engineering as background with an experience of ten years in construction of MSW scientific landfills

To have available three civil and environmental engineers in:

- o waste sorting,
- o segregation and
- o MSW landfill construction

6. Short Listing: The following criteria will be used for evaluating the EOIs for shortlisting the firms

- Supervision Consultants will be selected in accordance with the procedures set out in the World Bank's Guidelines.
- Supervision Consultants will be short listed on the basis of their past experience, number of similar types of projects/assignments handled, strength of their key personnel and financial strength of the firm/organisation.

7. Timeframe

One year from the date of issue of contract or co-terminus with the project whichever is early. The interested firms shall forward their applications with copies of experience such as projects executed, value and capacity, details of works carried out relevant to the present project with copies of performance letter from the client, details of approval / empanelment, if any, from Government / Government Agencies, details of manpower etc., The EOI may be submitted to The Member Secretary, APPCB / Project Director, CBIPMP, Paryavarana Bhavan, A-III Industrial Estate, Sanathnagar, Hyderabad – 500 018