

INVITATION FOR EXPRESSION OF INTEREST FORCONSULTANCY SERVICES TO DEVELOP A MASTER PLAN FOR IMPROVING WASTE MANAGEMENT IN JAFFNA DISTRICT, SRI LANKA

1. Background

The responsibility of providing solid waste management services lies with the Local Authority (LA) of the respective area. The LAs are third tier of the government structure of Sri Lanka and more than any other tier of government, it affects the lives of people at a personal level, on a day-to-day basis. The local government system is potentially an important resource for democratic governance and socio-economic development in Sri Lanka. In principle, LAs are better placed to respond to and collaborate with civil society than de-concentrated units of the central government or provincial governments. The current Municipal Council, Urban Council and Pradeshiya Sabha laws define LA responsibilities for providing infrastructure and services to local citizens. Solid Waste Management is the first and foremost service offered by the LAs in addition to number of other services including, maintenance of tertiary roads and drains, water supply, basic sanitation, community health, etc.

The lack of solid waste management is one of the most serious local environmental problems in Sri Lanka. It poses a significant risk to public health and the environment and a burden to the national economy. The country lacks resources, information and expertise to effectively address the solid waste challenge. The risks caused by the lack of management continue to increase, because poorly-developed and under-resourced waste management systems have been overwhelmed.

Secretariat – Ministry of Local Government, Industries and Lands - Northern Province (MLGILNP) wishes to call for Expression of Interest (EOI) from reputed consultancy firms and business ventures capable of developing a “Master Plan for improving Waste Management in Jaffna District”. Selected consultancy service provider or Consortium of consultancy service providers will engage in developing the Master plan for improving Waste Management in Jaffna District.

2. Existing Situation of Solid Waste Management in Jaffna District

Since SWM has been identified as one of the major issues faced by almost all the LAs, irrespective of big or small, in the country, most of the LAs in Jaffna too confirm this fact. The existing situation in SWM has been comparatively severe in following LAs in the district not only based on the amount of waste generated but also considering urbanization, population and economic growth potential. In general, out of the waste generated in the district upto 70 - 80 % of the wastes could be categorised as organic and recyclable matters. Special considerations should be taken to address issues related to wastes from agriculture activities, slaughter houses and healthcare facilities. The slaughter house waste and healthcare waste are handled by the LAs mostly using open dumping disposal practices. At present, the 17 LAs in the Jaffna district on average

generate about 100 MT per day. In the Jaffna district, the major contributors of solid waste in the district are listed below;

No.	Local Authorities	At Present Amount of Waste Collection
1	Jaffna, Municipal Council	70.0 tons/day
2	Chavakachcheri, Urban Council	4.5 tons/day
3	Point Pedro, Urban Council	4 tons/day
4	Valvettithurai, Urban Council	3 tons/day
5	Velanai, Pradeshiya Sabha	3 tons/day
6	Nallur, Pradeshiya Sabha	4 tons/day
7	Vali South West, Pradeshiya Sabha	4.8 tons/day
8	Vali West, Pradeshiya Sabha	1.82 tons/day
9	Vali South, Pradeshiya Sabha	10 tons/day
10	Vali North, Pradeshiya Sabha	3.5 tons/day
11	Vali East, Pradeshiya Sabha	8 tons/day
12	Chavakachcheri, Pradeshiya Sabha	2.6 tons/day
13	Vadamarachchi, Pradeshiya Sabha	6 tons/day
14	Point Pedro, Pradeshiya Sabha	4 tons/day

It is obvious that the LAs mostly focus towards solid waste collection but not in solid waste management. Some common features can be seen in terms of SWM in the Jaffna district are;

- Under utilization of existing resources is a common factor in almost all 14 LAs.
- Decision making in waste management is mainly by practice not through results or performance
- Lack of data related to SWM operations
- Poor recognition of sanitary workers
- Poor coordination among the relevant divisions of the LA and with other institutions and organizations outside the LA
- Lack or no community and stakeholder participation in SWM
- Lack of technical knowledge in SWM

3. Objectives

Main Objectives of the assignment are;

- Assess the need for better solid waste management with respect to the anticipated rapid development in the region
- Reduce the health problems promoted by the poor solid waste management practices
- Implement an Integrated Solid Waste Management Plan for each local authority in the region

- Identify effective and efficient disposal methods which are relevant to the region
- Create awareness among the stakeholders on solid waste management and impacts

4. Broader Scope of Work

1. Examine the existing situation of solid waste management in the town centres and rest of the area in the region and assess the key features of SWM practices with reference to following areas, but not limited to;
 - Waste generation:
 - Composition of Waste
 - Technology adopted for storage, collection, transportation and disposal of waste:
 - Primary Collection
 - Waste Storage Depots
 - Street Sweeping
 - Transportation of wastes
 - Processing and Disposal of Waste
 - Institutional Arrangements
 - Community Involvement
2. Assess the present generation of solid waste according to the type of activity i.e. residential, industrial, commercial and others etc.
3. Identify the problems related to the disposal of solid waste in the urban areas of the region.
4. Identify suitable areas for solid waste disposal in the region.
5. Develop an implementation strategy for waste management at three levels
 - Community
 - LA
 - District or cluster level (combination of more than one LA)
6. Develop specific technical solutions for waste generation, collection, transport and disposal at different levels. When developing following factors should be considered but not limited to;
 - Conversion of Organic Waste / Bio-degradable Waste into Bio-organic Fertiliser (Compost)
 - Caution against using unproven technologies
 - Land to be made available on priority for processing and disposal of waste
 - Criteria for Site Selection, Site Development and Landfill Operations
7. Provide cost estimates for implementation of proposed technical solutions at different levels
8. Study government policies, programmes and projects related to above mentioned physical infrastructure in order to incorporate in the development plan.
9. Identify all the required stakeholders and engage with them to ensure their active participation in developing the Master Plan

10. Carry out necessary consultation and awareness programs to gather necessary inputs from the stakeholders for finalizing the master Plan
11. Develop guidelines for LAs to practice in SWM specifically on waste collection, transport and disposal
12. All information related to above solid waste dumping sites should be indicated on maps.
13. The consultant is required to co-operate with relevant infrastructure agencies who are responsible for solid waste management. In the region

5. Key Stakeholders and Responsibilities

In addition to the Chief Minister's Ministry, NP as the implementation agency of this initiative there are following key stakeholders who will actively engage in facilitation of this assignment;

- NPC
- Ministry of Health
- Department of Local Government of NP
- Office of Assistant Commissioner of Local Government in Jaffna District
- LAs
- Environmental Authority

Chief Minister's Ministry, NP will provide necessary guidance and assistance to the expert to carry out the assignment. Main responsibilities are,

- Act as the project manager for this assignment
- Coordination with the expert and other stakeholders
- Coordinating with all government officials on behalf of NPC
- Liaising with the relevant government and non-governmental organizations to successfully implement this initiative
- Monitor the progress of the implementation with the support of key stakeholders

6. Deliverables

The expert to be selected will have to submit his final deliverable in the form of a detail report as per the given structure. The given structure is only an indicative one but the content can be expanded by the expert but cannot be reduced. MLGILNP will finalise the content of the deliverable with the expert on a mutually accepted manner after selection.

Section I : Exiting Situation

- Waste Generation Contents
- Collection of waste
- Quality of waste
- Transportation of waste
- Processing of Waste

- Disposal of waste
- Status of compliances with existing legal framework on SWM
- Extent of Private Sector/ CBO/ NGO partnership in SWM
- SWM Cost recovery

Section II : Legal Framework and Forecasting for Future Scenario

- Legal framework at National, Provincial and LA levels
- Bylaws and statutes
- Forecasting of waste generation
- Future issues

Section III : Overall Recommendations

- Improving Primary Collection of Waste
- Storage Improving Methodology
- Methods for Bulk storage of waste at storage depots
- Methods for Transportation of waste
- Methods for Processing of waste
- Methods for Disposal
- Development of Organizational Structure
- Development of better Trained SWM personals
- Better Public awareness and education activities
- Cost benefit analysis
- Identification of Solid Waste Management sites
- Budget for implementing the plan
- Possibility and Engaging Private Sector in Solid Waste Mngement

Section IV : Implementation of SWM Master Plan

- Short term Strategies
- Long Term Strategies
- Specific SMP Plans for Major LAs (number will be decided by the MLGILNP)

7. Format of EOI Application

The suitable applicants are required to submit their EOI application to the implementing agency, MLGILNP along with the following documents using the formats given in the Annexure of this document.

- Covering Letter for the EOI Application in the prescribed format (Annex I)
- Details of the Applicant (Annex II)
- Members of Consortium (Annex III)
- Copy of the MoU [in case of a Consortium]
- Experience in Similar Jobs (not more than 10 projects within last ten years, Annex IV)
- Power of Attorney as per the prescribed format [Annex V and Annex VI]
- Copy of Company Registration

- Last three years audited final accounts
- Letter of satisfaction from the clients

8. Selection Criteria

MLGILNP will select suitable applicant for REQUEST FOR PROPOSAL based on the following selection criteria;

Factor	Scoring Criteria	Maximum Score	Remarks
General Experience and past performance of the firm		10	Give brief
Experience in Waste Management related projects, in last 10 years of the firm	Over 10 – 100% Between 5 – 9 – 50% Between 1 – 5 – 25%	60 If Consortium Lead – 35 Member firm -25	Should be separate projects
Letters of Satisfaction of Clients	Over 6 – 100% Between 3 – 5 – 50% Between 1 – 2 – 25%	20	All members of the consortium will be considered
Preparation of Solid Waste Management Plans	At least two – 100% At least one – 50%	10	

Firms which are not satisfied with the EOI application format will not be considered for evaluation.