

TERMS OF REFERENCE

Assignment Title	Consultant, Solid Waste Management
Type of Contract	IC
Start/End Dates	1st – 31st October 2019
Working Days	20 days including 15 days in country
Supervisor(s)	Senior Technical Specialist, Rakhine State, Chief Technical Advisor, Local Governance
Duty Station	Sittwe, Rakhine State with travels to selected townships in Rakhine State

1. Background

The 2008 Constitution and the 2015 National Ceasefire Agreement marked the beginning of the decentralization process in Myanmar and the 2015 Myanmar general election has paved the way for Myanmar's first civilian government. As the democratic transition in Myanmar progresses, pressures on government at all levels to effectively address the needs of the population, in line with the Sustainable Development Goals, have become greater. At subnational level, the state/region governments are responsible for addressing these needs through formulating development visions and five-year strategic plans as well as annual development plans.

UNDP Myanmar's Support to Effective and Responsive Institutions Project (SERIP) aims to strengthen the effectiveness of state executive and legislative institutions in understanding the needs and aspirations of the Myanmar people, in all their diversity but also growing inequalities, and in formulating, implementing and evaluating policies as well as in appropriating public resources in a way that provides effective, timely and equitable responses to these aspirations. Output 4 of SERIP is related to Subnational Governance, helping address the critical interface between the formulation of public policies and the actual delivery of public goods and services to citizens.

UNDP's Township Democratic Local Governance (TDLG) Project, situated under SERIP, addresses the institutional challenges in Myanmar's local governance structures. TDLG aims to support the adoption of more efficient and evidence-based business processes in the delivery of a range of public services. It is designed along four work streams¹, including strengthening the capacities of township administrations to meet local needs for public services. TDLG is a critical output in SERIP to demonstrate to the public an increase in the state's effectiveness and responsiveness in meeting their aspirations.

TDLG engages in the following five townships of Rakhine State: Ponnagyun, Ramree, Toungup, Thandwe and Gwa. Through supporting participatory and inclusive planning and budgeting processes at township level, and extensive engagement with State-level Government and Departments, a key

¹ The four workstreams of TDLG: to strengthen the capacities of township administrations to meet local needs for public services; to facilitate information sharing and meaningful participation by the public in planning processes; to facilitate township administrations engaging with ethnic armed organizations on service delivery coordination; and to utilize lessons learned by the project to advocate for policy change.



service delivery priority identified is to improve solid waste management. Currently, solid waste collection and disposal is a strain on the environment and human health, as well as the economy, in the State.

Rakhine state has seen vast infrastructure expansion of roads, bridges, telecommunications and public utility services. At the same time, rural to urban migration has resulted in large population centers with vastly different consumption demands than before. As such, SWM practices – regulation, collection, and disposal – are also undeveloped. Often unregulated, personal, industrial, chemical, and hospital waste is collected by private entities and disposed in undesignated spaces close to population centers, and without accounting for public safety.

Rakhine state lacks modern and efficient infrastructure for collection and disposal and it is common to see heaps of garbage both in urban and rural areas set on fire or polluting water sources. Ultimately, these risky practices are a result of insufficient services and regulation, as well as an uninformed citizenry.

These shortfalls in services represent an opportunity for improvement, investment and economic growth. Reducing landfill waste is an environmental and public health necessity, but also an opportunity to provide jobs in reprocessing some of the materials for industrial use. As part of the effort to boost economic growth taking advantage of existing resources, an assessment is needed to evaluate the potential of getting systems for SWM in place.

The SWM sector is one that can operate and provide income opportunities regardless of the economic situation. An assessment that identifies market linkages, as well as market gaps, is needed for improvement of the system of waste collection and disposal, and to provide opportunities for the recovery of the local economy at the same time. There is a need to map out the value chains and potential for increased efficiency in this sector. Beyond the regulated establishment of safe landfills, collection of waste, and safe disposal of different kinds of waste (industrial, hospital, etc.), information is needed on the potential for employment and private sector opportunities to recycle and reuse the waste.

Against the above background, UNDP has initiated a consultancy in 2018 covering Mon State. Building on the outcomes of the work in Mon, UNDP will contract an experienced consultant to provide sound technical advice and capacity development support to Rakhine State Government on SWM, and the Department for Development Affairs in particular.

2. Aim and Objectives of the assignment

The aim of the assignment is to assess Rakhine State's waste management system, examine the existing Solid Waste Management (SWM) cycle in Rakhine State and propose improved SWM systems and interventions as well as to ensure it is economically and environmentally sound. Recommendations will include educational interventions for the public (e.g. recycling, reusing, and

marketing and sales of recycled or raw materials to be recycled, to potential markets inside or outside Rakhine state).

Objectives of the assignment are:

1. To conduct a situation analysis of SWM in Rakhine State, including the SWM cycle, value chain systems, stakeholders involved, and potential private sector actors;
2. To identify opportunities and constraints, including current technical, financial and human capacities for SWM related products and processing opportunities that have a high potential for employment creation;
3. To provide recommendations on specific entry points for civil society organizations, the private sector and public authorities to support livelihoods initiatives in the solid waste value chain in the urban, peri-urban and rural areas in Rakhine state;

3. Scope of work

Conduct situation analysis of SWM in Rakhine State

- Review available literature and current praxis and legislation for solid waste management in Myanmar and in Rakhine state
- Building on the SWM consultancy carried in out in Mon State, assess the extent to which the identified institutional and legal framework and recommendations for updates and new legal frameworks to strengthen SWM service delivery also hold true for Rakhine state.
- Using the approach applied in Mon State, conduct stakeholder mapping of Rakhine State's SWM cycle, including private sector actors and other stakeholders such as companies working in waste collection and disposal, with an interest in working in this sector, green industries, etc.
- Hold interviews with key government departments, notably Department for Development Affairs but also other relevant departments and private entities
- Conduct field visits on sites with high potential of waste production, including urban areas and their surroundings, formal and informal dumpsites, long-term displacement camps in urban and rural areas, formal and informal recycling operations and work-sites where waste is collected, sorted and dumped
- Produce a baseline report of SWM in Rakhine State, including but not limited to assessment of waste types and volumes, economic analysis of solid waste value chains, and market research, value chain maps. Identify critical gaps and priority entry points for a SWM system
- Deliver a draft roadmap for development of a SWM Masterplan
- Present report and roadmap at a roundtable to key stakeholders for feedback
- Deliver final situation analysis report and roadmap and present at a workshop organized by UNDP

4. Expected Deliverables

Deliverables/Outputs	Target Due Dates	Percentage
1. Inception report including detailed workplan for the assignment	Within 5 working days after signing the contract but not later than 8th October 2019	20%
2. A draft report with: <ul style="list-style-type: none"> • Progress made towards achieving the objectives of the assignment • Recommendations for adjustments, if applicable • Attachments including: <ul style="list-style-type: none"> ➢ Background papers ➢ Rakhine State SWM situation analysis ➢ Vision for the Roadmap to develop SWM Masterplan 	By 22 nd October 2019	60%
3. Final report on the assignment	Within 5 working days after receiving the comments on deliverables but not later than 31 st October	20%

5. Duration of Work and Duty Station

The present assignment includes desk and field research, which should be conducted within 20 working days (including up to 15 days in country) after the contract signature. The consultant will be contracted for the period of 1st to 31st October 2019. Duty station will be determined in collaboration with Rakhine state government in Rakhine State, Myanmar.

6. Required Skills and Expertise

Academic qualifications:

Master’s Degree in environmental or ecological engineering, civil engineer or discipline relating to waste management



Experience:

- Minimum 15 years of relevant experience in the SWM field
- Proven experience in working with governments facilitating dialogue, building networks and other partnerships to achieve results in the SWM field
- Experience of engagement with government of developing and/or transition countries
- Understanding of the democratic transition process in Myanmar
- Knowledge and experience of working in South East Asia is required. Previous experience in Myanmar is a strong advantage
- Specialization in developing capacity building initiatives in a development country context
- Excellent facilitation and communication skills
- Excellent writing skills, including report writing

Language:

- Excellent written and verbal English is required

7. Selection Criteria

Selection Criteria Individual consultants will be evaluated based on the cumulative analysis of the technical evaluation (weight: 70%) and financial criteria (weight: 30%). Only candidates obtaining a minimum of 70 point from the technical evaluation would be considered for the financial evaluation

Criteria	Total points
<u>Technical</u>	<u>100</u>
Minimum 15 years of relevant experience in the SWM field	30
Previous experience in working with government facilitating dialogue, building networks and other partnerships to achieve results in the SWM field	25
Experience of engagement with government of developing and/or transition countries	25
Previous experience in South East Asia; experience in Myanmar is a strong advantage	20
<u>Financial</u>	<u>100</u>
Total	200

8. Administrative and Logistical Arrangements

- There is no international travel assumed for this ToR
- UNDP will book and arrange in-country travels.
- When missions outside the specified duty stations are agreed between UNDP and the expert, UNDP will arrange and cover the transportation.



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- UNDP will arrange translator(s) and interpreter(s) if and when required.

9. Consultant Presence Required on Duty Station

PARTIAL

INTERMITTENT

FULL TIME