

United Nation Development Programmed (UNDP)



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Terms of Reference

Consultancy Services for the Rehabilitation of 7 Auto Claves and Construction of 7 Ash Pits

Type of Contract: Individual Consultant (National)

Language Required: English

Duration: 35 days over 2 months from 15 October to 15 December 2020

Location: Montserrado, Margibi, Bong, Nimba, Lofa and Maryland Counties

Application Deadline:

1. BACKGROUND

Liberia activated its Incident Management System (IMS) in March, as part of the National COVID-19 Preparedness and Response Plan. The IMS comprises 17 Response pillars, including the WASH and Waste Management Pillar. The core mandate of the WASH and Waste Management Pillar is to assist the IMS in ensuring the implementation and compliance with water, sanitation, hygiene- related standards, guidelines, policies, practices and protocols pertaining to the National COVID-19 Response.

UNDP is supporting the Liberia National COVID-19 Response, including through the IMS Pillars. Assistance to the WASH pillar is channeled through the National Water Supply, Hygiene and Sanitation Commission. The overall objective of this intervention is to create a platform for effective coordination of waste management (particularly medical waste) activities and ensure sustainable management and collection of COVID-19 medical waste. The management of medical waste was identified as a serious challenge by the WASH and Waste Management Pillar. UNDP is supporting the rehabilitation of the autoclaves including finding alternative energy sources, as part of its assistance to the National COVID-19 Response. A key component of this intervention will include the construction of 7 Ash Pits and rehabilitation of the 7 autoclaves that were installed during the Ebola in Liberia. UNDP is seeking a national expert/consultant to execute this assignment.

2. OBJECTIVE OF THE ASSIGNMENT

To ensure effective functioning of seven Auto claves and usage of Ash Pits in the seven hospital locations (JFK, Redemption, Rennie, Phebe, Tellewoyan, JFD & J. J. Dossen) by fully

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01-Oct-2020

rehabilitating the seven autoclaves and ensuring the construction and usage of Ash Pits to ensure responsible management of medical waste from COVID-19 Treatment Units.

3. SCOPE OF WORK

The specific tasks related to the consultancy include but are not limited to the following:

- a) Provide all relevant working tools for the effective functioning of the seven autoclaves in the seven facilities.
- b) Construct Ash pits in each of the 7 identified facilities with a diameter not less than 4ft and a depth not less than 10ft of a cylindrical Shape and construct a block wall of total height of 3ft, 2ft below grade and 1ft above
- c) Construct a pre-cast slab to be placed as covering for the waste pit not more than 4 inches thick.
- d) Conduct one-day training in the operation, maintenance and security for the use of the Auto claves and Ash Pits to the beneficiaries.
- e) Submission of inception and final reports at the beginning and end of the assignment

4. METHODOLOGY

The Consultant will work closely with the Energy and Environment team in UNDP Liberia, the Program Department of RREA, focal points at the 7 facilities and other relevant designated staff in order to carry out the installation of the solar PV system in line with full details provided by UNDP/RREA.

5. DELIVERABLES

The main deliverables of the assignment include:

- a) Rehabilitate the 7 Auto Claves by re-installing/ repairing all damaged items and connections, including the plumbing systems;
- b) Construct 7 Ash pits in 7 locations for the disposal of the medical waste after being sterilized and grind;
- c) Training manual (with graphic illustrations) that provides basic knowledge on the usage of the Auto Clave and the Ash Pit;
- d) Conduct training with beneficiaries on the proper use of the Auto Clave system and Ash Pits
- e) Inception and final reports at the beginning and end of the assignment

6. CONSULTANT QUALIFICATION REQUIREMENTS

The selected consultant should have at least five years of expertise in plumbing and Electrical Installation (i.e. must have done similar work in this area in the last five years).

7. Payment Modality

Clearance/approval for payment will be made by the Autoclave technical team, the beneficiary and UNDP at the completion of the following milestones:

- a) 50% after the submission of inception report including work plan, completion of rehabilitation of the 7 Auto Claves by re-installing/ repairing all damaged items and connections including the plumbing systems and; Construction of 7 Ash pit in 7 locations for the disposal of the medical waste after being sterilized and ground;
- b) 30% after completion of training manual (with graphic illustrations) that provides basic knowledge on the usage of the Auto Clave and conducting training with beneficiaries on the use of the Auto Clave system.
- c) 20% after submission of final report and conduct of verification.

8. CLIENT'S INPUT

The client will provide the following inputs:

- a) A counterpart/focal point at UNDP to provide primary introduction to relevant stakeholders and resolve issues that may arise during the installation;
- b) Any other available reports as may be needed for the assignment.

9. TIME FRAME

The expected duration for this assignment is 5 days per site, of professional staff time, and shall last for approximately ten weeks.

10. CERTIFICATION

The Client shall certify completion and operational acceptance of the installation by issuance of completion and operational acceptance certificates respectively.

Certificate of Completion: The Consultant shall be issued a Certificate of Completion after completing the services in accordance with all the terms and conditions agreed by the parties.

Signed: Moses massah 01-Oct-2020
Moses Massah, Energy & Environment Programme Specialist

Cleared: Dorsla Farcarthy 01-Oct-2020
Dorsla Farcarthy, Team Leader/ IGSD

Approved: Violet Baffour 01-Oct-2020
Violet Baffour, DRR/P