

Title	Funding Code	Type of engagement	Duty Station:
<p>Consultant – HFSE Specialist</p> <p>One national consultant required</p>	<p>Grant: SM230722</p> <p>WBS: 1410/A0/07/001/002</p>	<p><input checked="" type="checkbox"/> Consultant</p> <p><input type="checkbox"/> Individual Contractor</p>	<p>Addis Ababa, Ethiopia</p>

Purpose of Activity/Assignment:

Timely and equitable immunization services are amongst the most cost-effective development. The main purpose of the assignment is to manage the learning agenda (pilot) at country end for implementing Health Facility Solar Electrification (HFSE) through CCEOP platform of GAVI. The implementation is being led by UNICEF under the HFSE Learning Agenda initiative by GAVI, UNICEF and WHO. HFSE provides health facilities with reliable and sustainable electricity, enabling them to perform both routine and lifesaving health services for hard-to-reach children and communities. HFSE is a growing priority, and a critical step for strengthening Primary Health Care (PHC) infrastructure to attain the objectives outlined in the Sustainable Development Goals (SDGs), including Goals 3, 7, 11, and 13.

The HFSE Learning Agenda is being implemented in the following countries: Ethiopia, Pakistan, Uganda, and Zambia. Therefore, UNICEF Country Offices seek to hire 1 qualified Health Facility Solar Electrification (HFSE) Project Specialist Consultant for each of the above-mentioned countries.

The Consultant will be based in the pilot country to manage HFSE Learning Agenda project for the respective country, focusing on designing, planning, implementing, and monitoring workplans to deliver HFSE project. Specifically, the consultant will manage the section's project to solarize PHC facilities end-to-end in prioritized geographic areas. The Consultant will report directly to the Health Manager, Immunization of the respective Country Office (CO) and Supply and Logistics Manager, Programme Group, ISC and will work closely with the HFSE working group.

Scope of Work:

The consultant will support UNICEF CO in HFSE work aimed at strengthening the Primary Health Care by conducting the below activities:

Under the overall supervision of the chief of health and the direct supervision of the health specialist, the consultant will be accountable for the following key task:

1. Stakeholder Mapping and coordination with Ministry of Health, Ministry of Energy and any other relevant agency involved in solarization of health facilities.
2. Report the progress of project and key decisions with project management team (PMT++)
3. Coordinate the HFSE Site Assessment initiative involves setting up an expanded Project Management Team (PMT++) and commencing the assessment and preparation of the Operational Deployment Plan (ODP) within the country. Coordinate the finalization Finalizing the design of solar system for all the health facilities and preparation of Operational Deployment Plan (ODP++) for procurement.
4. Support the implementation of the Health-Energy Ecosystem Analysis recommendations in the country.
5. Selection and budget creation of most suitable Operation & Maintenance (O&M) Model and its implementation
6. Tracking, Inspection and Monitoring of service provider installations for quality assurance and providing feedback to UNICEF an PMT++
7. Capacity strengthening of national partners.
8. Monitoring of Project Impact
9. Knowledge Management

At the beginning of the assignment, the consultant is expected to discuss and agree with UNICEF and MOH on work plan schedules for the assignment period.

Details of Scope of Work are attached as Annex-1.

Budget Year: 2024	Requesting Section/Issuing Office: Health	Reasons why consultancy cannot be done by staff: The activity requires highly specialized technical expertise and there is no capacity in the team to conduct these activities.
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Included in Annual/Rolling Workplan: Yes No, please justify:

<p>Consultant sourcing:</p> <p><input checked="" type="checkbox"/> National <input type="checkbox"/> International <input type="checkbox"/> Both</p> <p>Consultant selection method:</p> <p><input type="checkbox"/> Competitive Selection (Roster)</p> <p><input checked="" type="checkbox"/> Competitive Selection (Advertisement/Desk Review/Interview)</p>	<p>Request for:</p> <p><input checked="" type="checkbox"/> New SSA</p> <p><input type="checkbox"/> Extension/ Amendment</p>
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If Extension, Justification for extension:

Supervisor: Gulilat Eshetie Immunization Officer, Health Section	Start Date: 15 February 2024	End Date: 14 February 2025	Number of Days (working) 260 days
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Work Assignment Overview	Deliverables/ Outputs	Delivery deadline	Estimated Budget and funding information in USD (WBS, fund, grant)
Project Management	1. Technical Assistance to Project Management Team (PMT++)		
	1.1 Stakeholder Mapping and Coordination	Mar-24	
	1.2 Monthly Progress Report on project implementation in coordination with PMT++	Dec-24	
Project Implementation	2. Site Assessment		
	3.1 Progress report on site assessment (Training, planning)	June-24	
	3.2 Progress report on site assessment (Data Collection)		
	3.3 Final Progress report on site assessment approved by PMT++		
Design of Solar PV System	4. Design of Solar PV System, installation information and finalization of Operational Deployment Plan (ODP)		
	4.1 Submission of final ODP	July-24	
Health-Energy Ecosystem Analysis	5. Health-Energy Ecosystem Analysis		
	5.1 Progress Report on Ecosystem analysis, Findings, and implementation.	Aug-24	
O&M Model Implementation	6. O&M Model Implementation		
	6.1 Report on preferred O&M model by PMT++	Sep-24	
Tracking, Inspection and Monitoring	7. Tracking, Inspection and Monitoring of service provider installations	Oct -24 and Nov -24	
	7.1. Monthly progress report on implementation of PV systems at ODP++ sites	April -24 and May 24	

Capacity Building	8. Capacity Strengthening of national partners.		
	8.1. Monthly Report on capacity strengthening of national partners / local officials	Feb -24	
M&E	9. Project Impact Monitoring		
	9.1. Monthly report on project impact monitoring	Dec-24	
Knowledge Management	10. Knowledge management		
	10.1 Documentation of 4 human interest stories/case studies ready to publish	Jan-25	
	10.2 One video documentation on project in coordination with UNICEF Comms team	Feb-25	
Estimated Consultancy fee			
Travel International (if applicable)			
Travel Local (please include travel plan)	Monitoring reports on Vaccine and Cold chain Management interventions at the EPSS Hubs, Regional health Bureaus and service delivery point.	Jan, Feb, March, May, June, July, August, Sep, Oct & Nov 2024	
DSA (if applicable)			
Total estimated consultancy costsⁱ			

<p>Minimum Qualifications required*:</p> <p><input type="checkbox"/> Bachelors <input checked="" type="checkbox"/> Masters <input type="checkbox"/> PhD <input type="checkbox"/> Other</p> <p>Enter Disciplines:</p> <ol style="list-style-type: none"> 1. Relevant master’s degree in supply chain management/Public Health/Renewable Energy/Public Administration/Social Policy/Social Development and any other relevant disciplines 2. 5 years of working experience with UNICEF/Ministry at national or international level <p><i>*Minimum requirements to consider candidates for competitive process</i></p>	<p>Knowledge/Expertise/Skills required *:</p> <ol style="list-style-type: none"> 1. Working experience in project management in development sector focusing on cold chain equipment and solar energy solutions deployment. 2. Experience of coordination with MoE, MoH, energy-health stakeholders 3. Knowledge of solar PV equipment compliance standards and certification. 4. Experience with site data collection, monitoring, and database management. 5. Knowledge of energy efficiency and energy conservation concepts. Working experience with cold chain logistics and immunization program. <p>Core Values:</p> <ul style="list-style-type: none"> ▪ Care ▪ Respect ▪ Integrity ▪ Trust ▪ Accountability ▪ Sustainability <p>Core Competencies:</p> <ul style="list-style-type: none"> • Nurtures, Leads and Manages People (1) • Demonstrates Self Awareness and Ethical Awareness (1) • Works Collaboratively with others (1) • Builds and Maintains Partnerships (1) • Thinks and Acts Strategically (1) • Drives to achieve impactful results (1) • Manages ambiguity and complexity (1) <p><i>*Listed requirements will be used for technical evaluation in the competitive process</i></p>
<p>Administrative details:</p> <p>Visa assistance required: <input type="checkbox"/></p> <p>Transportation arranged by the office: <input checked="" type="checkbox"/></p>	<p><input type="checkbox"/> Home Based <input checked="" type="checkbox"/> Office Based: Seconded in EPSS Head Office and UNICEF CO</p> <p>If office based, seating arrangement identified: <input checked="" type="checkbox"/></p> <p>IT and Communication equipment required: <input type="checkbox"/></p> <p>Internet access required: <input checked="" type="checkbox"/></p>
<p>Request Authorized by Section Head</p>	<p>Request Verified by HR:</p>
<p><i>Approval of Chief of Operations (if Operations):</i> _____ <i>Approval of Deputy Representative (if Programme)</i> _____</p> <p><i>Representative (in case of single sourcing/or if not listed in Annual Workplan)</i></p>	

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ⁱ Costs indicated are estimated. Final rate shall follow the “best value for money” principle, i.e., achieving the desired outcome at the lowest possible fee. Consultants will be asked to stipulate all-inclusive fees, including lump sum travel and subsistence costs, as applicable.

Payment of professional fees will be based on submission of agreed deliverables. UNICEF reserves the right to withhold payment in case the deliverables submitted are not up to the required standard or in case of delays in submitting the deliverables on the part of the consultant

Annex – 1

Details of Scope of Work:

1. Stakeholder Mapping and Coordination

- Lead the strategic program design, partner coordination and representation of HFSE TWG at the country level.
- Liaise with Ministry of Health, Ministry of Energy and any other relevant agency involved in solarization of health facilities.
- Identify all stakeholders in the country involved with planning, funding, and implementing projects of solarization of health facilities.

2. Technical Assistance to Project Management Team (PMT++)

- Organize the Project Management Team for HFSE (PMT++) at the country level to manage HFSE activities. The PMT++ membership shall consist of relevant departments of Ministry of Health, Ministry of Energy and other national stakeholders.
- Participate and liaise with PMT++ for day-to-day management and monitoring and evaluation exercises, programme reviews and progress and determine required action/interventions to achieve results.
- Lead the discussions with PMT++ to decide the criteria for site selection of health facilities to be solarized for maximum impact.
- Facilitate the PMT++ to organize and manage the site assessment exercise.
- Guide the PMT++ and technical experts to analyse the assessment data and develop the operation deployment plan (ODP++) for PHC solarization.
- Guide PMT++ and UNICEF to select appropriate Photo Voltaic (PV) system for the assessed health facilities based on the assessment data analysis.
- Plan and/or collaborate with internal and external partners to establish monitoring benchmarks, performance indicators and other measurements to assess and strengthen performance accountability, coherence, and delivery of concrete and sustainable results for the assigned health programmes.
- Guide the PMT++ to plan for adequate operations and maintenance strategy in coordination with HFSE Alliance members.
- Ensure the monitoring framework of key results is regularly updated and key deliverables are achieved.

3. Site Assessment

- Conduct desk review to identify facilities for energy & infrastructure assessment according to the programme objectives of UNICEF and Government.
- The study should identify the sites with the most need of solar energy intervention with the possibility of having the highest impact on health service delivery.
- Lead and coordinate with national (CO), sub-national and global entities to adjust the site assessment template developed by UNICEF and assessment training material to the country context.
- Organize and budget the site assessment exercise of all the potential health facilities with support of country stakeholders.
- Oversee the deployment of assessment teams and coordinate with the vendor (if applicable), Project management team (PMT++), UNICEF for the conduction of health facility solar energy need assessment.
- Conduct data validation and organization of the data collected from sites.

4. Design of Solar PV System, installation information and finalization of Operational Deployment Plan (ODP)

- In coordination with PMT, finalize the electrical equipment for each facility to be connected to solar PV system.
- Calculate the power and energy needs for each facility under assessment.
- In support from UNICEF PG, select the solar PV system size in kW to adequately meet the needs of each facility.
- Based on the site assessment findings, identify and report all features of solar system such as installation location, mounting type, electrical fixtures type, need of grounding and lightning protection.
- Based on the site data and upon confirmation from the PMT++ notify the UNICEF Supply Division on the services that are to be included in the service bundles (wiring of facility, fencing, number of years of O&M).
- Present the assessment findings and HFSE packages details to HFSE Technical Working Group and PMT++ for endorsement.
- Complete the ODP template for each health facility and get endorsement of PMT++ before submitting to UNICEF Supply Division for procurement.
- Coordinate the decision-making process on the procurement and custom clearance roles and responsibilities between UNICEF SD, CO and PMT++.

5. Health-Energy Ecosystem Analysis

- Review report of the **health-Energy Ecosystem Analysis conducted by CHAI.**
- Support MOH and stakeholders on the implementation of the Ecosystem Analysis recommendations
- Carry out interviews with stakeholders (both public and private) to understand the ongoing challenges with solar project deployment and to find practical solutions.

6. O&M Model Implementation

- Guide the PMT to implement Operation and Maintenance model accepted by stakeholders.
- Advocate for the implementation of O&M recommendations from the Ecosystem Analysis
- Coordinate with national and international entities to setup recommended structures at the country level.
- Develop proposals to seek support and funding for required resources to execute long term O&M contract.

7. Tracking, Inspection and Monitoring of service provider installations for quality assurance and provide feedback to Supply Division

- Monitor the equipment arrival in the country and logistics to sites.
- Monitor the installation team's workmanship and progress during installation phase.
- Conduct system and works inspection for quality assurance during installation, commissioning, handover, performance monitoring and provide feedback to Supply Division
- Organize Handover event of commissioned solar systems to PMT++/MOH

8. Capacity Strengthening of national partners.

- Organize and conduct trainings (technical and managerial) to strengthen the capacity of government personnel, partners, and stakeholders.
- Include government personnel during installation inspection to give them practical exposure.
- Train the PMT to monitor the system performance and identify faults through Remote monitoring Platform.

- Assist PMT to monitor performance of vendor according to contract terms and conditions during both installation and O&M phase.
- Coordinate end-user training of the facility staff and PMT members

9. Project Impact Monitoring

- Support UNICEF and stakeholders to quantitatively and qualitatively measure the impact of solar project on health performance.
- Organize field visit to capture health performance indicators from the health facilities post installations every 6 month to 1 year
- Monthly/Bi-monthly donor reporting to UNICEF CO, RO and HQ

10. Knowledge management

- Support the documentation, reporting and sharing of success stories and programme activities via UNICEF Communications team
- Disseminate presentations and reports indicating progress and impact.