



QUARTER PROGRESS REPORT¹
QUARTER Q4 YEAR 2025

A. BASIC INFORMATION

Quantum Project ID	01004069	Reporting Date:	01/19/2026
Full Title:	Smart Health Systems Zambia (formerly Solar for Health Strengthening Health Sector Service Delivery)		
Start Date:	01/04/2025	Completion Date (and approved extension, if any):	31/12/2026
Total Project Fund (and fund revisions, if any):	USD 8,902,667.50	Annual Project Fund: AWP Budget (2025)	USD 8,902,667.50
Implementing Partner:	UNDP		
Donor/s:	MOH / GF		
Responsible Parties:	MOH		
Project Description	Zambia is grappling with a severe energy crisis due to prolonged droughts that have drastically reduced hydroelectric power generation, resulting in widespread load shedding—up to 17 hours daily in some areas. This has critically disrupted healthcare delivery, particularly in rural and underserved communities. The Solar for Health project, implemented under an 18-month Project Initiation Plan (PIP), is a collaborative effort supported by the Global Fund, the Government of Zambia, UNDP, and private sector partners. The initiative aims to install solar photovoltaic (PV) systems as well as low orbit satellite internet in over 400 rural health facilities to ensure reliable, sustainable electricity for essential services such as emergency care, maternal and child health, vaccine storage, and diagnostics. IoT sensors will be piloted in a subset of 8 model sites to demonstrate and test innovative smart health facility approaches. This intervention is a strategic response to strengthen Zambia’s health system by delivering clean energy solutions that ensure access, improve quality, and build resilience of health services, especially in underserved areas. It lays the groundwork for scaling Smart Health Systems by integrating solar energy, digital connectivity, smart facility design, sustainability planning, and innovative financing as core deliverables. Together these support Zambia’s universal electricity access by 2030, climate adaptation, and the SDGs (3, 5, 7, 9, 13, 17). Expected Outputs 1. Installation of Solar PV Systems in 426 Health Facilities Solar systems will be installed in 238 health posts, 113 rural and 7 urban health centres, 25 hospitals and 3 medical warehouses rural health facilities to ensure uninterrupted power supply, enhancing the reliability of medical equipment and vaccine cold chain storage. This will reduce dependence on costly and polluting fossil fuel generators. The project scope was updated in Q3 to include solarization of 3 ZAMMSA		

¹ UNDP CO Template for project Quarterly Progress Reporting, Updated as of January 2024

	warehouses, bringing the total number of sites to 426 which will strengthen national medical supply chain resilience and improve storage conditions for essential medicines. 2. Strengthening Healthcare Service Delivery Reliable electricity will improve maternal and neonatal care, emergency response, and diagnostic services in rural health facilities. Continuous power availability will support critical units such as laboratories and intensive care. The project scope was expanded in Q3 to include installation and a one-year subscription for low orbit satellite internet (Starlink) at all target health facilities in partnership with Smart Zambia Institute, significantly enhancing digital connectivity for telemedicine, data reporting, and real-time coordination. Additionally, a pilot at a subset of 8 model sites will leverage reliable power and connectivity to demonstrate the use case for IoT sensors in strengthening health service delivery, enabling predictive maintenance and improved patient monitoring. In Q4, a complementary initiative was introduced in partnership with the Government of India to pilot eVIN, an alternative open-source and scalable medicine tracking system, with ZAMMSA and MOH in two districts, supported technically by SZI. This addition will improve supply chain visibility and reduce stock-outs, ensuring that the benefits of reliable power and connectivity extend to medicine availability and overall health system resilience. 3. Capacity Building and Technical Training Healthcare staff and technicians will be trained in the operation and maintenance of solar PV systems and satellite internet infrastructure, supported by technical guidelines and SOPs. A national technical support network will be established to ensure long-term system sustainability. 4. Reduction of Operational Costs and Environmental Impact The use of solar energy will lower operational costs and reduce carbon emissions, contributing to Zambia’s climate change mitigation efforts. It will also decrease reliance on the unstable national grid. 5. Integration of Solar Energy in National Health Policies The project will support the Ministry of Health in developing policies for sustainable energy use in healthcare and promote public-private partnerships for system maintenance. It will also advocate increased investment in renewable energy for health facilities. 6. Financial Sustainability A PPP model will be developed to attract long-term investment, alongside a carbon credit certification process to generate additional funding. A financial sustainability framework and community engagement strategy will ensure continued operation and expansion of solar infrastructure.
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Target Group	Levels ☒National ☐Regional ☒Sub-National (Provincial/ District.) ☒Community/Sectoral Groups	Shocks and Fragility ☐Internally displace persons ☐Migrants ☒Persons directly affected by natural disasters ☐Persons negatively affected by armed conflict or violence ☒Refugees	Socio-Economic ☒People living in multi- dimensional poverty ☒People living under the national poverty line ☒People living in Geographically Isolated and Disadvantaged Areas (GIDA) ☒Unemployed persons	Status ☒Key populations for HIV, tuberculosis, and malaria ☐Minorities (race, ethnicity, linguistic, religions, etc.) ☒Persons with disabilities ☐Sexual and gender orientation ☒Women ☒Youth ☐Indigenous People
Gender Marker	☐ Gen 0 No noticeable contribution to gender equality	☐ Gen 1 Some contribution to gender equality	☒ Gen 2 Gender equality as a significant objective Insert Link to GAP	☐ Gen 3 Gender equality as a principal objective Insert Link to GAP
Contributing to Directions of Change	☒ Structural transformation <i>Structural transformation accelerated, particularly green, inclusive, and digital transition</i>		☒ Gender and Leaving no-one behind <i>No-one left behind, centering on equitable access to opportunities and a rights-based approach to human agency and human development</i>	☒ Building resilience <i>Resilience built to respond to systemic uncertainty and risk</i>
Adopting the Development Enablers	☒ Strategic Innovation <i>Empowering governments and communities to enhance the performance of entire systems, making them adaptive and resilient</i>		☒ Digitalization <i>Supporting countries to build inclusive, ethical, and sustainable digital societies</i>	☐ Development Financing <i>Partnering with governments and the private sector and other partners to align public finance and private capital flows with the SDGs and mobilize finance at scale</i>
Contributing to Moonshots	☐ Helping 100 million people to escape out of multidimensional poverty	☒ Supporting 500 million people to gain access to clean energy,	☐ Supporting 800 million people to participate in elections, many for the first time	☐ Promoting over US\$1 trillion of public expenditure and private capital investment in the SDGs.
2023-2027 CPD Outcome alignment	By 2027, ecosystems are healthier, and more people, including the marginalized and vulnerable, are more resilient, contribute to and benefit from the sustainable management and use of natural resources and environmental services, and more effective respons			

B.2 CPD Output indicator alignment <i>[Choose between 1-3 applicable indicators]</i>	<i>Indicator 1.2.2.: Number of people in rural areas with access to renewable energy solutions</i> <i>Indicator 3.1.1.: Number of strategies and policies developed to enhance digital transformation in public service delivery</i> <i>2.2.2 Number of public and private entities making investments in low emission solutions and schemes through UNDP support [IRRF 2.5.1.1]</i>
SDG Target Tagging	SDG 3, 5, 7, 9, 13 & 17

B. PROGRESS REVIEW

[CPD 2023-2027 indicator tracking 2024.xlsx](#)

Status of Output Indicators²

Expected output	Project Output Indicator	Accomplishment for the Reporting Period		Links to Evidence
		Quarter Target	Quarter Result	
Output 1: Installation of Solar PV Systems in 400 Health Facilities	Number of health facilities equipped with operational solar PV systems	Health facility solarization: Dispatch solar equipment for all provinces; complete installation at 8 model sites to demonstrate the standard approach and enable scale-up planning. ZAMMSA warehouse solarization (3 warehouses): Hold kick-off; complete detailed design; initiate procurement for the turnkey solution to	Health facility solarization: Solar equipment dispatched from supplier to Copperbelt, Northwestern, Eastern, and Southern Provinces, positioning Q1 installations; installation commenced at 8 model sites (to be completed in Q1 2026), establishing field implementation readiness; technical assessments completed at 37 Lusaka and Central Province facilities to refine site-specific designs and reduce implementation risk. ZAMMSA warehouse solarization (3 warehouses): Kick-off held; detailed design completed; contractor placed purchase orders for major components for the turnover-key solution, advancing delivery readiness for resilient warehouse operations.	Purchase Orders for Output 1 Q3: PO_10447897 to ASACO

² Ensure Consistency with ProDoc and AWP indicators

Expected output	Project Output Indicator	Accomplishment for the Reporting Period		Links to Evidence
		Quarter Target	Quarter Result	
		strengthen continuity of warehouse operations. Connectivity: Sign LOA with SZI; procure Starlink kits + subscriptions; procure installation services to enable activation and commissioning. Capacity building: Deliver National ToT and train 20 Provincial ICT Officers to support implementation oversight and sustainability. Sustainability: Draft sustainability framework and initiate consultations to define O&M and handover arrangements.	Connectivity: LOA signed with SZI; 751 Starlink kits + subscriptions procured (including 250 kits donated to GRZ by SpaceX via Starlink), securing core connectivity inputs; installation procurement progressed through an RFQ (launched and closed) and was then transitioned to an EOI to broaden the pool of qualified vendors, with a follow-on RFQ planned in Q1—strengthening competition and value for money (limited competition in the initial RFQ). Subscriptions will be activated after installation. Capacity building: National ToT delivered; 20 Provincial ICT Officers trained; 6 project team members completed KGRTC online training (Solar Design/Installation/O&M), strengthening technical oversight and sustainability readiness. Sustainability: Framework development initiated; consultations scheduled.	
Output 2: Project management Support	n/a	Project team: Maintain operational readiness through staffing and operational support. Technical assessment &	Project team: Operational readiness strengthened through recruitment of a project driver, improving field mobility and supervision capacity. Technical assessment & baseline: Digital	

Expected output	Project Output Indicator	Accomplishment for the Reporting Period		Links to Evidence
		Quarter Target	Quarter Result	
		baseline: Conduct baseline/technical assessments in Lusaka to inform tailored interventions; deploy and operationalize a digital baseline tool; collect and validate baseline data (including for 8 model sites). M&E / quality assurance: Monitor implementation at 8 model sites; establish quality assurance processes and corrective action tracking. Governance & stakeholder engagement: Strengthen coordination with MOH GF PCU, MoEng, REA, SZI and provincial structures; secure leadership buy-in and align delivery with national priorities. ProDoc: ProDoc drafted and submitted for UNDP internal review/clearance, to formalize the results	baseline tool deployed and reviewed; technical assessments completed at 37 Lusaka and Central province facilities; baseline data collected for 8 model sites through joint site visits, strengthening evidence-based planning and reducing delivery and rework risk. M&E / quality assurance: Monitoring initiated at 8 model sites; snag list established with contractor to track and close quality issues and corrective actions. Governance & stakeholder engagement: Coordination sustained with MOH GF PCU, MoEng, REA, SZI and Provincial ICT Officers; ICT Community of Practice established; engagement initiated with the Presidential Delivery Unit; facilities-in-charge engaged and co-design workshop conducted—supporting alignment, ownership and implementation coordination. ProDoc: ProDoc drafted and under UNDP internal review/clearance, progressing formalization of the project design and performance monitoring framework.	

Expected output	Project Output Indicator	Accomplishment for the Reporting Period		Links to Evidence
		Quarter Target	Quarter Result	
		framework, governance and implementation arrangements. Communications & visibility: Finalize and implement integrated communications and community engagement actions; deliver visibility materials and outreach for key milestones. SES compliance: Finalize ESMP; induct contractors in SES/GRM prior to works; deploy GRM information at implementation sites.	Communications & visibility: Integrated Communications and Community Engagement Plan finalized and implemented; project website launched; IEC materials produced (pop-ups, banners); multi-channel campaigns delivered (LOA signing, End-User Validation Workshop, National ToT); procurement notices published online and in print media. SES compliance: ESMP finalized; SES induction completed for both awarded contractors and their sub-contractors prior to works; GRM posters deployed (TBC sites). Completed ESIA for Kabwe ZAMMSA Warehouse new site in advance of potential new scope.	

Status of Activities³

		Physical Performance		Financial Performance (Cumulative)			
Expected output	Activity Indicator	Quarter Target	Accomplishment for the Quarter ⁴	Planned Budget	Donor Code	Expenditure ⁵	Delivery Rate ⁶
Overall Project Delivery – Output 1 & 2 Including GMS				8,902,667.50	012772	6,978,685.10	78%

³ Ensure Consistency with AWP

⁴ Use traffic light to indicate progress vis-à-vis annual output targets in AWP: Green (Completed), Yellow (Ongoing), Red (Delayed/Not started). Data provided can be qualitative or quantitative based on the nature of the output indicator

⁵ Expense + commitment + advances (excluding 7% GMS)

⁶ (cumulative expenditure/planned budget) * 100

Expected output	Activity Indicator	Physical Performance		Financial Performance (Cumulative)			
		Quarter Target	Accomplishment for the Quarter ⁴	Planned Budget	Donor Code	Expenditure ⁵	Delivery Rate ⁶
Output 1: Installation of Solar PV Systems in 400 Health Facilities	Number of health facilities equipped with operational solar PV systems	Installation delivery: Complete installation at 8 model sites. Solar equipment logistics: Dispatch solar equipment for all provinces to enable nationwide rollout readiness. ZAMMSA warehouses (3): Detailed design completed; procurement initiated for turnkey solution. Connectivity: LOA signed; Starlink kits + subscriptions procured; installation services procured to enable activation. Capacity building: National ToT delivered; 20 trainees. Sustainability: Framework drafted; consultations initiated.	No sites operational in Q4 Installation works commenced at 8 model sites (ongoing into Q1 2026). Solar equipment logistics: Solar equipment dispatched from supplier to 4 provinces (Copperbelt, Northwestern, Eastern, Southern). ZAMMSA warehouses (3): Detailed design completed; contractor placed purchase orders for major components for turnkey solution. Connectivity: LOA signed with SZI; 751 Starlink kits + subscriptions procured (incl. 250 donated kits to GRZ by SpaceX via Starlink); subscriptions pending activation post-installation. Installation procurement advanced through an RFQ (launched and closed) and transitioned to an EOI to broaden the qualified vendor pool; follow-on RFQ planned in Q1 2026 (limited competition in the initial RFQ).	6,905,000.00	012772	5,892,939.49	85%

Expected output	Activity Indicator	Physical Performance		Financial Performance (Cumulative)			
		Quarter Target	Accomplishment for the Quarter ⁴	Planned Budget	Donor Code	Expenditure ⁵	Delivery Rate ⁶
			Capacity building: National ToT completed; 20 Provincial ICT Officers trained; 6 team members completed KGRTC online training. Sustainability: Framework development initiated; consultations scheduled.				
Output 2: Project management Support	n/a	Staffing: Maintain operational readiness through staffing and operational support. Technical assessment & baseline: Deploy digital baseline tool; complete Lusaka baseline/technical assessments and validate datasets to inform intervention planning; collect baseline data for 8 model sites during joint visits. M&E / quality assurance: Conduct monitoring at 8 model sites; establish snagging and corrective action tracking mechanism. Governance & stakeholder engagement: Maintain	Staffing: Project team operational (CTA, IES, NES, Admin) and driver recruited. Technical assessment & baseline: Digital baseline tool deployed/reviewed; technical assessments completed at 20 Lusaka facilities; baseline data collected for 8 model sites during joint visits. M&E / quality assurance: Monitoring initiated at 8 model sites; snag list established and used to track corrective actions. Governance & stakeholder engagement: Coordination sustained with MOH GF PCU/MoEng/REA/SZI/provinces;	1,415,250.00	012772	984,666.51	70%

Expected output	Activity Indicator	Physical Performance		Financial Performance (Cumulative)			
		Quarter Target	Accomplishment for the Quarter ⁴	Planned Budget	Donor Code	Expenditure ⁵	Delivery Rate ⁶
		regular coordination with MOH GF PCU, MoEng, REA, SZI, provincial ICT officers and facilities-in-charge; strengthen leadership buy-in and alignment with national priorities. ProDoc: Draft ProDoc submitted for UNDP internal review/clearance. Communications & visibility: Implement integrated communications plan and key visibility actions; publish procurement notices and milestone communications. SES compliance: Finalize ESMP; complete SES induction prior to works; deploy GRM information at implementation sites.	ICT Community of Practice established; PDU engagement initiated; facility engagement and co-design workshop conducted. ProDoc: Draft ProDoc prepared and under UNDP internal review/clearance. Communications & visibility: Communications plan implemented (website launched; IEC produced; campaigns delivered; procurement notices published). SES compliance: ESMP finalized; SES induction completed prior to works; GRM posters deployed (TBC sites).				

C. Key Challenges and Next Steps

Explain why activity indicator targets were not met and plans to catch-up in the next quarter

Key Challenges

- **Turnkey solar contractor performance constraints for 423 health facilities affected planned delivery.** The contractor did not meet Q4 milestones for shipment, mobilization and installations. To protect delivery integrity, implementation focus was **re-prioritized to the 8 model sites** as the initial deployment package; however, timelines were still not met.

- **Supply chain and customs clearance delays, including an expedited shipment.** One shipment lot experienced **extended customs clearance delays** that were not adequately explained and were likely linked to documentation/clearance readiness on the contractor side. This delayed availability of equipment required for field works and contributed to slippage.
- **Weaknesses in contractor project management and mobilization.** Delays were observed in deployment to Zambia, engagement and onboarding of subcontractors, and responsiveness to implementation planning requirements. These issues reduced execution capacity during the quarter.
- **Workmanship and installation quality issues at model sites necessitated strengthened quality assurance.** Joint monitoring identified installation issues requiring correction, including: PV panels installed on the wrong roof plane and/or overhanging; equipment cabinets installed in non-designated rooms; insufficient materials made available for wiring/electrification; and inconsistent/non-standard cable colour application within the same installation. A **snag list** was established to track corrective actions.
- **Outstanding scope gaps for facility wiring/electrification require formal change management.** Early site works and assessments highlighted gaps between assumptions and on-site electrical conditions, including requirements for internal wiring/electrification beyond the originally supplied materials. A **change management process** is being developed to address scope gaps in a controlled, compliant manner.
- **Baseline data quality constraints for planning (GPS points).** Of 95 facilities with missing/incorrect GPS points, **75 were corrected with MOH**; remaining gaps still present logistical planning challenges for assessment and rollout sequencing.
- **Differentiated performance across work packages requires careful sequencing.** While the **ZAMMSA warehouses solarization package** progressed as planned (design completed and procurement advanced through purchase orders), the **423 health facility solarization package** experienced significant execution delays, requiring re-planning and additional oversight.

The following key activities are scheduled for the upcoming quarter:

Solar PV — 423 Health Facilities

- Commission the **8 model sites** and close snags with QA sign-off.
- Agree a **revised implementation schedule** (shipment—clearance—mobilization—installation—commissioning) and strengthen subcontracting controls and site supervision.
- Finalize **change management** to address wiring/electrification scope gaps and proceed with prioritized installations, aligned to site readiness.

Solar PV — ZAMMSA Warehouses (3)

- Progress delivery against issued purchase orders and commence installations.
- Conduct QA and commissioning, and coordinate site readiness and handover/acceptance with ZAMMSA.

Connectivity — Starlink

- Complete **EOI** to broaden vendor pool and issue a follow-on **RFQ** for installation services.
- Install and **activate at least 200 links**, aligned to site readiness and commissioning.
- Implement asset traceability (labelling, registration, chain-of-custody) with government counterparts.

Smart Health Facilities — IoT Pilot (8 model sites)

- Procure remaining IoT equipment and complete installation/configuration at the **8 model sites**.
- Validate dashboards/alerts and agree minimum pilot reporting outputs and operational roles.

Capacity Building (target: 1,000 trainees)

- Cascade training to **facility staff, electricians, and biomedical staff**, covering O&M, troubleshooting, safety, and basic reporting for solar/connectivity/IoT.

Sustainability

- Finalize the Sustainability Framework and translate into practical O&M arrangements (roles, reporting, spares, escalation, handover packages).

Communications & Visibility

- Deliver a **government-led launch event** for the 8 model sites and continue milestone communications under the project plan.

Governance & Planning

- Complete the **ProDoc** (internal clearance) and convene the **Project Board** to endorse.
- Hold a **virtual project kick-off** with all Provincial Health Directors and complete final site validation.

D. RISK LOG UPDATE⁷

Assess identified risks and record new risks that may affect project implementation.
Include risks identified in the Project’s Social and Environmental Screening, Programme Visits, audit/spotcheck findings, if any.

Risk Category	Risk Description	Risk Validity	Risk Level	Risk Owner	Risk Status	Risk Mitigation Measure	Risk Treatment Owner	Status of Risk Treatment	Links to Evidence
Standard 7: Labour and Working Conditions	Generation of electronic waste (“e-waste”) thus solar panels and/or batteries at the end of their useful lives.	01/04/2025 – 31/12/2028	Moderate	Chief Technical Advisor, Ranya Sherif	Monitoring	Develop and implement a Targeted Waste Management Plans to manage E-waste	Solar for Health Project Team	Mitigation plan in development	Concept Note - Toward a Circular Solar Health System: Scoping for Safe End-of-Life (EoL) & e-Waste Management in Zambia
Standard 8: Pollution Prevention and Resource Efficiency	Installation of the solar systems	01/04/2025 – 31/12/2028	Moderate	Chief Technical Advisor, Ranya Sherif	Monitoring	The project will hire certified solar installers with trained personal OSH (with Valid Workers Compensation Certificate).	Contract Manager, ITM Green Energy Team, Peter Lusi	Mitigation plan in place	Peak HSSE Plan – v2

⁷ Ensure consistency with Risk Log in ProDoc and Quantum

Risk Category	Risk Description	Risk Validity	Risk Level	Risk Owner	Risk Status	Risk Mitigation Measure	Risk Treatment Owner	Status of Risk Treatment	Links to Evidence
						The contractor will provide Personal Protective equipment (PPE)			
Standard 2: Climate Change and Disaster Risks	Damages to installed solar system (Open air structures)	01/04/2025 – 31/12/2028	Low	Chief Technical Advisor, Ranya Sherif	Monitoring	The solar systems are designed to meet national and international codes and standards including electrical and structural safety considerations as well as equipped with anti-theft mechanisms to protect from tampering. Flood risk analysis conducted for all sites.	Contract Manager, ITM Green Energy Team, Peter Lusi	Mitigation plan in place	Design pack

Risk Category	Risk Description	Risk Validity	Risk Level	Risk Owner	Risk Status	Risk Mitigation Measure	Risk Treatment Owner	Status of Risk Treatment	Links to Evidence
Standard 3 Community Health, Safety & Security); Standard 8 (Pollution Prevention & Resource Efficiency)	Installing PV on asbestos-containing roofing (ACM) may disturb fibers, exposing workers/patients/communities.	Q3 2025; ongoing into Q4	High	CTA – Solar for Health	Active	No PV on ACM; redesign to iron-sheet or ground-mount.	Contract Manager (ITM); Contractor; MOH	Mitigation in place; risk treatment plan finalized and communicated to the contractor; compliance monitoring underway	ITM/Peak Meeting Notes
Coordination / Site Allocation	Incomplete cross-partner mapping of active projects and site allocations has resulted in 46 confirmed overlaps with other implementers; additional duplications continue to surface as new partner lists emerge.	Q3 2025 (ongoing into Q4)	High (Med likelihood / High impact)	Chief Technical Advisor, Ranya Sherif	Active	Establish a centralized, GRZ-hosted digital registry for partner mapping & asset inventory. MOH to enforce pre-mobilization cross-checks against the registry.	MOH Infra-structure Unit (lead) with UNDP support (tooling, coord.)	In progress: MOH convened validation; registry design/initiation underway; partner list reconciliation ongoing.	20240826 - TWG Terms of Reference-26.08.2024.docx
New: Standard 3 Community Health, Safety & Security); Standard 8 (Pollution	Lithium batteries increase the risk of fire in the health facilities	Q1 – post-installation	Moderate	CTA – Solar for Health Chief Technical Advisor, Ranya Sherif	Active	Equipment quality standards, wiring by qualified personnel, install smoke detector and	Contract Manager (ITM); Contractor; MOH	SOP drafted, smoke detectors and fire extinguishers procured	SOP - Response to Smoke or Fire in Solar - Battery Technical Room.docx

Risk Category	Risk Description	Risk Validity	Risk Level	Risk Owner	Risk Status	Risk Mitigation Measure	Risk Treatment Owner	Status of Risk Treatment	Links to Evidence
Prevention & Resource Efficiency)						fire extinguisher for each technical room			

1.

Emerging SES risks, issues of concern (All Projects)

(List new risks identified in the period under review- Emerging risk to be added to the register in quantum/Quantum +)

Refer to updated risk register for new risk and mitigation related to fire and life safety.

2.

Status of complaints/grievances/Feedback

(List grievances, and current status, issues of concern, feedback received from stakeholders)

No complaints received in the reporting period.

Grievance/Feedback Register

No.	Description of Grievance/Feedback	Date Received	Reported By	Action Taken	Comments

3. Stakeholder Engagement

Dates of Engagement	Who was engaged	Issues discussed	Main Outcomes
03/04/2025	S4H Project Launch (Ministry of Energy, Ministry of Health, Media and other Public and Private Stakeholders)	Launch and presentation of the S4H Project	Project formally launched and presented to key stakeholders
01/04/2025	UNICEF/MOH Monthly Coordination meeting for the HFSE project (Jordan, Zacharia)	Presentation of the S4H project and ambition to connect all systems via a third-party digital platform	S4H project presented with an ambition to connect all systems via a third-party digital platform
04/07/2025	Project Steering Committee (MOE, MOH, MLGRD, REA, ZEMA; UNDP, ILO, UNICEF)	Project scope and progress update; coordination arrangements	Need for stronger GRZ representation in coordination meetings noted and endorsed

Dates of Engagement	Who was engaged	Issues discussed	Main Outcomes
13/08/2025	UNDP & Smart Zambia Institute (SZI)	Drafting initial budget for health-facility internet connectivity; roles, timeline, logistics/technical risks	Initial budget drafted and submitted to SZI for review; pending endorsement and LOA signing
19/08/2025	ZAMMSA Warehouse Site Visit (Lusaka) – ZAMMSA/MOH/UNDP	On-site review of warehouse solarization scope, metering and logistics	Site conditions validated; actions logged for design finalization
20/08/2025 - Recurring ~bi-weekly	UNDP / MOH – Global Fund PCU (bi-weekly)	Implementation challenges; align priorities for next quarter; monitoring approach	Agreed implementation priorities; bottlenecks addressed; strengthened coordination and activity tracking
29/08/2025	SpaceX/UNDP Partnership Dialogue (Starlink)	Exploration of connectivity partnership for health facilities	Follow-up actions captured with UNDP and SpaceX focal points
03/09/2025	Lusaka Provincial Health Office & District Health Directors	District/provincial project kick-off; scope, schedule, data needs	Shared data-collection template; received facility-in-charge contacts; one site swapped based on DHD feedback (already solarized)
03/09/2025 - 31/12/2025	Facilities-in-Charge (8 model sites and 31 sites assessed in Lusaka and Central Province)	Site introductions; energy needs, responsibilities; data template walk-through; verification of facility list; briefing on Governance Redress Mechanism and handover of GRM poster	Contacts confirmed; determination of solar panel mounting and technical cabinet location, floor plan development
03/09/2025	External Engagement planning (MOH Directorate of Health Promotion; MoE Senior PR Officer)	Communications and external engagement approach for S4H	Comms focal points confirmed; outline of joint messaging and upcoming touchpoints agreed
05/09/2025	Ministry of Energy (Technical Services) – Introductory meeting	Standards, commissioning checklist, load profiles; early utility engagement	Focal points designated; MoE to share latest standards and templates
09/09/2025	Ministry of Local Government & Rural Development (MLGRD)	Briefing on S4H rollout; coordination with CDF & district structures	Next steps defined for district coordination and information flow
25/09/2025	A2EI – Prospect open-source platform (coordination meeting)	Potential integration for monitoring & planning; info-session concept	Agreed to arrange GRZ info-session; data-sharing needs outlined
Recurring: 05/03–31/12/2025 (Wednesdays)	Weekly progress meeting – UNDP/ITM Green Energy	System architecture, digital platform integration, procurement & delivery sequencing	Dependencies mapped; interfaces clarified; actions captured each week
Recurring: 13/08–31/012/ (Wednesdays)	Weekly progress meeting – UNDP/Peak (Contractor for 423 Health Facilities)	Contractor mobilization, design reviews, schedule, risk log	Weekly tracker established; design queries resolved; next 2-week look-ahead agreed

Dates of Engagement	Who was engaged	Issues discussed	Main Outcomes
03/10/2025 - 31/12/2025 (Wednesdays) Recurring	ASACO/Lunai (ZAMMSA Warehouses Solarization) – Kick-off with UNDP, ZAMMSA, MOH, MoE	Kick-off: scope, roles, timeline, coordination mechanisms	Design reviews, procurement, site logistics, HSE, commissioning planning
05/10/2025	Rural Electrification Authority (CEO, Director Engineering Services, Manager Off-Grid (A))	Alignment with REA off-grid strategy; roles and data-sharing; coordination at district level	Agreed focal points and information- sharing; coordination mechanism for rural sites confirmed
06/10/2025	A2EI Prospect Info-Session (Virtual) – GRZ technical colleagues; Co-hosted by UNDP Zambia & A2EI	Prospect platform overview; integration pathways with S4H (solar monitoring, IoT/digital twins), data flows & governance, and GRZ onboarding steps.	Session scheduled; objective is to gather technical inputs and assess integration pathways (monitoring, IoT, digital twins)
06/10/2025	Ministry of Housing, Infrastructure and Urban Development	Alignment with GRZ Standards	Open lines of communication for technical quality assurance and joint monitoring through the TWG
09/10/2025	External Partners – SHS External Engagement Meeting	Project updates and feedback	Strengthened partner alignment on SHS strategy
10/10/2025	UNDP, MOH – Technical Session 2	Modular solar solutions	Shared systemic model for scaling SHS
19/11/2025	ZESCO	Net Metering at ZAMMSA Warehouses and grid-connected HFs	Initiated planning for net metering at ZAMMSA warehouses
22/10/2025	UNDP, MOH – eVin Discussion	Integration with health systems	Clarified roles and data flow for eVIN
07/11/2025	Asaco – SES Induction	Social & Environmental Standards	Orientation on SES compliance and PSHEA policies
20/11/2025	MOH & Smart Zambia Institute (SZI) — Zambia Smart Health Facilities Workshop (ZMB_GF_SHF); End-user consultation	IoT sensor packages, digital monitoring systems	Validated design requirements, use-cases and prioritized sensor requirements
01/12 – 05/12/2026	ICT & Digital Health Training/Workshop (MOH, SZI sub- national focal points)	Connectivity, data, platform onboarding	Trained 20 provincial ICT and MOH ICT officers on Starlink and Digital Health topics. Established cohort for national ICT Community of Practice
16/12/2025	Engagement with Presidential Delivery Unit	Smart Health Systems Initiative: solar installations, internet connectivity, IoT monitoring, alignment with SmartCare Pro & eLMIS, sustainability via CDF	Agreed on collaboration, local ownership, youth involvement, and integration with national systems
18/12/2025	Global Fund Country Coordination Mechanism	Briefed on project progress and vision for future interventions	Shared understanding of objectives, progress and next steps
Planned Q1 – 2026	MOH Infrastructure Sub-Committee	Project progress/technical matters	

Dates of Engagement	Who was engaged	Issues discussed	Main Outcomes
Planned Q1 – 2026	MOH Solarization of Health Facilities TWG	Technical review, standards, and coordination	Final endorsement of site list, guidance on commissioning procedures.
Planned Q1 – 2026	Country-wide Provincial & District-level Kick-Off (Virtual)	Roll-out briefings, roles, data processes	
Planned Q1 – 2026	Project Steering Committee	Governance, progress, risks, decisions	

4. Communications and Visibility

Description of all communication and visibility activities & budget	Link
Launch of the Solar for Health Project	https://x.com/undpzambia/status/1907817053534273870?s=46JSDGET (1) - OneDrive
Smart Health Facilities Awareness initiative- Television Interview	 SMART Health Systems ZNBC Script:
Smart Health Facilities Awareness initiative- Online Article	Smart Health Facilities: A Turning Point for Zambia’s Healthcare United Nations Development Programme
Project Communications Folder – Draft Implementation plan, IEC materials – banners, pop-ups, posters , stationery, wearable visibility	05 - Communications
Project Website	https://www.undp.org/zambia/projects/smart-health-systems
SZI-UNDP LOA Signing Ceremony - Social Media - X	https://x.com/UNDPZambia/status/1984273349351194973
SZI-UNDP LOA Signing Ceremony - Social Media - Facebook	https://www.facebook.com/UNDPZambia/posts/pfbid02uDhhedsBuni2mhxMYEULuioPuUyfG6oq88sjM9jnRgrrVuXATW3N6b5RFi13XX4PI
SZI-UNDP LOA Signing Ceremony - Social Media - LinkedIn	https://www.linkedin.com/posts/undp-zambia_historic-milestone-for-digital-healthcare-activity-7390041294900752384-Mcrb
SZI-UNDP LOA Signing Ceremony - Print Media	Media Coverage
Smart Health Facilities End-User Validation Workshop - Social Media - X	https://x.com/undpzambia/status/1992945031796367369
Smart Health Facilities End-User Validation Workshop - Social Media - Facebook	https://www.facebook.com/share/p/17Q7AVBQST/
Smart Health Facilities End-User Validation Workshop - Social Media - LinkedIn	https://www.linkedin.com/posts/undp-zambia_Building-smarter-more-activity-7398711221975318529-EpeJ/
National TOT Workshop - Health Facility Connectivity - Social Media - X	https://x.com/UNDPZambia/status/1995819495688909041

National TOT Workshop - Health Facility Connectivity - Social Media - Facebook	https://www.facebook.com/UNDPZambia/posts/pfbid02kY4nXPGqQW2Xj8TN7VfF2uajQK1fga39jdiKFUSsa39DgkKrBm8YgqtkP8XtSiwkl
National TOT Workshop - Health Facility Connectivity - Social Media - LinkedIn	https://www.linkedin.com/posts/undp-zambia_reliable-connectivity-means-fewer-stock-outs-activity-7401589254369349632-h97g
National TOT Workshop - Health Facility Connectivity - Social Media - X	https://x.com/ahunnaeziakonwa/status/2000960549165711827?s=48
National TOT Workshop - Health Facility Connectivity - Print Media	WhatsApp Image 2025-12-16 at 15.09.01.jpeg
National TOT Workshop - Health Facility Connectivity - UNDP Website	https://www.undp.org/zambia/press-releases/zambia-takes-major-step-toward-connected-healthcare-national-tot-workshop
National TOT Workshop - Health Facility Connectivity - UNDP Website	https://www.undp.org/zambia/blog/connecting-care
ZANIS Interview - UNDP’s Work with the Ministry of Health	Media Coverage
Presidential Delivery Unit - Social Media - LinkedIn	https://www.linkedin.com/posts/pdu-zambia_yesterday-we-held-a-meeting-with-a-delegation-activity-7406992915647967232-o9FA
Procurement Notice - Starlink Installation - Website	https://procurement-notices.undp.org/view_negotiation.cfm?nego_id=41162
Procurement Notice - Starlink Installation - Print Media	Daily Mail, December 6, 2025 - Page 11

E. Monitoring & Evaluation

Description of all M&E activities conducted and budget	Link
Weekly coordination meetings with contractors (Peak/Asaco) — action points tracked	Contract Manager (ITM) Meeting Notes
Design reviews and updates — recorded comments	Contract Manager (ITM) Feedback to Vendors
Baseline site assessments — ground-truthing and validating assumptions (facility info, loads, roof type, GPS/photos)	01 - Site Assessments
Online Site Assessment Form (Survey123) — developed & deployed	Power Supply & Connectivity:
Connectivity M&E framework — draft prepared	03 - SZI LOA Documents
SZI micro-assessment — completed for LOA	DIM SRF SZI SPOT CHECK.docx.pdf

Description of all M&E activities conducted and budget	Link
Partner site-list check — 46 overlaps identified & flagged to MOH Infrastructure Unit	Appendix I - Site Coordinates FINAL v2 2025.10.14.xlsx
A2EI “Prospect” energy-monitoring tool exploration - Q4 info-session planned	Meeting Follow-up Email
Weekly coordination with Smart Zambia Institute – action points tracked	01 - Project Implementation Meetings
Monitoring Installation at 8 Model Sites	Monitoring

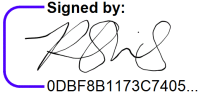
Lessons Learned SES * (All Projects)

(Examples that highlight either successes or failures in implementing SES; lessons learnt to improve SES implementation).

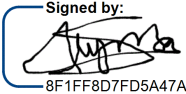
#	Type	Date Identified	Successes	Shortcomings	Recommended Solutions	Submitted, updated by
	Project Management/Project Results/Human Factor/Other		<i>Describe what has worked well. What factors supported this success?</i>	<i>Describe the challenges or areas for improvement and what was unanticipated</i>	<i>How were challenges overcome and how should things have been done differently/better?</i>	
Q3-1	Project Management	Aug-25	Close coordination with MOH and transparent communication across partners enabled rapid reconciliation of site lists; country-level technical capacity helped validate changes promptly.	Multiple revisions of the 423-site list due to overlaps with other partners (46 sites) created rework and scheduling pressure.	Activate the TWG as the routine forum for partner alignment; implement a GRZ-hosted facility inventory & partner-mapping tool; require pre-mobilization cross-checks and simple change-control.	CTA – Solar for Health
Q3-2	Project Results	Aug-25	Timely technical engagement with MOH and advice from Ministry of Energy supported a clear, standards-based position;	Disagreement with vendor on electrical cable sizing to meet safety and	Strengthen technical evaluation criteria (AC design scrutiny) in procurement; document compliance references to Zambian standards; use joint design reviews to close gaps early.	CTA – Solar for Health

#	Type	Date Identified	Successes	Shortcomings	Recommended Solutions	Submitted, updated by
			collaborative discussions with vendor maintained constructive relationships.	performance standards delayed approvals.	This approach was already applied for the recent procurement of solar for ZAMMSA sites.	
Q3-3	Project Management	Aug-25	Regular weekly meetings and email follow-ups provided visibility and a common tracker for actions; rapid escalation pathways were agreed.	Vendor delays in onboarding a local service provider and in shipping affected early mobilization.	Require local service provider attendance at site visits during bidding and presence from Day 1; include mobilization milestones and progress evidence in the contract; continue weekly coordination with clear action owners.	CTA – Solar for Health
Q3-4	Human Factor / Other	Aug-25	Rapid deployment of site assessments after team onboarding; ground-truthing with facilities improved accuracy; teamwork with MOH facilitated access and verification.	Initial assumptions and data gaps required on-site validation to refine designs and schedules.	Include site assessment and custom design requirements in the contract; sequence assessments to de-risk assumptions before final design; maintain concise checklists and photo/GPS evidence.	CTA – Solar for Health
Q4-1	Project Management	Dec-25	Co-delivery with MOH counterparts increased credibility and ownership, and the TOT framing clarified participants' role in cascading training.	Cascade readiness needed more structure— participants lacked standardized lesson plans/tools and an ongoing forum to sustain quality and troubleshoot.	Launch a monthly virtual CoP for continuous support, peer learning, and tracking cascade delivery. Develop Moodle e-learning to standardize core modules and enable consistent onboarding/refresher training nationwide.	CTA – Solar for Health

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Date: 13-Feb-2026

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Signature: 
Date: 15-Feb-2026

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Signature: 
Date: 16-Feb-2026