Annual Work Plan

B0382 - United Republic of Tanzania

Project: 01002632 **Report Date:** 7/1/2026

Project Title: The Global Basic Observing Network (GBON) is an international agreement that responds to the most essential data requirements of global weather and climat

Year: 2024

Output	Key Activities	Timeframe		Responsible Party	Planned Budget			
		Start	End		Fund	Donor	Budget Descr	Amount US$

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Project Title: The Global Basic Observing Network (GBON) is an international agreement that responds to the most essential data requirements of global weather and climat

01002632 The Global Basic Observing Network (GBON) is an international agreement that responds to the most essential data requirements of global weather and climate prediction models that are not met by satellite systems. Based on a global optimal design, GBON sets clear requirements to countries for collecting and internationally sharing surface-based observations of the most essential weather and climate variables i.e., atmospheric pressure, temperature, humidity, wind speed, precipitation, and snow depth. Tanzania's Investment Funding Request, through the Systematic Observations Financing Facility (SOFF), endeavours to bolster Tanzania's meteorological infrastructure to align with the GBON standards and advance weather forecasting capabilities.Spanning from July 2024 to December 2027, the project has a total budget of USD 13,926, 170, with USD 9,026,278 provided by the SOFF and an additional USD 4,899,892 contributed in-kind by the Tanzania Meteorological Authority (TMA).At its core, the project aims to establish nine new surface stations, upgrade 18 existing ones, and procure and install four Upper Air stations, with TMA funding one and SOFF covering the remaining three. Upgrades also encompass converting the existing Julius Nyerere International Airport station in Dar Es Salaam to meet GBON standards.Furthermore, the project encompasses comprehensive Operations and Maintenance for all 27 surface stations and 5 Upper Air stations, ensuring steady operations, data integrity, and swift response to downtimes. There is also a focus on ICT upgrades to facilitate reliable data exchange and storage, alongside efforts in capacity building and human resource development to enhance data exchange	Capacity development for technical staff	1/1/2024	12/31/2027		30000	WORLD METEOROLOGICAL ORGANIZATION	75700 - Training, Workshops and Confer	20,000.00
	Carry out Environmental Impact Assessment (EIA)	1/1/2024	12/31/2027		30000	WORLD METEOROLOGICAL ORGANIZATION	71300 - Local Consultants	35,000.00
	Conduct annual stakeholders' workshop, Continuous assessment of potential private sector collaboration.	1/1/2024	12/31/2027		30000	WORLD METEOROLOGICAL ORGANIZATION	75700 - Training, Workshops and Confer	5,000.00
					30000	MPTF-SOFF Trust Fund	75700 - Training, Workshops and Confer	15,000.00
	Construction of buildings for upper air stations (hydrogen generator, gas storage tank cabins)	1/1/2024	12/31/2027		30000	WORLD METEOROLOGICAL ORGANIZATION	73204 - Building	50,000.00
	Develop legal agreements and documentation for the timely procurement and clearance of observation infrastructure	1/1/2024	12/31/2027		30000	WORLD METEOROLOGICAL ORGANIZATION	71300 - Local Consultants	12,000.00
					30000	MPTF-SOFF Trust Fund	75700 - Training, Workshops and Confer	12,000.00
	Establish and implement standard operating practices for land-based stations, safety gear, and vehicles for field level maintenance	1/1/2024	12/31/2027		30000	WORLD METEOROLOGICAL ORGANIZATION	72210 - Machinery and Equipment	715,000.00

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efficiency across GBON stations.

Gender Awareness raising workshop for stakeholders	1/1/2024	12/31/2027		30000	WORLD METEOROLOGICAL ORGANIZATION	75700 - Training, Workshops and Confer	5,000.00
				30000	MPTF-SOFF Trust Fund	75700 - Training, Workshops and Confer	10,000.00
GMS (7%)	1/1/2024	12/31/2027		30000	WORLD METEOROLOGICAL ORGANIZATION	75100 - Facilities & Administration	137,994.00
Maintenance, calibration, and operationalization of surface observation stations conducted.	1/1/2024	12/31/2027		30000	WORLD METEOROLOGICAL ORGANIZATION	72210 - Machinery and Equipment	579,612.00
Maintence, Calibration, and Operationalization of Upper Air Observation Stations Conducted, (including Procurement of Ballons and Radio Sondes)	1/1/2024	12/31/2027		30000	WORLD METEOROLOGICAL ORGANIZATION	72210 - Machinery and Equipment	1,409,000.00
Participation in sub-regional GBON collaboration meetings + Sub-regional capacity building workshop on calibration and maintenance	1/1/2024	12/31/2027		30000	WORLD METEOROLOGICAL ORGANIZATION	71600 - Travel	10,000.00
				30000	MPTF-SOFF Trust Fund	75700 - Training, Workshops and Confer	22,774.00
Procurement and installation of data collection system, station monitoring system, backup system, security infrastructure. System	1/1/2024	12/31/2027		30000	WORLD METEOROLOGICAL ORGANIZATION	72410 - Information and Communications Technology (ICT) Equipment	930,000.00

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includes telecommunication connectivity, and WIS 2.0 alignment							
Procurement and installation of equipment for upgrading seven (7) land-based stations (Incl. Site survey for new locations, construction of guard houses for stations in new locations	1/1/2024	12/31/2027		30000	WORLD METEOROLOGICAL ORGANIZATION	72410 - Information and Communications Technology (ICT) Equipment	304,970.00
Procurement and installation of new nine (9) land-based stations	1/1/2024	12/31/2027		30000	WORLD METEOROLOGICAL ORGANIZATION	72410 - Information and Communications Technology (ICT) Equipment	768,000.00
				30000	MPTF-SOFF Trust Fund	72210 - Machinery and Equipment	416,161.00
Procurement and installation of three (3) new upper air stations (including spare parts, annual maintenance contract)	1/1/2024	12/31/2027		30000	WORLD METEOROLOGICAL ORGANIZATION	72800 - Information Technology Equipmt	500,000.00
Project Management Support (Travel, Meetings, Assessment Fees)	1/1/2024	12/31/2027		30000	WORLD METEOROLOGICAL ORGANIZATION	75100 - Facilities & Administration	151,731.00
				30000	MPTF-SOFF Trust Fund	75700 - Training, Workshops and Confer	35,133.00
Upgrading of upper Air Stations at Julius Nyerere International Airport -JNIA;	1/1/2024	12/31/2027		30000	MPTF-SOFF Trust Fund	72210 - Machinery and Equipment	512,456.00
				30000	WORLD METEOROLOGICAL	72800 - Information Technology Equipmt	320,000.00

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Project Title: The Global Basic Observing Network (GBON) is an international agreement that responds to the most essential data requirements of global weather and climat

						ORGANIZATIO N		
TOTAL								6,976,831.00

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GRAND TOTAL	6,976,831.00

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Project: 01002632 **Report Date:** 7/1/2026

Project Title: The Global Basic Observing Network (GBON) is an international agreement that responds to the most essential data requirements of global weather and climat

Year: 2025

Output	Key Activities	Timeframe		Responsible Party	Planned Budget			
		Start	End		Fund	Donor	Budget Descr	Amount US$

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01002632 The Global Basic Observing Network (GBON) is an international agreement that responds to the most essential data requirements of global weather and climate prediction models that are not met by satellite systems. Based on a global optimal design, GBON sets clear requirements to countries for collecting and internationally sharing surface-based observations of the most essential weather and climate variables i.e., atmospheric pressure, temperature, humidity, wind speed, precipitation, and snow depth. Tanzania's Investment Funding Request, through the Systematic Observations Financing Facility (SOFF), endeavours to bolster Tanzania's meteorological infrastructure to align with the GBON standards and advance weather forecasting capabilities.Spanning from July 2024 to December 2027, the project has a total budget of USD 13,926, 170, with USD 9,026,278 provided by the SOFF and an additional USD 4,899,892 contributed in-kind by the Tanzania Meteorological Authority (TMA).At its core, the project aims to establish nine new surface stations, upgrade 18 existing ones, and procure and install four Upper Air stations, with TMA funding one and SOFF covering the remaining three. Upgrades also encompass converting the existing Julius Nyerere International Airport station in Dar Es Salaam to meet GBON standards.Furthermore, the project encompasses comprehensive Operations and Maintenance for all 27 surface stations and 5 Upper Air stations, ensuring steady operations, data integrity, and swift response to downtimes. There is also a focus on ICT upgrades to facilitate reliable data exchange and storage, alongside efforts in capacity building and human resource development to enhance data exchange	Capacity development for technical staff	1/1/2024	12/31/2027		30000	WORLD METEOROLOGICAL ORGANIZATION	75700 - Training, Workshops and Confer	30,000.00
	Carry out site visits and technical inspection on construction activities	1/1/2024	12/31/2027		30000	MPTF-SOFF Trust Fund	71600 - Travel	20,000.00
	Conduct a gender-based awareness-raising workshop on the role and contribution of stakeholders to the GBON network	1/1/2024	12/31/2027		30000	MPTF-SOFF Trust Fund	75700 - Training, Workshops and Confer	10,000.00
	Conduct annual stakeholders' workshop, Continuous assessment of potential private sector collaboration.	1/1/2024	12/31/2027		30000	WORLD METEOROLOGICAL ORGANIZATION	75700 - Training, Workshops and Confer	5,000.00
	Construct security guard houses	1/1/2024	12/31/2027		30000	MPTF-SOFF Trust Fund	72200 - Equipment and Furniture	20,000.00
	Construction of buildings for upper air stations (hydrogen generator, gas storage tank cabins)	1/1/2024	12/31/2027		30000	WORLD METEOROLOGICAL ORGANIZATION	73204 - Building	50,000.00
					30000	MPTF-SOFF Trust Fund	75700 - Training, Workshops and Confer	150,000.00
	DPC	1/1/2024	12/31/2027		30000	MPTF-SOFF Trust Fund	71600 - Travel	5,000.00
	Establish platforms for sub-regional collaboration for countries implementing the SOFF project	1/1/2024	12/31/2027		30000	MPTF-SOFF Trust Fund	75700 - Training, Workshops and Confer	5,000.00
	Familiarization visit of TMA Management team to	1/1/2024	12/31/2027		30000	MPTF-SOFF Trust Fund	71600 - Travel	25,000.00

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efficiency across GBON stations.

Danish Meteorological Institute							
Gender Awareness raising workshop for stakeholders	1/1/2024	12/31/2027		30000	WORLD METEOROLOGICAL ORGANIZATION	75700 - Training, Workshops and Confer	5,000.00
Micro Assessment and Harmonized Approach to cash transfer (HACT) Audit, includes cost for audit, Spot check and Micro-assessment	1/1/2024	12/31/2027		30000	MPTF-SOFF Trust Fund	74100 - Professional Services	12,000.00
Monitoring, Evaluation, and Reporting of project activities	1/1/2024	12/31/2027		30000	MPTF-SOFF Trust Fund	71600 - Travel	20,000.00
mplement a Project Communication plan (before, during after the project implementation)	1/1/2024	12/31/2027		30000	MPTF-SOFF Trust Fund	72400 - Communic & Audio Visual Equip	30,000.00
Organize awareness raising workshop on the WMO Integrated Global Observing System (WIGOS) Programme and WIGOS Monitoring tools for data quality and availability for meteorological personnel from meteorological stations under the SOFF Project	1/1/2024	12/31/2027		30000	MPTF-SOFF Trust Fund	71600 - Travel	35,000.00
Organize PSC meetings	1/1/2024	12/31/2027		30000	MPTF-SOFF Trust Fund	75700 - Training, Workshops and Confer	16,374.00
Organize PTCC meetings	1/1/2024	12/31/2027		30000	MPTF-SOFF Trust Fund	75700 - Training, Workshops and Confer	20,000.00
Participate in sub- regional and regional	1/1/2024	12/31/2027		30000	MPTF-SOFF Trust Fund	71600 - Travel	15,000.00

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meetings/events						
Participation in sub-regional GBON collaboration meetings + Sub-regional capacity building workshop on calibration and maintenance	1/1/2024	12/31/2027		30000	WORLD METEOROLOGICAL ORGANIZATION	71600 - Travel	10,000.00
Preparation of project progress reports (Semi-annual and Annual)	1/1/2024	12/31/2027		30000	MPTF-SOFF Trust Fund	74100 - Professional Services	10,000.00
Prepare comprehensive Technical Specifications documents to be used for materials and related services for upgrading the upper air station at Julius Nyerere International Airport(JNIA) & Procure materials and related services & Install the upgraded upper	1/1/2024	12/31/2027		30000	MPTF-SOFF Trust Fund	72200 - Equipment and Furniture	320,000.00
Prepare comprehensive Technical Specifications documents to be used for procurement of equipment for upgrading of seven (7) Automatic Weather stations	1/1/2024	12/31/2027		30000	MPTF-SOFF Trust Fund	75700 - Training, Workshops and Confer	5,000.00
Prepare comprehensive Technical Specifications documents to be used for procurement of mobile calibration equipment	1/1/2024	12/31/2027		30000	MPTF-SOFF Trust Fund	75700 - Training, Workshops and Confer	5,000.00
Prepare comprehensive Technical Specifications documents to be used for	1/1/2024	12/31/2027		30000	MPTF-SOFF Trust Fund	75700 - Training, Workshops and Confer	3,000.00

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procurement of safety gears and working tools for land based stations'							
Prepare project documentation, including publications, lesson learned, and best practices on the implementation of the SOFF project for cross-learning	1/1/2024	12/31/2027		30000	MPTF-SOFF Trust Fund	74200 - Audio Visual&Print Prod Costs	25,000.00
Prepare training materials, user manual and SOPs for operating GBON Stations	1/1/2024	12/31/2027		30000	MPTF-SOFF Trust Fund	75700 - Training, Workshops and Confer	10,000.00
Procure equipment for upgrading 7 land-based stations & Procure materials for rehabilitation of meteorological enclosures & Install the equipment for upgrading land based stations	1/1/2024	12/31/2027		30000	MPTF-SOFF Trust Fund	72200 - Equipment and Furniture	304,970.00
Procure new 9 Automatic weather stations & Install new 9 Automatic Weather stations	1/1/2024	12/31/2027		30000	MPTF-SOFF Trust Fund	72200 - Equipment and Furniture	780,000.00
Procure safety Gear andworking tools for land based stations'	1/1/2024	12/31/2027		30000	MPTF-SOFF Trust Fund	72200 - Equipment and Furniture	50,000.00
Procure the data collection system, data storage and dissemination system & Procure back up system Solar /AWS server & install data collection system, data storage and dissemination system	1/1/2024	12/31/2027		30000	MPTF-SOFF Trust Fund	72200 - Equipment and Furniture	1,335,344.00
Procure three (3) new	1/1/2024	12/31/2027		30000	MPTF-SOFF	72200 - Equipment and Furniture	1,900,000.00

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upper air stations including spare parts and Annual maintenance contract & Install new upper air stations					Trust Fund		
Procurement and installation of equipment for upgrading seven (7) land-based stations (Incl. Site survey for new locations, construction of guard houses for stations in new locations	1/1/2024	12/31/2027		30000	MPTF-SOFF Trust Fund	72210 - Machinery and Equipment	300,000.00
Procurement and installation of three (3) new upper air stations (including spare parts, annual maintenance contract)	1/1/2024	12/31/2027		30000	WORLD METEOROLOGICAL ORGANIZATION	72800 - Information Technology Equipmt	126,500.00
				30000	MPTF-SOFF Trust Fund	72200 - Equipment and Furniture	2,000,000.00
Project Management Support (Travel, Meetings, Assessment Fees)	1/1/2024	12/31/2027		30000	MPTF-SOFF Trust Fund	75700 - Training, Workshops and Confer	150,000.00
Recruit site clerks to oversee construction sctivities at the three new upper air station sites	1/1/2024	12/31/2027		30000	MPTF-SOFF Trust Fund	71400 - Contractual Services - Individ	9,000.00
Site meetings	1/1/2024	12/31/2027		30000	MPTF-SOFF Trust Fund	71600 - Travel	10,000.00
Support Disbursement to TMA for EW4ALL	1/1/2025	12/31/2027		30000	WORLD METEOROLOGICAL ORGANIZATION	75700 - Training, Workshops and Confer	36,000.00
Train TMA engineers to assemble/integrate sensors from different	1/1/2024	12/31/2027		30000	MPTF-SOFF Trust Fund	75700 - Training, Workshops and Confer	30,000.00

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	manufacturers.							
	Train TMA observation Staff at upgraded stations on how to operate the installed infrastructure and transmit data in accordance with GBON requirements	1/1/2024	12/31/2027		30000	MPTF-SOFF Trust Fund	75700 - Training, Workshops and Confer	15,000.00
	Upgrading of upper Air Stations at Julius Nyerere International Airport -JNIA;	1/1/2024	12/31/2027		30000	MPTF-SOFF Trust Fund	72210 - Machinery and Equipment	320,000.00
TOTAL								8,228,188.00

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GRAND TOTAL	8,228,188.00

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	Conduct annual stakeholders' workshop, Continuous assessment of potential private sector collaboration.	1/1/2024	12/31/2027		30000	WORLD METEOROLOGICAL ORGANIZATION	75700 - Training, Workshops and Confer	5,000.00
	GMS (7%)	1/1/2024	12/31/2027		30000	WORLD METEOROLOGICAL ORGANIZATION	75100 - Facilities & Administration	137,994.00
	Maintenance, calibration, and operationalization of surface observation stations conducted.	1/1/2024	12/31/2027		30000	WORLD METEOROLOGICAL ORGANIZATION	72210 - Machinery and Equipment	1,449,470.00
	Participation in sub-regional GBON collaboration meetings + Sub-regional capacity building workshop on calibration and maintenance	1/1/2024	12/31/2027		30000	WORLD METEOROLOGICAL ORGANIZATION	71600 - Travel	10,000.00
	Procurement and installation of three (3) new upper air stations (including spare parts, annual maintenance contract)	1/1/2024	12/31/2027		30000	MPTF-SOFF Trust Fund	72200 - Equipment and Furniture	3,000,000.00
	Project Management Support (Travel, Meetings, Assessment Fees)	1/1/2024	12/31/2027		30000	WORLD METEOROLOGICAL ORGANIZATIO	75100 - Facilities & Administration	151,731.00

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efficiency across GBON stations.						N		
					30000	MPTF-SOFF Trust Fund	75700 - Training, Workshops and Confer	20,000.00
TOTAL								4,804,195.00
GRAND TOTAL								4,804,195.00