

Appendix 2 Example of Ideal Situation on Operation and maintenance (O&M)

District Ideal Situation O&M: *Boreholes fitted with Afridev Hand Pump are sustainably maintained by WPCs/VHWCs for safe drinking water in the district*

District Target on O&M: *Non-functionality of Borehole fitted with Afridev Hand Pump is reduced by better community-based O&M*

Period:

Tentative Elements of O&M Planning Framework	Outputs	Actors and their ideal status or roles					
		Mchinji District Coordination Team (DCT)	Extension Workers (EWs)	Area Mechanics (AMs)	Water Point Committee/ Village Health Water Committee	Community	NGO
Community-based O&M Practices (F1)	WPCs and users are responsible for repairing and keeping Water Points sanitary.	<i>* DCT is able to prepare a training plan and conducting of TOT (EWs) for tariff setting accounting and book-keeping, water point sanitation trouble shooting and Facility Management Plan(FMP)</i> ***** *****	<i>* EWs are able to prepare a training plan and conduct training of WPCs/VHWCs on topics mentioned in the column of DCT(see ✕ in the column of DCT)</i> ***** *****	<i>* AMs are able to diagnose and deal with troubles of Afridev Hand pump</i> ***** *****	<i>* WPCs/VHWCs set water tariff</i> ***** *****	<i>* Communities should be involved in Facility Management Plan</i> ***** *****	<i>* NGOs are able to provide resources and also perform the roles of DCT and EWs</i> ***** *****
Hand pump Spare Parts Supply Chain (F2)	Hand pump spare parts are available (e.g. price) and accessible (e.g. distance) to WPC/VHWC through a standardized system managed by government after phase out of NGO	<i>* DCT is able to Identify retail shops to stock spare parts</i> ***** *****	<i>* EWs Identify retail shops to stock spare parts</i> ***** *****	<i>*AMs identify spare parts required for repairs to WPCs</i> ***** *****	<i>* WPCs collect and manage the funds of the spare parts purchase</i> ***** *****	<i>* Communities raise funds to buy the spare parts</i> ***** *****	<i>* NGOs provide support in the supply chain system</i> ***** *****
Area Mechanic System (F3)	AMs are able to serve in timely manner in the repair of Afridev hand pump at a request of WPCs.	<i>* DCT is able to prepare a training plan of EWs</i> <i>* Supervise EWs on AMs training</i> ***** *****	<i>* EWs prepare a training plan and training of AMs</i> ***** *****	<i>* AMs are able to diagnose and deal with troubles of Afridev Hand pump</i> ***** *****	<i>* WPCs are able to enter into contract with AMs</i> ***** *****	<i>* Communities provide labor during B/H repairs</i> *****	<i>* NGOs provide support to DCT</i> *****

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Manuals and Guidelines on O&M (F4)	<i>Reviewed, harmonized user friendly manuals and guidelines are managed by DCT and stakeholders for O&M activity implementation.</i>	<i>*DCT is able to establish and use manual & guidelines management system</i> ***** *****	<i>* EWs are able to facilitate training on the use of community manuals</i> ***** *****	<i>*AMs are able to use the (distributed) manuals</i> ***** *****	<i>* WPCs are able to use the distributed manuals and guidelines</i> ***** *****	<i>* Communities are able to use the distributed manuals and guidelines</i> ***** *****	<i>* NGOs are able to promote use of the manuals and guidelines</i> ***** *****
M&E System of Water Supply Facilities at District Level (F5)	<i>A functional M&E system are developed, approved and adopted for the implementation.</i>	<i>* DCT is able to prepare M&E plan/ formulate M&E document on O&M</i> ***** *****	<i>* EWs are able to collect the data at village level</i> ***** *****	<i>* AMs report to EWs any activities done at village level</i> ***** *****	<i>* WPCs keep records of meetings, financial transactions, change and purchase of spare parts.</i> ***** *****	<i>* Communities conduct Interface meeting and feedback process</i> ***** *****	<i>* NGOs support all M&E activities planned by the DCT</i> ***** *****
Planning and Management of Operation and maintenance (O&M) at District Level (F6)	<i>District is able to formulate district plans that incorporates O&M issues based on community plans with technical support from RWDO.</i>	<i>*Mchinji District Coordination Team (DCT) is supported by RWDO on the formulation of the Plan</i> <i>*DCT is able to train EWs so that they facilitate formulation of community water and sanitation plans</i> ***** *****	<i>* EWs are able to facilitate formulation of community O&M plans using O&M planning guideline</i> ***** *****	***** *****	<i>*WPCs formulate O&M plans (FMP) and implement the plans</i> ***** *****	<i>* Community should be involved in formulation of O&M plans</i> ***** *****	<i>*NGOs are able to train EWs so that they facilitate formulation of community water and sanitation plans</i> ***** *****