

## TECHNICAL SPECIFICATIONS AND FINAL INSTALLATION OF RAM PUMP WATER SYSTEM

Project name: \_\_\_\_\_  
 Location: \_\_\_\_\_  
 Coordinates: \_\_\_\_\_ latitude  
 \_\_\_\_\_ longitude

Start date: \_\_\_\_\_  
 Finish date: \_\_\_\_\_

Project summary:

Description of construction process and participants:

Community population: \_\_\_\_\_  
 Number of beneficiaries: \_\_\_\_\_  
 Population estimate in 20 years: \_\_\_\_\_

### IMPOUNDING TANK

Location: \_\_\_\_\_ latitude  
 \_\_\_\_\_ longitude  
 Explanation of design: \_\_\_\_\_  
 Wall thickness: \_\_\_\_\_ meter  
 Water catchment depth: \_\_\_\_\_ inches

Drawdown test during the rainy season:

	Pump Flow Rate (LPM)	Dynamic Level (meters)	Date
1			
2			
3			

Drawdown test during the dry season:

	Pump Flow Rate (LPM)	Dynamic Level (meters)	Date
1			
2			
3			

### DIVERSION PIPELINE

Pipeline parameters: \_\_\_\_\_ material  
 \_\_\_\_\_ diameter  
 \_\_\_\_\_ schedule  
 \_\_\_\_\_ psi  
 \_\_\_\_\_ distance

### WATER CATCHMENT TANK

Description of construction materials: \_\_\_\_\_  
 Total storage volume: \_\_\_\_\_ m<sup>3</sup>

#### DIMENSIONS

Length: \_\_\_\_\_ meters  
 Width: \_\_\_\_\_ meters  
 Height: \_\_\_\_\_ meters  
 Wall thickness: \_\_\_\_\_

DRIVE PIPE

Pipeline parameters:	_____	material
	_____	diameter
	_____	schedule
	_____	psi
Pipeline parameters:	_____	distance
	_____	material
	_____	diameter
	_____	schedule
Pipeline parameters:	_____	psi
	_____	distance

RAM PUMP

Drive pipe inlet:	_____	inches
Flow into drive pipe inlet:	_____	gpm
Delivery outlet:	_____	inches
Flow out of delivery outlet:	_____	gpm
Water Pressure to Reservoir:	_____	psi
PVC sizing, pump to water storage tank:	_____	diameter
	_____	thickness
PVC length:	_____	psi
	_____	meters

WATER STORAGE TANK CYLINDRICAL

Description of construction materials: \_\_\_\_\_

Total storage volume: \_\_\_\_\_ m<sup>3</sup>

DIMENSIONS

Length:	_____	meters
Width:	_____	meters
Height	_____	meters
Wall thickness:	_____	inches
Float valve rating:	_____	bar
	_____	psi
Float valve elevation (from tank floor):	_____	meters

WATER STORAGE TANK DIMENSIONS

Length:	_____	centimeters
Width:	_____	centimeters
Reservoir inlet:	_____	inches
	_____	schedule
	_____	psi
Reservoir outlet:	_____	inches
	_____	schedule
	_____	psi
Reservoir cleanout:	_____	inch
	_____	schedule
	_____	psi
Reservoir overflow:	_____	inch
	_____	schedule
Access to top of reservoir:	_____	psi
	_____	(permanent ladder or moveable ladder)
Access into reservoir:	_____	(permanent ladder or moveable ladder)
	_____	

## WATER QUALITY TEST AND WATER TREATMENT SYSTEM

Was a water quality test completed before the construction of the system, which ones (physiochemical, bacteriological, others)?

\_\_\_\_\_

Description of results not within limits:

Methods to resolve contamination/treatment systems installed:

Description of system:

Where is the system treatment installed:


\_\_\_\_\_

Was a water quality test completed after the construction of the system, which ones (physiochemical, bacteriological, others)?

\_\_\_\_\_

## DISTRIBUTION NETWORK

Description:

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### WATER CONNECTIONS

Type of connections (house or tap stands):

Number of connections installed:

Water meters installed:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## ANNEXES

Budget

Community participant list

Community Map (including GPS map if available)

System plans/diagram (including pipeline diagram)

Water quality analysis results before and after system construction