

Malteser Hilfsdienst e. V., Malteser International, Erna-Schaeffler-Str. 2, 51103 Cologne, Germany

**Malteser International
Country Coordination Office
Plot No. 246, Block 3k 2nd Class Residential
Tongping (behind Indian Embassy)
Juba, South Sudan**

3 March 2023

RFQ_JUB_2023_0039_2nd round

For rehabilitation and extension of existing water systems in four primary schools in Juba County

- A. Annex 1: Specification of Bidding
- B. Annex 2: Bill of Quantities and attached to this RFQ
- C. Annex 3: Drawings attached to this RFQ

We look forward to receiving your quotations before the **submission deadline on 9 March 2023 at or before 12pm** via E-mail to: mb.procurement-juba@malteser-international.org.

Please write in the Subject line of your email with quotation:” **RFQ_JUB_2023_0039_2nd round for rehabilitation and extension of water systems**”

Thank you for your cooperation.

Sincerely,



Nermin Silajdzic

Country Logistics and Security Coordinator

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Executive Board: Karl Prinz zu Löwenstein, Dr. Elmar Pankau,
Douglas Graf Saurma-Jeltsch, Verena Hölken

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1. SPECIFICATION OF BIDDING

Related to our advertised RFQ_JUB_2023_0039_2nd round rehabilitation and extension of existing water systems in four primary schools in Juba County.

Under the following reference number: Donor project number: 1385-JUB

1. Description of the organization and its activities

Malteser International (MI) is the international humanitarian relief agency of the Sovereign Order of Malta. For over 60 years we provide relief and recovery for people during and following conflicts and disasters around the world. Christian values and humanitarian principles form the foundations of our work. In over 30 countries in Africa, the Americas, Asia and the Middle East, we support people in need – regardless of their religion, origin or political convictions.

Malteser International has been working in the geographic area of today's South Sudan since 1996. MI implements a multisectoral program including Food & Nutrition Security, Livelihoods, WASH, health and peaceful conflict resolution. This includes activities such as agricultural trainings, cash distributions, food for education and access to water, sanitation and hygiene. The program is aiming to increase its work with local partner organisations in order to optimise its sustainability. Furthermore, MI applies a participatory, gender sensitive and inclusive approach in its programming. As of today, MI maintains its country office in Juba while operating a program office in Wau and project offices in Ujuyuku and Yei.

Objective of RFQ: In accordance with the overall targets of above-mentioned operations, MI plans to order rehabilitation and extension of existing water systems in four primary schools in Juba County.

The technical specifications and conditions of the bidding process are described below in the RFQ and in the Annex 2: Bill of Quantity which are part of this RFQ.

Bidders are invited to present quotations complying with the requirements here below specified.

2. Quotation Presentation

3. The quotation shall be via E-mail to: mb.procurement-juba@malteser-international.org.

The deadline for the delivery of the quotations is: **9 March 2023 at or before 12pm**

- The quotation shall be written in English
- The quotation should be valid for **60 days after the deadline**
- The format BoQ can be used or a separate one depending on supplier's choice.

4. General conditions

- The quotation shall be typed or written and signed on each page by the legal representative of the supplier,
- The winning supplier might be requested to provide catalogues, pictures, technical descriptions and/or samples of items at the order stage when required,
- The prices of the quotation will be expressed in United States Dollars. The prices must be on unit price basis as well as by totals,
- The prices will be considered fixed. No additional change of whatsoever nature and type will be accepted by Malteser International,
- Malteser International reserves the right to accept or reject all quotations depending on prevailing condition at the time.

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5. Validity of quotations

Each company is bound to the quotation submitted for a period of 60 days from the deadline for submission of quotations.

6. Site inspection

Before submitting the quotation, the bidders are invited to complete a visit to the project sites to familiarize itself with the condition of the site.

Samuel Okenyi will provide support for visits to the project sites. Failure to visit the site shall be deemed a bidder's risk and shall not be accepted by MI, at any time, as a reason for failure to meet the requirements of the Contract Agreement. In submitting a quotation, it is assumed that the bidder has visited sites.

7. Language of quotation

All quotations, official correspondence between companies and MI, as well as all documents associated with the quotation request will be in English.

8. Submission of quotation

8.1. Each quotation shall be submitted via E-mail to: mb.procurement-juba@malteser-international.org on 9 March 2023, at or before 12pm.

9. Content of quotation

All submitted quotations must conform to the requirements mentioned in the RFQ. Furthermore, they must include the following documents:

Part 1 - Quotation: A quotation for rehabilitation and extension of existing water systems in four primary schools in Juba County.

The format BoQ can be used or a separate one depending on supplier's choice. Additional sheets may be attached for further details.

Part 2 - Legal documents

- Copy of the company's certificate of incorporation,
- Copy of Chamber of Commerce registration,
- Copy Tax Identification Certificate,
- Copy of Certificate of Operation,
- Company's Bank Statement of last three months,
- Company's official address,
- Bank account details (where money would be paid),

10. Ownership of quotations

MI reserves/funds ownership of all quotations received. As a consequence, bidders will not be able to stipulate requirements that their quotations are to be returned.

11. Opening of submitted quotations

The quotations will be opened on 9 March 2023 in MI Country Coordination Office in Juba, South Sudan, by the Evaluation committee. The selection process will be recorded in writing by the committee.

12. Quotations' evaluation

Technical resources and experience

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- Work schedule,
- Proposed staff details and CVs of technical staff and site engineer,
- Experiences and Works References and information required includes: provide for project name, value, brief description of scope of works and location of any 2 recent similar projects completed; Provide completion certificate of Works as proof of evidence and provide Referees for recently completed projects mentioned above (Name of contact person, Title and contact details– Telephone & Email),
- Plant and Equipment: Provide lists of relevant plants and equipment owned or leased to be used for the Works. Provided list of key equipment and
- Preliminary Health and Safety Plan,

Financial selection criteria

- Prices,
- The Bill of Quantities received with this document shall not be modified,
- Company's bank statement for the last three months,

13. Specific Technical and Financial Evaluation Criteria to standards:

- Comparative Bid Analysis and justification basing on responsiveness of the selected supplier by evaluation committee
- Contract agreement will directly be issued to the selected supplier upon approval.

14. The following are exclusion criteria:

❖ **Not submitted the following company registration documents in South Sudan:**

- Copy of the company's certificate of incorporation,
- Copy of Chamber of Commerce registration,
- Copy Tax Identification Certificate,
- Copy of Certificate of Operation,

❖ **Not bided according to the specification and**

❖ **Mathematical error of total bided price $\geq \pm 2\%$.**

15. Terms of payment

The payment will be done in United States Dollar by bank transfer or cheque as specified below:

- Payment terms will be within 10 business days after receipt of invoice, by electronic bank transfer.

Annex 2: Bills of Quantity

For rehabilitation and extension of existing water systems in four primary schools in Juba County

1- BOQ for rehabilitation of the 8 Water Taps 2 Stands and Construction of 2 Handwashing facilities for Gudele West primary school of Juba County

S/n	Description	Unit	Quantity	Unit rate (USD)	Amount (USD)
1.00	Site preparation, setting out , cleaning mobilization and demolization				
1.01	Pre- construction, cleaning mobilizations and demblization from the site	L-S	1		



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Sub-Total 1				
2.00	Construction of Handwashing facilities and Manholes			
2.02	Remove the top soil at the depth of 30cm for the handwashing facilities, Manholes surface area and excavate a trench for pipelines at adv. of 50cm and soakaway pits for each handwashing	Cu-m	5.8	
2.03	Cast a 10cm thick concrete 1:3:6 for the basement of the handwashing facility and manholes	Cu-m	0.5	
2.04	Construct a parameter wall for Handwashing facilities and a manhole using well burnt red bricks of bedded in cement mortar of 1:3 ratio	Sq	6	
2.05	Cast a reinforced concrete 10cm thick in U-Shap slab for the for the handwashing facilities rebar with Y12@ 10cm C/C and the manholes cover	Cu-m	0.75	
2.06	Use PPR pipe of 3/4" connected to 3 taps for handwashing facilities and 1 control flage valve for waste water is directed to soak away pit via manhole using 3" UPVC pipe	No.	2	
2.07	Conduct plastering on the constructed wall surfaces of the handwashing facilities and render the vertical walls in cement mortar	Sq.m	9	
2.06	Provide and install 8 taps(England made)and 1 gate valve per each handwashing facility and a floor trap at the constructed sink and direct the grey water to a soakaway pits at 1.5cu.m in ground	No	8	
Sub-Total 2				
2.00	Rehabilitation of Two water Taps Stands			
2.01	Excavate a trench foundation, for the Water stand tap and measuring 0.2 depth, 1.5 soak pits 0.6 manholes, pipeline depth 0.5. From reduced level.	Cu-m	8	
2.02	100mm thick hard core from broken stone rubbles or broken bricks and blinded with 50mm thick sand to receive the 75mm thick slab. The hard core should also be spread 400mm wide around the perimeter of the apron and drainage channel to receive 50mm thick of concrete to protect the apron walls from erosion.	m ³	3.2	
	<i>NOTE: Use of batch box measuring (300mmx 300mm x 390mm) shall be used for measuring concrete constituents. NO EXCEPTION like wheel barrows will be tolerated !!!Vibrated in - situ reinforced concrete class 25 (1:2:4) as to BS 8500:2002 in:-</i>			



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2.03	Scratche the surface of the floor and Cast a new 100mm thick concrete class 10(1:3:6) in 500mm wide on the hardcords and foundation wall for manholes including formwork and all other necessary requirements i.e curing	Cu-m	0.95		
2.05	Scratche the surface of the stand and Cast a new slab 150mm, vertical main taps stands 1.2m, Drainage Channels, ramp and Manholes covers in mass conc. Class 15(1:2:4) on RCC wall as copings including formwork and all other necessary requirements i.e curing	Cu-m	2		
2.08	Plumping including Testring: Using self-closing 8Taps (Oxfam standard) for all the taps for the water taps stands for PS ensuring each water taps stand has 1 gate valve as shown in the design	No	1		
2.09	Supply and lay PPR Pipe PN-10 including fitting and all necessary requirements at an average depth of 50cm	M	10		
2.10	Plastering works: Internal, external surfaces of apron and drainage channel, Manhole and the RCC surface for all (2 new constructed water taps and)	Sq.m	15		
2.11	Floor finishes: Provide a 25mm thick cement sand screed, 1:3 mix on the floors, Manhole and finish smooth with a steel float with slope of 5 % towards the soak pit .	Sq.m	15		
Sub- Total 3					
3.00	Repair two of the existing water stand taps				
3.01	Using self-closing Taps (Oxfam standard) replace all the taps for the water taps stands for Lagabu and Nerjebi PS ensuring each water taps stand has a gate valve	No	1		
3.02	Hack the wall and re-plaster and rendered in cement mortar all the wall surfaces and floors ensuring proper drainage channel directing the grey water to a soak pit via a grease trap using 3" PVC white pipe	No	1		
3.03	Construct a grease trap of 1x5 in red burnt bricks and direct its overflow to a soak pit of 1.5 cu.m	No	1		
Sub- Total 4					
Total					

Note: Rehabilitation of 2 Water taps stands and Constructions of 6 handwashing facilities on a curtain wall.

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**Rehabilitation of the Water System for Gudele West primary school of
 Juba County**

S/n	Description	Unit	Quantity	Unit rate (USD)	Amount (USD)
1.00	Site preparation, setting out, cleaning mobilization and demolization				
1.01	Pre- construction, cleaning mobilizations and demobilisation from the site	L-S	1		
	Sub-Total 1				
2.00	Source of the Water System and extension of pipe lines and Testing				
2.01	Identify the cause of the leakage from the well and replace the installed pipe in the well using (HDPE flexible) PE 100 pipe OD63 PN10 wall thickness 5.8mm including all the necessary requirements	M	10		
2.02	Chlorination of the two water sources and wash the storage tanks of the water systems	No	2		
2.03	Repair all the leakages at pipes, Joints and replace all the broken Gate valves and taps on the main and distributions pipe lines	L-S	1		
2.04	Provide and install in concrete a metallic box of 1.5x1.2x 1.2 using 30x30x2mm @100 mm C/C and the top cover using a metallic sheet of 2mm thick with a handle and big padlock	L-S	1		
2.05	Supply and installation of (HDPE flexible) PE 100 pipe OD63 PN10 wall thicks 3mm (1.0)as main distribution line with a valve at the joint which extends the pipe to the Handwashing facilities with all necessary requirements at an average depth of 50cm	M	15		
2.09	Construct independ chain link fence from school to communities Fabricate and paint and plotted in concrete an angle bar of (40x40x3mm) at the height of 2.0m@2c'c L- shape at the top and sheltered with chain link wire and an entry gate of 1.0m single shutter using Hollow section metal of 9No.40x40x3mm each gate for separate water system and considering barbed wire on top including all necessary requirements pad locks in and outside.	m	30		
	Sub- Total 2				
	Total				

GRANT TOTAL

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2 BOQ for rehabilitation of the 8 Water Taps 2 Stands and Construction of 2 Handwashing facilities for Gumbo West primary school of Juba County

S/n	Description	Unit	Quantity	Unit rate (USD)	Amount (USD)
1.00	Site preparation, setting out , cleaning mobilization and demolization				
1.01	Pre- construction, cleaning mobilizations and demobilisation from the site	L-S	1		
	Sub-Total 1				
2.00	Construction of Handwashing facilities and Manholes				
2.02	Remove the top soil at the depth of 30cm for the handwashing facilities, Manholes surface area and excavate a treach for pipelines at adv. of 50cm and soakaway pits for each handwashing	Cu-m	8		
2.03	Cast a 10cm thick concrete 1:3:6 for the basement of the handwashing facility and manholes	Cu-m	0.5		
2.04	Construct a parameter wall for Handwashing facilities and a manhole using well burnt red bricks of bedded in cement mortar of 1:3 ratio	Sq	6		
2.05	Cast a reinforced concrete 10c cm thick in U- Shap slab for the for the handwashing facilities rebar with Y12@ 10cm C/C and the manholes cover	Cu-m	0.75		
2.06	Use PPR pipe of 3/4" connected to 3 taps for handwashing facilities and 1 control flage valve for waste water is directed to soak away pit via manhole using 3" UPVC pipe	No.	2		
2.07	Conduct plastering on the constructed wall surfaces of the handwashing facilities and render the vertical walls in cement mortar	Sq.m	9		
2.06	Provide and install 8 taps(England made)and 1 gate valve per each handwashing facility and a floor trap at the constructed sink and direct the grey water to a soakaway pits at 1.5cu.m in ground	No	8		
	Sub-Total 2				
2.00	Rehabilitation of Two water Taps Stands				
2.01	Excavate a trench foundation, for the Water stand tap and measuring 0.2 depth, 1.5 soak pits 0.6 manholes, pipeline depth 0.5. From reduced level.	Cu-m	8		



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2.02	100mm thick hard core from broken stone rubbles or broken bricks and blinded with 50mm thick sand to receive the 75mm thick slab. The hard core should also be spread 400mm wide around the perimeter of the apron and drainage channel to receive 50mm thick of concrete to protect the apron walls from erosion.	m ³	3.2	
	NOTE: Use of batch box measuring (300mmx 300mm x 390mm) shall be used for measuring concrete constituents. NO EXCEPTION like wheel barrows will be tolerated !!!Vibrated in -situ reinforced concrete class 25 (1:2:4) as to BS 8500:2002 in:-			
2.03	Scratche the surface of the floor and Cast a new 100mm thick concrete class 10(1:3:6) in 500mm wide on the hard cords and foundation wall for manholes including formwork and all other necessary requirements i.e curing	Cu-m	0.95	
2.05	Scratche the surface of the stand and Cast a new slab150mm, vertical main taps stands 1.2m, Drainage Channels, ramp and Manholes covers in mass conc. Class 15(1:2:4) on RCC wall as copings including formwork and all other necessary requirements i.e curing	Cu-m	2	
2.08	Plumping including Testing: Using self -closing 8Taps (Oxfam standard) for all the taps for the water taps stands for PS ensuring each water taps stand has 1 gate valve as shown in the design	No	1	
2.09	Supply and lay PPR Pipe PN-10 including fitting and all necessary requirements at an average depth of 50cm	M	10	
2.10	Plastering works: Internal, external surfaces of apron and drainage channel, Manhole and the RCC surface for all (2 new constructed water taps and)	Sq.m	15	
2.11	Floor finishes: Provide a 25mm think cement sand screed, 1:3 mix on the floors, Manhole and finish smooth with a steel float with slope of 5 % towards the soak pit .	Sq.m	15	
Sub- Total 3				
3.00	Repair two of the existing water stand taps			
3.01	Using self closing Taps (Oxfam standard) replace all the taps for the water taps stands for Lagabu and Nerjebi PS ensuring each water taps stand has a gate valve	No	1	

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3.02	Hack the wall and re-plaster and rendered in cement mortar all the wall surfaces and floors ensuring proper drainage channel directing the grey water to a soak pit via a grease trap using 3" PVC white pipe	No	1		
3.03	Construct a grease trap of 1x5 in red burnt bricks and direct its overflow to a soak pit of 1.5 cu.m	No	1		
Sub- Total 4					
Total					

Note: Rehabilitation of 2 Water taps stands and Constructions of 6 handwashing facilities on a curtain wall.

Rehabilitation of the Water System for Gudele West primary school of Juba County

S/n	Description	Unit	Quantity	Unit rate (USD)	Amount (USD)
1.00	Site preparation, setting out , cleaning mobilization and demolization				
1.01	Pre- construction, cleaning mobilizations and demobilisation from the site	L-S	1		
Sub-Total 1					
2.00	Source of the Water System and extension of pipe lines and Testing				
2.01	Identify the cause of the leakage from the well and replace the installed pipe in the well using (HDPE flexible) PE 100 pipe OD63 PN10 wall thickness 5.8mm including all the necessary requirements	M	10		
2.02	Chlorination of the two water sources and wash the storage tanks of the water systems	No	2		
2.03	Repair all the leakages at pipes, Joints and replace all the broken Gate valves and taps on the main and distributions pipe lines	L-S	1		
2.04	Provide and install in concrete a metallic box of 1.5x1.2x 1.2 using 30x30x2mm @100 mm C/C and the top cover using a metallic sheet of 2mm thick with a handle and big padlock	L-S	1		
2.05	Supply and installation of (HDPE flexible) PE 100 pipe OD63 PN10 wall thick 3mm (1.0)as main distribution line with a valve at the joint which extents the pipe to the Handwashing facilities with all necessary requirements at an average depth of 50cm	M	15		

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2.09	Construct independ chain link fence from school to communities Fabricate and paint and plotted in concrete an angle bar of (40x40x3mm) at the height of 2.0m@2c'c L- shape at the top and sheltered with chain link wire and an entry gate of 1.0m single shutter using Hollow section metal of 9No.40x40x3mm each gate for separate water system and considering barbed wire on top including all necessary requirements pad locks in and outside.	m	30		
Sub- Total 2					
Total					

3 BOQ for rehabilitation of the 8 Water Taps 2 Stands and Construction of 2 Handwashing facilities for Rajaf West primary school of Juba County

S/n	Description	Unit	Quantity	Unit rate (USD)	Amount (USD)
1.00	Site preparation, setting out , cleaning mobilization and demolization				
1.01	Pre- construction, cleaning mobilizations and demobilisation from the site	L-S	1		
Sub-Total 1					
2.00	Construction of Handwashing facilities and Manholes				
2.02	Remove the top soil at the depth of 30cm for the handwashing facilities, Manholes surface area and excavate a treach for pipelines at adv. of 50cm and soakaway pits for each handwashing	Cu-m	8		
2.03	Cast a 10cm thick concrete 1:3:6 for the basement of the handwashing facility and manholes	Cu-m	0.5		
2.04	Construct a parameter wall for Handwashing facilities and a manhole using well burnt red bricks of bedded in cement mortar of 1:3 ratio	Sq	6		
2.05	Cast a reinforced concrete 10c cm thick in U- Shap slap for the for the handwashing facilities rebar with Y12@ 10cm C/C and the manholes cover	Cu-m	0.75		
2.06	Use PPR pipe of 3/4" connected to 3 taps for handwashing facilities and 1 control flage valve for waste water is directed to soak away pit via manhole using 3" UPVC pipe	No.	2		



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2.07	Conduct plastering on the constructed wall surfaces of the handwashing facilities and render the vertical walls in cement mortar	Sq.m	9		
2.06	Provide and install 8 taps(England made)and 1 gate valve per each handwashing facility and a floor trap at the constructed sink and direct the grey water to a soakaway pits at 1.5cu.m in ground	No	8		
Sub-Total 2					
2.00	Rehabilitation of Two water Taps Stands				
2.01	Excavate a trench foundation, for the Water stand tap and measuring 0.2 depth, 1.5 soak pits 0.6 manholes, pipeline depth 0.5. From reduced level.	Cu-m	8		
2.02	100mm thick hard core from broken stone rubbles or broken bricks and blinded with 50mm thick sand to receive the 75mm thick slab. The hard core should also be spread 400mm wide around the perimeter of the apron and drainage channel to receive 50mm thick of concrete to protect the apron walls from erosion.	m ³	3.2		
	<i>NOTE: Use of batch box measuring (300mmx 300mm x 390mm) shall be used for measuring concrete constituents. NO EXCEPTION like wheel barrows will be tolerated !!!Vibrated in -situ reinforced concrete class 25 (1:2:4) as to BS 8500:2002 in:-</i>				
2.03	Scratche the surface of the floor and Cast a new 100mm thick concrete class 10(1:3:6) in 500mm wide on the hard cords and foundation wall for manholes including formwork and all other necessary requirements i.e curing	Cu-m	0.95		
2.05	Scratche the surface of the stand and Cast a new slab150mm, vertical main taps stands 1.2m, Drainage Channels, ramp and Manholes covers in mass conc. Class 15(1:2:4) on RCC wall as copings including formwork and all other necessary requirements i.e curing	Cu-m	2		
2.08	Plumping including Testing: Using self -closing 8Taps (Oxfam standard) for all the taps for the water taps stands for PS ensuring each water taps stand has 1 gate valve as shown in the design	No	1		



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2.09	Supply and lay PPR Pipe PN-10 including fitting and all necessary requirements at an average depth of 50cm	M	10		
2.10	Plastering works: Internal, external surfaces of apron and drainage channel, Manhole and the RCC surface for all (2 new constructed water taps and)	Sq.m	15		
2.11	Floor finishes: Provide a 25mm thick cement sand screed, 1:3 mix on the floors, Manhole and finish smooth with a steel float with slope of 5 % towards the soak pit.	Sq.m	15		
Sub- Total 3					
3.00	Repair two of the existing water stand taps				
3.01	Using self-closing Taps (Oxfam standard) replace all the taps for the water taps stands for Lagabu and Nerjebi PS ensuring each water taps stand has a gate valve	No	1		
3.02	Hack the wall and re-plaster and rendered in cement mortar all the wall surfaces and floors ensuring proper drainage channel directing the grey water to a soak pit via a grease trap using 3" PVC white pipe	No	1		
3.03	Construct a grease trap of 1x5 in red burnt bricks and direct its overflow to a soak pit of 1.5 cu.m	No	1		
Sub- Total 4					
Total					

Note: Rehabilitation of 2 Water taps stands and Constructions of 6 handwashing facilities on a curtain wall.

Rehabilitation of the Water System for Gudele West primary school of Juba County

S/n	Description	Unit	Quantity	Unit rate (USD)	Amount (USD)
1.00	Site preparation, setting out, cleaning mobilization and demolization				
1.01	Pre-construction, cleaning mobilizations and demobilisation from the site	L-S	1		
Sub-Total 1					
2.00	Source of the Water System and extension of pipe lines and Testing				



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2.01	Identify the cause of the leakage from the well and replace the installed pipe in the well using (HDPE flexible) PE 100 pipe OD63 PN10 wall thickness 5.8mm including all the necessary requirements	M	10		
2.02	Chlorination of the two water sources and wash the storage tanks of the water systems	No	2		
2.03	Repair all the leakages at pipes, Joints and replace all the broken Gate valves and taps on the main and distributions pipe lines	L-S	1		
2.04	Provide and install in concrete a metallic box of 1.5x1.2x 1.2 using 30x30x2mm @100 mm C/C and the top cover using a metallic sheet of 2mm thick with a handle and big padlock	L-S	1		
2.05	Supply and installation of (HDPE flexible) PE 100 pipe OD63 PN10 wall thickness 3mm (1.0) as main distribution line with a valve at the joint which extends the pipe to the Handwashing facilities with all necessary requirements at an average depth of 50cm	M	15		
2.09	Construct independent chain link fence from school to communities Fabricate and paint and plotted in concrete an angle bar of (40x40x3mm) at the height of 2.0m@2c/c L- shape at the top and sheltered with chain link wire and an entry gate of 1.0m single shutter using Hollow section metal of 9No.40x40x3mm each gate for separate water system and considering barbed wire on top including all necessary requirements pad locks in and outside.	m	30		
Sub- Total 2					
Total					

4 BOQ for rehabilitation of the 8 Water Taps 2 Stands and Construction of 2 Handwashing facilities for Kapuri primary school of Juba County

No	Description	Unit	Quantity	Unit rate (USD)	Amount (USD)
1.00	Site preparation, setting out , cleaning mobilization and demolization				
1.01	Pre-construction, cleaning mobilizations and demobilisation from the site	L-S	1		
Sub-Total 1					



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2.00	Construction of Handwashing facilities and Manholes				
2.02	Remove the top soil at the depth of 30cm for the handwashing facilities, Manholes surface area and excavate a treach for pipelines at adv. of 50cm and soakaway pits for each handwashing	Cu- m	8		
2.03	Cast a 10cm thick concrete 1:3:6 for the basement of the handwashing facility and manholes	Cu- m	0.5		
2.04	Construct a parameter wall for Handwashing facilities and a manhole using well burnt red bricks of bedded in cement mortar of 1:3 ratio	Sq	6		
2.05	Cast a reinforced concrete 10cm thick in U- Shap slab for the for the handwashing facilities rebar with Y12@ 10cm C/C and the manholes cover	Cu- m	0.75		
2.06	Use PPR pipe of 3/4" connected to 3 taps for handwashing facilities and 1 control flage valve for waste water is directed to soak away pit via manhole using 3" UPVC pipe	No.	2		
2.07	Conduct plastering on the constructed wall surfaces of the handwashing facilities and render the vertical walls in cement mortar	Sq.m	9		
2.06	Provide and install 8 taps(England made)and 1 gate valve per each handwashing facility and a floor trap at the constructed sink and direct the gry water to a soakaway pits at 1.5cu.m in ground	No	8		
Sub-Total 2					
2.00	Rehabilitation of Two water Taps Stands				
2.01	Excavate a trench foundation, for the Water stand tap and measuring 0.2 depth, 1.5 soak pits 0.6 manholes, pipeline depth 0.5. From reduced level.	Cu- m	8		
2.02	100mm thick hard core from broken stone rubbles or broken bricks and blinded with 50mm thick sand to receive the 75mm thick slab. The hard core should also be spread 400mm wide around the perimeter of the apron and drainage channel to receive 50mm thick of concrete to protect the apron walls from erosion.	m ³	3.2		
	<i>NOTE: Use of batch box measuring (300mmx 300mm x 390mm) shall be used for measuring concrete constituents. NO EXCEPTION like wheel barrows will be tolerated !!!Vibrated in - situ reinforced concrete class 25 (1:2:4) as to BS 8500:2002 in:-</i>				



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2.03	Scratche the surface of the floor and Cast a new 100mm thick concrete class 10(1:3:6) in 500mm wide on the hard cords and foundation wall for manholes including formwork and all other necessary requirements i.e curing	Cu-m	0.95		
2.05	Scratche the surface of the stand and Cast a new slab 150mm, vertical main taps stands 1.2m, Drainage Channels, ramp and Manholes covers in mass conc. Class 15(1:2:4) on RCC wall as copings including formwork and all other necessary requirements i.e curing	Cu-m	2		
2.08	Plumping including Testing: Using self-closing 8Taps (Oxfam standard) for all the taps for the water taps stands for PS ensuring each water taps stand has 1 gate valve as shown in the design	No	1		
2.09	Supply and lay PPR Pipe PN-10 including fitting and all necessary requirements at an adverage depth of 50cm	M	10		
2.10	Plastering works: Internal, external surfaces of apron and drainage channel, Manhole and the RCC surface for all (2 new constructed water taps and)	Sq.m	15		
2.11	Floor finishes: Provide a 25mm thick cement sand screed, 1:3 mix on the floors, Manhole and finish smooth with a steel float with slope of 5 % towards the soak pit .	Sq.m	15		
Sub- Total 3					
3.00	Repair two of the existing water stand taps				
3.01	Using self-closing Taps (Oxfam standard) replace all the taps for the water taps stands for Lagabu and Nerjebi PS ensuring each water taps stand has a gate valve	No	1		
3.02	Hack the wall and re-plaster and rendered in cement mortar all the wall surfaces and floors ensuring proper drainage channel directing the grey water to a soak pit via a grease trap using 3" PVC white pipe	No	1		
3.03	Construct a grease trap of 1x5 in red burnt bricks and direct its overflow to a soak pit of 1.5 cu.m	No	1		
Sub- Total 4					
Total					

Note: Rehabilitaion of 2 Water taps stands and Constructions of 6 handwashing facilities on a curtain wall.

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Rehabilitation of the Water System for Gudele West primary school of Juba County

S/n	Description	Unit	Quantity	Unit rate (USD)	Amount (USD)
1.00	Site preparation, setting out , cleaning mobilization and demolization				
1.01	Pre- construction, cleaning mobilizations and demobilisation from the site	L-S	1		
	Sub-Total 1				
2.00	Source of the Water System and extension of pipe lines and Testing				
2.01	Identify the cause of the leakage from the well and replace the installed pipe in the well using (HDPE flexible) PE 100 pipe OD63 PN10 wall thickness 5.8mm including all the necessary requirements	M	10		
2.02	Chlorination of the two water sources and wash the storage tanks of the water systems	No	2		
2.03	Repair all the leakages at pipes, Joints and replace all the broken Gate valves and taps on the main and distributions pipe lines	L-S	1		
2.04	Provide and install in concrete a metallic box of 1.5x1.2x 1.2 using 30x30x2mm @100 mm C/C and the top cover using a metallic sheet of 2mm thicks with a handle and big padlock	L-S	1		
2.05	Supply and installation of (HDPE flexible) PE 100 pipe OD63 PN10 wall thick 3mm (1.0)as main distribution line with a value at the joint which extents the pipe to the Handwashing facilities with all necessary requirements at an average depth of 50cm	M	15		
2.09	Construct independ chain link fence from school to communities Fabricate and paint and plotted in concrete an angle bar of (40x40x3mm) at the hieght of 2.0m@2c'c L- shape at the top and sheltered with chain link wire and an entry gate of 1.0m single shutter using Hollow section metal of 9No.40x40x3mm each gate for separate water system and considering barbed wire on top including all necessary requirements pad locks in and outside.	m	30		
	Sub- Total 2				-
	Total				-

GRANT TOTAL

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SUMMARY PAGES

S/N	Description	Amount (USD)
1	Gudele West Primary School	
2	Gumbo Basic Primary School	
3	Rajaf West Primary School	
4	Kapuri Primary School	
GRANT TOTAL		

On behalf of Malteser International:

3 March 2023

Sincerely,



Nermin Silajdzic

Country Logistics and Security Coordinator

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