	BILL OF QUANTITIES					
	South Sudan Enhancing Community Resilience and Local					
	Project Description:Drilling of 6 boreholes and installation of hand pump at Ngo-Sungele "B GPS (N, E),Nangawiya GPS (N, E),Ngbodar GPS (N, E), and Ngisa PHCU GPS (N, E) Bag Biringi Ps GPS (N, E), Extension pipeline and construction of water point at Bussere PHCL yards-15 cubic meter storage capacity at Hai Dinka PHCU GPS (N, E), Lokoloko PHCC GF E); Drilling 1 borehole and Construction of water yard in Hai Jedid GPS (N, E) 20 Cubic met County, Western Bhr El Ghazal State	gari boma, Re J GPS (N, E) a PS (N, E) and I	habilitation of B nd Upgrading 3 Lokoloko Secon	orehole Platform at 3 boreholes into water dary school GPS (N,	Tender Packag	e No.5
	Name of Bidder:					
ITEM	DESCRIPTIONS	Unit	Quantity required for project	Unit Cost [USD]	Total cos	st (USD)
BILL NO. 1	PRELIMINARIES		project		\$	-
	Notes: All the Bidders are requested to refer "Pricing Preamble and notes below" and	Note				
	works items of this Bills of Quantities shall be priced to fulfill the requirements there- in. Also see that no page or items are missing prior to pricing of this bill of quantities.					
	A list of typical general items are given below. However, the Bidder is requested to price only those items that may affect this Contract.	Note				
	If no price has been stated against any item hereunder, the Contractor shall not be entitled to claim any money for such items even though he is obliged to execute the work or provide services described therein. Preliminary items priced by the Tenderer are deemed to include the cost of unpriced items.	Note				
	Cost and expenses in connection with any other preliminary item which is not listed below, but is necessary for the due completion of works, is deemed to be included in the tender rates.	Note				
1.1	Mobilization and Site Facilities		4		\$	-
1.1.1	Mobilization of all required borehole drilling equipment, Construction and personel to project site.	Lump Sum	1.00		\$	
1.1.2	The contractor shall provide adequate space to serve as a temporary site office and fit it with the required facilities for his own site management staff The contractor shall provide adequate space to serve as a temporary site stores or space for storage of plant and materials for the work herein. The contractor shall provide toilet facilities for his workers and the Engineers within the site as directed and with Sanitary conditions meeting WHO Standards.	Lump Sum	1.00		\$	-
1.1.3	site as directed and with cantally conditions meeting with colandards.	Lump Sum	1		\$	-
	The contractor shall provide necessary protective fencing/site hoarding, lighting, watchmen and other precautions and maintain for entire drillinf and construction period. PLATES					
	Fabricate a metal visibility plate 100 x 80 mm to be wall mounted. Art work of name board will be issued by IOM	Each	12.00		\$	-
1.1.4	Fabricate and install a sign post stand, 1m x 1.2m metal signboad on a 1.8m stand with a concrete foundation (min. 0.40 x 0.40 x 0.60 m, as directed by the Site Engineer). Concrete class C-25 (1:1:2) with RHS 40 x 40 x 2.5mm posts and 2mm thick sheet metal sign.	Each	6.00		\$	-
	Sites Operations				\$	-
1.1.5	Allow for setting out of works in accordance with drawings; liaise with client to establish exact boundaries and other written information given by the Engineer and obtain written approval from the relevant government authorities for setting out, street and building lines before commencements of construction; Checking of any setting out or of any line or level by the Engineer shall not in any way relieve the Contractor of his responsibility for the accuracy thereof.	Lump Sum	1		\$	-
1.1.6	Allow for supplying water for the Works and facilities of the contractor including connection, distribution system for the work, internal arrangements and all payment to the authorities for connections. It is the responsibility of the Contractor to ensure steady and uninterrupted water supply to Works.	Lump Sum	1		\$	-
1.1.7	Allow for maintaining daily records in the manner required by the Engineer to indicate factual details of, Workers, materials , Machinery and Equipment, Weather	Lump Sum	1		\$	-
1.1.8	Allow for maintaining the sites in clean and orderly fashion at all times and during the entire contract period. Materials, casings etc. shall be kept neatly stacked on the site with all access-ways kept clear. All dust, debris and rubbish etc., arising out of his own works shall be continually cleared and removed from the site. The Engineer's Representative shall certify a percentage of the monthly rate or shall completely suspend the monthly amount if the contractor's maintenance is found to be unacceptable.	Lump Sum	1		\$	-
1.1.9	Allow for providing all necessary safety measures to workmen (provision for proper usage of Personal protective equipment (PPE)). The bidder should submit his comprehensive safety plan with description and number in each safety device and other safety equipment proposed. The Engineer's Representative has the right to pay a percentage of the monthly component to suit the percentage accomplishment of this safety plan.	Lump Sum	1		\$	-
1.1.10	Allow for all cost in connection with preparing samples for testing, making arrangements for testing of materials, goods etc., as stipulated in the Specification, obtaining test reports and submitting the same to the Engineer's Representative. (This item intends to cover all expenses incurred by the contractor in connection with sampling and testing of materials, goods etc., required by the specifications, other than those provided for in the bills of quantities.) Insurances, Bonds & Fees	Lump Sum	1		\$	
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1.1.11		Lump Sum	1	\$	-
	Allow for Contractor's All Risk Insurance Policy, including third party liability and from the starting date until the defects liability certificate has been issued, the risks of personal injury, death, and loss of or damage to property (including, without limitation, the works, plant, materials, and equipment) which are not employers risk but are contractors risk Allow for insurance against claims for worker's compensation. Engineer's and Consultant's representatives, shall be included in the Insurance Policy.				
	Allow for insurance against loss or damage to the works, adjacent structures, any existing overhead and/or underground services that may cause damages during the construction				

	Fundamental and Carial Cafesus valing Description	I			•	
1.1.12	Environmental and Social Safeguarding Requirements				\$	-
	Allow for providing all necessary safety measures to workmen (provision for proper usage					
	of Personal protective equipment (PPE). The bidder should submit his comprehensive					
	safety plan with description and number in each safety device and other safety equipment proposed. The Engineer's Representative has the right to pay a percentage of the monthly					
	component to suit the percentage accomplishment of this safety plan.					
1.1.13	Conduct environmental and social risk assessment and management on all subproject	Lump Sum	1		\$	-
	sites including conducting inspections to ensure adherenace to the requirment of IOM and					
1.1.14	the World Bank Provide resources to ensure a safe working environment including signage, access	Lump Sum	1		\$	
1.1.1-	control, fall protection equipment and devices, ocupational safety and health equipment,	Lump Cum	· ·		•	
	and first aid kit.					
1.1.15	Ensure measures are put in place to guarantee community safety including stakeholder	Lump Sum	1		\$	-
1.1.16	engagement and information disclosure Acquire all relevant Environmental perts, licenses and authorisation prior to engaging in	Lump Sum	1		\$	
	any activities that require such. This includes adhereing to conditions of any licenses	Zamp Gam	·		1	
	issues.	_				
1.1.17	Rehabilitate and ensure maintanace of aesthetic environment including ensuring the sound management of waste on all sites.	Lump Sum	1		\$	-
1.1.18	Ensure there is a designated qualified and competent environmental and social	Month	6		\$	_
	safeguards specialist within the contrcator's team atleast for each subproject.				Ť	
		11-11	0	H-1: 0: [H0D]		T-1-1 (110D
ITEM	DESCRIPTIONS	Unit	Quantity required for	Unit Cost [USD]		Total cost (USD
II LIVI	DESCRIPTIONS		project			
	DRILLING BOREHOLE, WELL CONSTRUCTION AT NGO-SUNGELE "B", KOTI-				\$	
BILL NO.2A	NGBAYA, NGO-VONGO, NANGAWIYA, NGBODAR, AND NGISA PHCU BAGARI					
2.4	PAYAM, AND HAI JEDID-WAU NORTH PAYAM- WAU COUNTY					
2.1	Site Selection	LS	1.00		\$	-
	Select a location for borehole drilling, using geo-electrical technique. The suitable sites		1.00		,	_
644	recommended by the hydrogeologist able to provide borehole yield of at least 4m3/hr.					
2.1.1 2.2	Geophysical survey report submitted to the ECRP/IOM infrasctructure technical Lead				\$	
2.2.1	Drilling Drilling of a minimum of 13"Ø diameter borehole in the overbuden zone.	m	20.00		\$	-
	Drilling of a minimum of 9"Ø diameter borehole from (40- 50)m to a minimum depth of 90	m	80.00		\$	-
2.2.2	meters.					
	Collection of representative, continous samples of 125 grams minimum of the strata	LS	1.00		\$	-
	penetrated for every 2m interval and when required by the ECRP/IOM Project Engineer.					
	The samples to be preserved in polythene bags or suitable sealable containers and					
	clearly marked in waterproof ink according to Location, borehole reference identification					
2.2.3 2.3	number (supplied by IOM), date taken and depth [from – to]. Well Construction				\$	
2.3	Well Collstituction	m	80.00		\$	-
	Supply and installation of 6"Ø nominal diameter uPVC, drinking water standards and				1	
	PN10 rated casing of 6.5mm minimum thickness. Casing shall be installed to a minimum depth corresponding to the overbuden zone in hard formation. For unconsolidated					
	formation, the casing shall be installed to borehole depth and fitted with a bottom cap.					
2.3.1	Casings compliance to ISO 9001:2018 and DIN4925.					
	For unconsolidated formations, supply and installation of 6" nominal diameter casings	m	20.00		\$	-
	screens with horizontal slot opening size of 0.5mm to 1mm with a minimum aperture of 6%. Casing minimum wall thickness of 6.5mm.					
2.3.2	Casings compliance to ISO 9001:2018 and DIN4925.					
	Supply and installation of river-bed, washed, well-rounded and of uniform grading gravel	LS	1.00		\$	-
2.3.3	packs of 1-5mm as per ToR.					
	Supply and installation of the sanitary seal around the casing above the filter pack. A	LS	1.00		\$	-
2.3.4	sanitary seal of 3m shall be installed in the annular space from the filter/gravel pack.					
	Backfilling of borehole annulus and installation of 3m of sanitary seal below the ground	LS	1.00		\$	-
2.3.5	level surface. Make provision for installation of pedestal stand					
2.4 2.4.1	Well Development Develop the well as per ToR specification.	hrs	6.00		\$	<u>.</u>
2.4.1	Pump testing	1115	0.00		\$	
2.5.1	Conduct step drawdown and recovery test as per ToR specification.	hrs	8.00		\$	-
2.5.2	Conduct constant rate and recovery test as per ToR specification.	hrs	8.00		\$	-
2.6	Water quality Collect 2 x 1 litre water samples, and submit to an approved laboratory for analysis. Water	10	4.00		\$	-
	quality shall comply with the minimum South Sudan quality standards and report shared to	LS	1.00		\$	-
2.6.1	IOM/ECRP infrastructure technical lead				1	
	Conduct field testing using portable water quality testing equipment for EC, TDS,	LS	1.00		\$	-
2.6.2	Temperature, PH and Turbidity. Clean and disinfect the borehole as per ToR.	LS	1.00		•	
2.6.3	Reporting	Lò	1.00		\$	-
	Submit well completion report as per IOM/ECRP requirements including results of water	No	1.00		\$	-
2.8.1	quality analysis as per the ToR					
	PLATFORM CONSTRUCTION AND INSTALATION INDIAN MARK II HAND PUMPS FOR				\$	-
BILL NO.2B	BOREHOLES AT NGO-SUNGELE "B", KOTI-NGBAYA, NGO-VONGO, NANGAWIYA, NGBODAR, AND NGISA PHCU					
DILL NU.ZB	HODODAN, AND HOLDA I HOU	LS	1.00		\$	-
	Supply and construct borehole platform and soak pit in accordance with ToR and ECRP		1.00		*	
	platform design. The soak pit shall be reamed 600mm with burnt bricks or lateriteboulders				1	
28.1 ∩	with 150mm projected above ground level and shall be covered with 1000-gauge					
2B.1.0		No	1.00		\$	

	BOREHOLE REHABILITATION AT BIRINGI PRIMARY SCHOOL				\$	
	Dismantle the handpump and break the existing dilapidated platform; Reconstruction the	LS	1.00		\$	
	platform; Supply and install INDIA Mark II Hand Pump including 60m of rods and GI riser					
2C.1.0	pipes,cylinder assembly ,water tank and head assembly.					
	BILL SUMMARY-DRILLING OF BOREHOLES AND REHABILITATION				\$	
	DRILLING BOREHOLE, WELL CONSTRUCTION AT NGO-SUNGELE "B", KOTI-	Unit	7.00	\$ -	\$	
BILL NO.2A	NGBAYA, NGO-VONGO, NANGAWIYA, NGBODAR, AND NGISA PHCU BAGARI			*	· ·	
	PAYAM, AND HAI JEDID-WAU NORTH PAYAM- WAU COUNTY					
	PLATFORM CONSTRUCTION AND INSTALATION INDIAN MARK II HAND PUMPS FOR	Unit	6.00	\$ -	\$	
BILL NO.2B	BOREHOLES AT NGO-SUNGELE "B", KOTI-NGBAYA, NGO-VONGO, NANGAWIYA,	Offic	0.00	Ψ -	Ψ	
DILL NO.2D	NGBODAR, AND NGISA PHCU					
NII I NO 00	BOREHOLE REHABILITATION AT BIRINGI PRIMARY SCHOOL	1.1-34	4.00	•		
BILL NO.2C	BUREHULE REHABILITATION AT BIRINGI PRIMARY SCHOOL	Unit	1.00	\$ -	\$	
	CONSTRUCTION OF 2 WATER KIOSKS EACH WITH 6 TALBOT TALFLOW SELF-				\$	
211 L NO 24	CLOSING TAPS IN HOLLOW BLOCK AND CONCRETE MASONRY AT HAI JEDID					
BILL NO. 3A						
	VILLAGE-WAU NORTH PAYAM					
3A.1	Excavation and Earthwork				\$	
3A.1.1		0	0.00			
3A.1.1	Excavate to remove top vegetable soil, average 200mm deep	m2	6.00		\$	
	Excavate in soft material for foundation wall and strip footings, 0 to 1.0 m deep starting	m3	7.00		\$	
3A.1.2	from stripped levels					
	Backfilling					
3A.1.3	Return, fill in and ram selected excavated material around foundations	m3	4.00		\$	
	Disposal of Surplus spoil					
	Disposar or our practices	m3	3.00		\$	
3A.1.4	Load and cart away surplus excavated material from site to an approved dumping site	1110	3.00		1	
3A.1.4	, ,		_	+	+	
	Selected filling					
	Approved filling, well watered and compacted in layers not exceeding 150mm deep [under	m3	1.00		\$	
3A.1.5	floor slabs]					
3A.1.6	50mm Thick quarry dust blinding to surfaces of hardcore [under floor slabs]	m2	0.70		\$	
	Anti-termite treatment					
	Chemical anti-termite treatment as "Premise 200 SC" or other equal and approved	m2	12.32		\$	
	executed complete by an approved specialist under a ten (10) year guarantee [Under	1112	12.02		Ψ	
3A.1.7	ramps, steps and paving slabs]					
5A.1.7	Damp proof membrane					
	1000 Gauge polythene or other equal and approved damp proof membrane laid under	m2	5.00		\$	
3A.1.8	surface bed with 300mm side and end laps					
3A.2	Concrete and Brick work				\$	
	Plain concrete class 15 (mix 1:3:6)					
3A.1.1	50mm Thick Blinding under foundations	m2	0.10		\$	
	Insitu concrete class 25, vibrated and reinforced as described, in:-				- T	
	Institut contrete class 25, vibrated and reinforced as described, in					
	hadita and a day of a				\$	
04.4.0	Insitu concrete class 25, vibrated and reinforced as described, in:-					
3A.1.3	Strip footing	m3	1.54		\$	
3A.1.4	Ring beams	m3	1.54		\$	
3A.1.5	150mm Thick floor slab	m2	1.62		\$	
	500 mm wide water channel	m2	0.77		\$	
	Reinforcement					
	High tensile steel reinforcement to B.S. 4461 in structural concrete work including cutting,				\$	
	bending, hoisting, fixing, tying wire and spacing blocks				•	
	8 mm diameter bars	Kg	15.00		\$	
		rtg	10.00			
		1/~			r r	
	10 mm diameter bars	Kg			\$	
	12 mm diameter bars	Kg Kg	34.00		\$	
	12 mm diameter bars				\$	
3A.1.6	12 mm diameter bars A142 Mesh reinforcement ; B.S. 4483 weighing 2.22 kgs per square meter including				\$	
3A.1.6	12 mm diameter bars A142 Mesh reinforcement ; B.S. 4483 weighing 2.22 kgs per square meter including bends, tying wire and spacing blocks	Kg	34.00		\$	
	12 mm diameter bars A142 Mesh reinforcement; B.S. 4483 weighing 2.22 kgs per square meter including bends, tying wire and spacing blocks Fabric mesh reinforcement in slabs Sawn formwork to:-	Kg m2	5.60		\$ \$	
3A.1.6 3A.1.7	12 mm diameter bars A142 Mesh reinforcement; B.S. 4483 weighing 2.22 kgs per square meter including bends, tying wire and spacing blocks Fabric mesh reinforcement in slabs Sawn formwork to: Vertical sides of strip footings	M2	34.00 5.60 2.00		\$ \$ \$	
3A.1.7	12 mm diameter bars A142 Mesh reinforcement; B.S. 4483 weighing 2.22 kgs per square meter including bends, tying wire and spacing blocks Fabric mesh reinforcement in slabs Sawn formwork to: Vertical sides of strip footings Sides and soffites of beams and lintels	m2 m2 m2 m2	34.00 5.60 2.00 5.00		\$ \$ \$	
	12 mm diameter bars A142 Mesh reinforcement; B.S. 4483 weighing 2.22 kgs per square meter including bends, tying wire and spacing blocks Fabric mesh reinforcement in slabs Sawn formwork to: Vertical sides of strip footings Sides and soffites of beams and lintels Edges of 100mm thick floor bed and ramp	M2	34.00 5.60 2.00		\$ \$ \$	
3A.1.7	12 mm diameter bars A142 Mesh reinforcement; B.S. 4483 weighing 2.22 kgs per square meter including bends, tying wire and spacing blocks Fabric mesh reinforcement in slabs Sawn formwork to:- Vertical sides of strip footings Sides and soffites of beams and lintels Edges of 100mm thick floor bed and ramp Block/Brickwork	m2 m2 m2 m2	34.00 5.60 2.00 5.00		\$ \$ \$	
3A.1.7	12 mm diameter bars A 142 Mesh reinforcement; B.S. 4483 weighing 2.22 kgs per square meter including bends, tying wire and spacing blocks Fabric mesh reinforcement in slabs Sawn formwork to: Vertical sides of strip footings Sides and soffites of beams and lintels Edges of 100mm thick floor bed and ramp Block/Brickwork Solid concrete block walls with minium characteristic comprehensive strength of	m2 m2 m2 m2	34.00 5.60 2.00 5.00		\$ \$ \$	
3A.1.7	12 mm diameter bars A142 Mesh reinforcement; B.S. 4483 weighing 2.22 kgs per square meter including bends, tying wire and spacing blocks Fabric mesh reinforcement in slabs Sawn formwork to: Vertical sides of strip footings Sides and soffites of beams and lintels Edges of 100mm thick floor bed and ramp Block/Brickwork Solid concrete block walls with minium characteristic comprehensive strength of 7.0N/mm2; bedded, jointed and pointed in cement sand (1:3) mortar; reinforced with hoop	m2 m2 m2 m2	34.00 5.60 2.00 5.00		\$ \$ \$	
3A.1.7 3A.1.8	12 mm diameter bars A142 Mesh reinforcement; B.S. 4483 weighing 2.22 kgs per square meter including bends, tying wire and spacing blocks Fabric mesh reinforcement in slabs Sawn formwork to: Vertical sides of strip footings Sides and soffites of beams and lintels Edges of 100mm thick floor bed and ramp Block/Brickwork Solid concrete block walls with minium characteristic comprehensive strength of 7.0N/mm2; bedded, jointed and pointed in cement sand (1:3) mortar; reinforced with hoop with hoop iron after every alternate course.	m2 m2 m2 m2 m	34.00 5.60 2.00 5.00 8.00		\$ \$ \$ \$ \$ \$	
3A.1.7 3A.1.8	12 mm diameter bars A142 Mesh reinforcement; B.S. 4483 weighing 2.22 kgs per square meter including bends, tying wire and spacing blocks Fabric mesh reinforcement in slabs Sawn formwork to: Vertical sides of strip footings Sides and soffites of beams and lintels Edges of 100mm thick floor bed and ramp Block/Brickwork Solid concrete block walls with minium characteristic comprehensive strength of 7.0N/mm2; bedded, jointed and pointed in cement sand (1:3) mortar; reinforced with hoop	m2 m2 m2 m2	34.00 5.60 2.00 5.00		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
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3A.1.7 3A.1.8	12 mm diameter bars A142 Mesh reinforcement; B.S. 4483 weighing 2.22 kgs per square meter including bends, tying wire and spacing blocks Fabric mesh reinforcement in slabs Sawn formwork to: Vertical sides of strip footings Sides and soffites of beams and lintels Edges of 100mm thick floor bed and ramp Block/Brickwork Solid concrete block walls with minium characteristic comprehensive strength of 7.0N/mm2; bedded, jointed and pointed in cement sand (1:3) mortar; reinforced with hoop with hoop iron after every alternate course. 200mm Thick wall below ground	m2 m2 m2 m2 m	34.00 5.60 2.00 5.00 8.00		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
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3A.1.7 3A.1.8	12 mm diameter bars A 142 Mesh reinforcement; B.S. 4483 weighing 2.22 kgs per square meter including bends, tying wire and spacing blocks Fabric mesh reinforcement in slabs Sawn formwork to:- Vertical sides of strip footings Sides and soffites of beams and lintels Edges of 100mm thick floor bed and ramp Block/Brickwork Solid concrete block walls with minium characteristic comprehensive strength of Z.0N/mm2; bedded, jointed and pointed in cement sand (1.3) mortar; reinforced with hoop with hoop iron after every alternate course. 200mm Thick wall below ground 200mm Thick wall above ground Roof construction Notes: Roofing cost includes all timber framing i.e purlins, rafters, base blate according to the	m2 m2 m2 m2 m	34.00 5.60 2.00 5.00 8.00		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
3A.1.7 3A.1.8	12 mm diameter bars A142 Mesh reinforcement; B.S. 4483 weighing 2.22 kgs per square meter including bends, tying wire and spacing blocks Fabric mesh reinforcement in slabs Sawn formwork to: Vertical sides of strip footings Sides and soffites of beams and lintels Edges of 100mm thick floor bed and ramp Block/Brickwork Solid concrete block walls with minium characteristic comprehensive strength of 7.0N/mm2; bedded, jointed and pointed in cement sand (1:3) mortar; reinforced with hoop with hoop iron after every alternate course. 200mm Thick wall below ground 200mm Thick wall above ground Roof construction Notes: Roofing cost includes all timber framing i.e purlins, rafters, base blate according to the design drawing and technical specification.	m2 m2 m2 m2 m	34.00 5.60 2.00 5.00 8.00 10.00 20.00		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
3A.1.7 3A.1.8 3A.1.9 3A.1.10	12 mm diameter bars A 142 Mesh reinforcement; B.S. 4483 weighing 2.22 kgs per square meter including bends, tying wire and spacing blocks Fabric mesh reinforcement in slabs Sawn formwork to: Vertical sides of strip footings Sides and soffites of beams and lintels Edges of 100mm thick floor bed and ramp Block/Brickwork Solid concrete block walls with minium characteristic comprehensive strength of 7.0N/mm2; bedded, jointed and pointed in cement sand (1:3) mortar; reinforced with hoop with hoop iron after every alternate course. 200mm Thick wall below ground 200mm Thick wall above ground Roof construction Notes: Roofing cost includes all timber framing i.e purlins, rafters, base blate according to the design drawing and technical specification. Supply and Fix 28 gauge galvanized iron sheets; fixed to 75x50mm timber purlins,	m2 m2 m2 m2 m	34.00 5.60 2.00 5.00 8.00		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
3A.1.7 3A.1.8 3A.1.9 3A.1.10	12 mm diameter bars A142 Mesh reinforcement; B.S. 4483 weighing 2.22 kgs per square meter including bends, tying wire and spacing blocks Fabric mesh reinforcement in slabs Sawn formwork to: Vertical sides of strip footings Sides and soffites of beams and lintels Edges of 100mm thick floor bed and ramp Block/Brickwork Solid concrete block walls with minium characteristic comprehensive strength of 7.0N/mm2; bedded, jointed and pointed in cement sand (1:3) mortar; reinforced with hoop with hoop iron after every alternate course. 200mm Thick wall below ground 200mm Thick wall above ground Roof construction Notes: Roofing cost includes all timber framing i.e purlins, rafters, base blate according to the design drawing and technical specification. Supply and Fix 28 gauge galvanized iron sheets; fixed to 75x50mm timber purlins, 100x50mm rafters 100x50 wall plate and 200x25mm facsia board.	m2 m2 m2 m2 m m	34.00 5.60 2.00 5.00 8.00 10.00 20.00		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
3A.1.9 3A.1.10 3A.1.11 3A.1.11	12 mm diameter bars A 142 Mesh reinforcement; B.S. 4483 weighing 2.22 kgs per square meter including bends, tying wire and spacing blocks Fabric mesh reinforcement in slabs Sawn formwork to:- Vertical sides of strip footings Sides and soffites of beams and lintels Edges of 100mm thick floor bed and ramp Block/Brickwork Solid concrete block walls with minium characteristic comprehensive strength of. Z.0N/mm2; bedded, jointed and pointed in cement sand (1:3) mortar; reinforced with hoop with hoop iron after every alternate course. 200mm Thick wall below ground 200mm Thick wall above ground Roof construction Notes: Roofing cost includes all timber framing i.e purlins, rafters, base blate according to the design drawing and technical specification. Supply and Fix 28 gauge galvanized iron sheets; fixed to 75x50mm timber purlins, 100x50mm rafters 100x50mm wall plate	m2 m2 m2 m m	34.00 5.60 2.00 5.00 8.00 10.00 20.00 8.00		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
3A.1.7 3A.1.8 3A.1.9 3A.1.10 3A.1.11 3A.1.12 3A.1.12	12 mm diameter bars A142 Mesh reinforcement; B.S. 4483 weighing 2.22 kgs per square meter including bends, tying wire and spacing blocks Fabric mesh reinforcement in slabs Sawn formwork to:- Vertical sides of strip footings Sides and soffites of beams and lintels Edges of 100mm thick floor bed and ramp Block/Brickwork Solid concrete block walls with minium characteristic comprehensive strength of 7.0N/mm2; bedded, jointed and pointed in cement sand (1:3) mortar; reinforced with hoop with hoop iron after every alternate course. 200mm Thick wall below ground 200mm Thick wall above ground Roof construction Notes: Roofing cost includes all timber framing i.e purlins, rafters, base blate according to the design drawing and technical specification. Supply and Fix 28 gauge galvanized iron sheets; fixed to 75x50mm timber purlins, 100x50mm rafters 100x50 wall plate Supply and fix 100x50mm wall plate Supply and fix 100x50mm timber rafters	m2 m	34.00 5.60 2.00 5.00 8.00 10.00 20.00 8.00 10.60 10.60		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
3A.1.7 3A.1.8 3A.1.9 3A.1.10 3A.1.11 3A.1.11	12 mm diameter bars A 142 Mesh reinforcement; B.S. 4483 weighing 2.22 kgs per square meter including bends, tying wire and spacing blocks Fabric mesh reinforcement in slabs Sawn formwork to:- Vertical sides of strip footings Sides and soffites of beams and lintels Edges of 100mm thick floor bed and ramp Block/Brickwork Solid concrete block walls with minium characteristic comprehensive strength of. Z.0N/mm2; bedded, jointed and pointed in cement sand (1:3) mortar; reinforced with hoop with hoop iron after every alternate course. 200mm Thick wall below ground 200mm Thick wall above ground Roof construction Notes: Roofing cost includes all timber framing i.e purlins, rafters, base blate according to the design drawing and technical specification. Supply and Fix 28 gauge galvanized iron sheets; fixed to 75x50mm timber purlins, 100x50mm rafters 100x50mm wall plate	m2 m2 m2 m m	34.00 5.60 2.00 5.00 8.00 10.00 20.00 8.00		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
3A.1.7 3A.1.8 3A.1.9 3A.1.10 3A.1.11 3A.1.12 3A.1.13	12 mm diameter bars A142 Mesh reinforcement; B.S. 4483 weighing 2.22 kgs per square meter including bends, tying wire and spacing blocks Fabric mesh reinforcement in slabs Sawn formwork to:- Vertical sides of strip footings Sides and soffites of beams and lintels Edges of 100mm thick floor bed and ramp Block/Brickwork Solid concrete block walls with minium characteristic comprehensive strength of 7.0N/mm2; bedded, jointed and pointed in cement sand (1:3) mortar; reinforced with hoop with hoop iron after every alternate course. 200mm Thick wall below ground 200mm Thick wall above ground Roof construction Notes: Roofing cost includes all timber framing i.e purlins, rafters, base blate according to the design drawing and technical specification. Supply and Fix 28 gauge galvanized iron sheets; fixed to 75x50mm timber purlins, 100x50mm rafters 100x50 wall plate Supply and fix 100x50mm wall plate Supply and fix 100x50mm timber rafters	m2 m	34.00 5.60 2.00 5.00 8.00 10.00 20.00 8.00 10.60 10.60		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
3A.1.7 3A.1.8 3A.1.9 3A.1.10 3A.1.11 3A.1.12 3A.1.13 3A.1.14 3A.1.15	12 mm diameter bars A142 Mesh reinforcement; B.S. 4483 weighing 2.22 kgs per square meter including bends, tying wire and spacing blocks Fabric mesh reinforcement in slabs Sawn formwork to: Vertical sides of strip footings Sides and soffites of beams and lintels Edges of 100mm thick floor bed and ramp Block/Brickwork Solid concrete block walls with minium characteristic comprehensive strength of 7.0N/mm2; bedded, jointed and pointed in cement sand (1:3) mortar; reinforced with hoop with hoop iron after every alternate course. 200mm Thick wall below ground 200mm Thick wall above ground Roof construction Notes: Roofing cost includes all timber framing i.e purlins, rafters, base blate according to the design drawing and technical specification. Supply and Fix 28 gauge galvanized iron sheets; fixed to 75x50mm timber purlins, 100x50mm rafters 100x50 wall plate and 200x25mm facsia board. Supply and fix 100x50mm timber rafters Supply and fix 100x50mm timber purlins Supply and fix 75x50mm timber purlins Supply and fix 75x50mm timber purlins	m2 m	34.00 5.60 2.00 5.00 8.00 10.00 20.00 8.00 10.60 10.60 12.00		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
3A.1.7 3A.1.8 3A.1.9 3A.1.10 3A.1.11 3A.1.12 3A.1.13 3A.1.14	12 mm diameter bars A 142 Mesh reinforcement; B.S. 4483 weighing 2.22 kgs per square meter including bends, tying wire and spacing blocks Fabric mesh reinforcement in slabs Sawn formwork to:- Vertical sides of strip footings Sides and soffites of beams and lintels Edges of 100mm thick floor bed and ramp Block/Brickwork Solid concrete block walls with minium characteristic comprehensive strength of 7.0N/mm2; bedded, jointed and pointed in cement sand (1:3) mortar; reinforced with hoop with hoop iron after every alternate course. 200mm Thick wall below ground 200mm Thick wall above ground Roof construction Notes: Roofing cost includes all timber framing i.e purlins, rafters, base blate according to the design drawing and technical specification. Supply and Fix 28 gauge galvanized iron sheets; fixed to 75x50mm timber purlins, 100x50mm rafters 100x50mm wall plate Supply and fix 100x50mm wall plate Supply and fix 100x50mm timber rafters Supply and fix 100x50mm timber rafters Supply and fix 200x25mm fascia board Finishes	m2 m	34.00 5.60 2.00 5.00 8.00 10.00 20.00 8.00 10.60 10.60 12.00		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
3A.1.7 3A.1.8 3A.1.9 3A.1.10 3A.1.11 3A.1.12 3A.1.13 3A.1.14 3A.1.15	12 mm diameter bars A142 Mesh reinforcement; B.S. 4483 weighing 2.22 kgs per square meter including bends, tying wire and spacing blocks Fabric mesh reinforcement in slabs Sawn formwork to:- Vertical sides of strip footings Sides and soffites of beams and lintels Edges of 100mm thick floor bed and ramp Block/Brickwork Solid concrete block walls with minium characteristic comprehensive strength of 7.0N/mm2; bedded, jointed and pointed in cement sand (1:3) mortar; reinforced with hoop with hoop iron after every alternate course. 200mm Thick wall below ground Roof construction Notes: Roofing cost includes all timber framing i.e purlins, rafters, base blate according to the design drawing and technical specification. Supply and Fix 28 gauge galvanized iron sheets; fixed to 75x50mm timber purlins, 100x50mm rafters 100x50 wall plate and 200x25mm facsia board. Supply and fix 100x50mm wall plate Supply and fix 100x50mm timber rafters Supply and fix 10x50mm timber rafters Supply and fix 10x50mm fascia board Finishes Exposed wall and beam surfaces: 15mm Cement and sand (1:3) render on concrete work	m2 m	34.00 5.60 2.00 5.00 8.00 10.00 20.00 8.00 10.60 10.60 12.00		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
3A.1.7 3A.1.8 3A.1.9 3A.1.10 3A.1.11 3A.1.12 3A.1.12 3A.1.14 3A.1.15 3A.2	12 mm diameter bars A 142 Mesh reinforcement; B.S. 4483 weighing 2.22 kgs per square meter including bends, tying wire and spacing blocks Fabric mesh reinforcement in slabs Sawn formwork to: Vertical sides of strip footings Sides and soffites of beams and lintels Edges of 100mm thick floor bed and ramp Block/Brickwork Solid concrete block walls with minium characteristic comprehensive strength of 7.0N/mm2; bedded, jointed and pointed in cement sand (1:3) mortar; reinforced with hoop with hoop iron after every alternate course. 200mm Thick wall below ground 200mm Thick wall above ground Roof construction Notes: Roofing cost includes all timber framing i.e purlins, rafters, base blate according to the design drawing and technical specification. Supply and Fix 28 gauge galvanized iron sheets; fixed to 75x50mm timber purlins, 100x50mm rafters 100x50 wall plate and 200x25mm facsia board. Supply and fix 100x50mm timber rafters Supply and fix 100x50mm timber rafters Supply and fix 75x50mm timber purlins Supply and fix 200x25mm fascia board Finishes Exposed wall and beam surfaces: 15mm Cement and sand (1:3) render on concrete work to:	m2 m2 m2 m m m2 m2 m2 m2 m2 m2 m2 m2	34.00 5.60 2.00 5.00 8.00 10.00 20.00 8.00 10.60 10.60 10.60		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
3A.1.7 3A.1.8 3A.1.9 3A.1.10 3A.1.11 3A.1.12 3A.1.12 3A.1.13 3A.1.14 3A.1.15	12 mm diameter bars A 142 Mesh reinforcement; B.S. 4483 weighing 2.22 kgs per square meter including bends, tying wire and spacing blocks Fabric mesh reinforcement in slabs Sawn formwork to: Vertical sides of strip footings Sides and soffites of beams and lintels Edges of 100mm thick floor bed and ramp Block/Brickwork Solid concrete block walls with minium characteristic comprehensive strength of 7.0N/mm2; bedded, jointed and pointed in cement sand (1:3) mortar; reinforced with hoop with hoop iron after every alternate course. 200mm Thick wall below ground 200mm Thick wall above ground Roof construction Notes: Roofing cost includes all timber framing i.e purlins, rafters, base blate according to the design drawing and technical specification. Supply and Fix 28 gauge galvanized iron sheets; fixed to 75x50mm timber purlins, 100x50mm rafters 100x50 wall plate and 200x25mm facsia board. Supply and fix 100x50mm timber rafters Supply and fix 100x50mm timber rafters Supply and fix 75x50mm timber rafters Supply and fix 75x50mm timber purlins Supply and fix 20x25mm fascia board Finishes Exposed wall and beam surfaces: 15mm Cement and sand (1:3) render on concrete work fo:- Wall surfaces (both sides)	m2 m	34.00 5.60 2.00 5.00 8.00 10.00 20.00 8.00 10.60 10.60 12.00		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
3A.1.7 3A.1.8 3A.1.9 3A.1.10 3A.1.11 3A.1.12 3A.1.13 3A.1.14 3A.1.15 3A.2	12 mm diameter bars A 142 Mesh reinforcement; B.S. 4483 weighing 2.22 kgs per square meter including bends, tying wire and spacing blocks Fabric mesh reinforcement in slabs Sawn formwork to:- Vertical sides of strip footings Sides and soffites of beams and lintels Edges of 100mm thick floor bed and ramp Block/Brickwork Solid concrete block walls with minium characteristic comprehensive strength of 7.0N/mm2; bedded, jointed and pointed in cement sand (1.3) mortar; reinforced with hoop with hoop iron after every alternate course. 200mm Thick wall below ground 200mm Thick wall above ground Roof construction Notes: Roofing cost includes all timber framing i.e purlins, rafters, base blate according to the design drawing and technical specification. Supply and fix 28 gauge galvanized iron sheets; fixed to 75x50mm timber purlins, 100x50mm rafters 100x50 wall plate and 200x25mm facsia board. Supply and fix 100x50mm wall plate Supply and fix 100x50mm timber rafters Supply and fix 100x50mm timber rafters Supply and fix 200x25mm fascia board Finishes Exposed wall and beam surfaces: 15mm Cement and sand (1:3) render on concrete work fo:- Wall surfaces (both sides)	m2 m2 m2 m m m2 m2 m2 m2 m2 m2 m2 m2	34.00 5.60 2.00 5.00 8.00 10.00 20.00 8.00 10.60 10.60 10.60		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
3A.1.7 3A.1.8 3A.1.9 3A.1.10 3A.1.11 3A.1.12 3A.1.13 3A.1.14 3A.1.15 3A.2	12 mm diameter bars A142 Mesh reinforcement; B.S. 4483 weighing 2.22 kgs per square meter including bends, tying wire and spacing blocks Fabric mesh reinforcement in slabs Sawn formwork to:- Vertical sides of strip footings Sides and soffites of beams and lintels Edges of 100mm thick floor bed and ramp Block/Brickwork Solid concrete block walls with minium characteristic comprehensive strength of 7.0N/mm2; bedded, jointed and pointed in cement sand (1:3) mortar; reinforced with hoop with hoop iron after every alternate course. 200mm Thick wall below ground 200mm Thick wall above ground Roof construction Notes: Roofing cost includes all timber framing i.e purlins, rafters, base blate according to the design drawing and technical specification. Supply and Fix 28 gauge galvanized iron sheets; fixed to 75x50mm timber purlins, 100x50mm rafters 100x50 wall plate and 200x25mm facsia board. Supply and fix 100x50mm wall plate Supply and fix 100x50mm timber rafters Supply and fix 75x50mm timber purlins Supply and fix 75x50mm timber secial board Finishes Exposed wall and beam surfaces: 15mm Cement and sand (1:3) render on concrete work fo:- Wall surfaces (both sides) Sand surfaces and fill uneven surfaces with stucco filler paste: prepare and apply two undercoats of premium quality cream (RAL 9001) paint and two coats of premium quality	m2 m2 m2 m m m2 m2 m2 m2 m2 m2 m2 m2	34.00 5.60 2.00 5.00 8.00 10.00 20.00 8.00 10.60 10.60 10.60		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
3A.1.7 3A.1.8 3A.1.9 3A.1.10 3A.1.11 3A.1.12 3A.1.13 3A.1.14 3A.1.15 3A.2	12 mm diameter bars A 142 Mesh reinforcement; B.S. 4483 weighing 2.22 kgs per square meter including bends, tying wire and spacing blocks Fabric mesh reinforcement in slabs Sawn formwork to: Vertical sides of strip footings Sides and soffites of beams and lintels Edges of 100mm thick floor bed and ramp Block/Brickwork Solid concrete block walls with minium characteristic comprehensive strength of 7.0N/mm2; bedded, jointed and pointed in cement sand (1:3) mortar; reinforced with hoop with hoop iron after every alternate course. 200mm Thick wall below ground 200mm Thick wall above ground Roof construction Notes: Roofing cost includes all timber framing i.e purlins, rafters, base blate according to the design drawing and technical specification. Supply and Fix 28 gauge galvanized iron sheets; fixed to 75x50mm timber purlins, 100x50mm rafters 100x50 wall plate and 200x25mm facsia board. Supply and fix 100x50mm timber rafters Supply and fix 100x50mm timber rafters Supply and fix 100x50mm timber rafters Supply and fix 200x25mm fascia board Finishes Exposed wall and beam surfaces: 15mm Cement and sand (1:3) render on concrete work to: Wall surfaces (both sides) Sand surfaces and fill uneven surfaces with stucco filler paste; prepare and apply two undercoats of premium quality cream (RAL 9001) paint and two coats of premium quality weather proof permaplast reisn based acrylic paint to:	m2 m2 m2 m2 m2 m2 m2 m m2 m2 m2 m2 m2 m2	34.00 5.60 2.00 5.00 8.00 10.00 20.00 8.00 10.60 10.60 10.60 10.60 42.00		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
3A.1.7 3A.1.8 3A.1.9 3A.1.10 3A.1.11 3A.1.12 3A.1.13 3A.1.14 3A.1.15 3A.2	12 mm diameter bars A142 Mesh reinforcement; B.S. 4483 weighing 2.22 kgs per square meter including bends, tying wire and spacing blocks Fabric mesh reinforcement in slabs Sawn formwork to:- Vertical sides of strip footings Sides and soffites of beams and lintels Edges of 100mm thick floor bed and ramp Block/Brickwork Solid concrete block walls with minium characteristic comprehensive strength of 7.0N/mm2; bedded, jointed and pointed in cement sand (1:3) mortar; reinforced with hoop with hoop iron after every alternate course. 200mm Thick wall below ground 200mm Thick wall above ground Roof construction Notes: Roofing cost includes all timber framing i.e purlins, rafters, base blate according to the design drawing and technical specification. Supply and Fix 28 gauge galvanized iron sheets; fixed to 75x50mm timber purlins, 100x50mm rafters 100x50 wall plate and 200x25mm facsia board. Supply and fix 100x50mm wall plate Supply and fix 100x50mm timber rafters Supply and fix 75x50mm timber purlins Supply and fix 75x50mm timber secial board Finishes Exposed wall and beam surfaces: 15mm Cement and sand (1:3) render on concrete work fo:- Wall surfaces (both sides) Sand surfaces and fill uneven surfaces with stucco filler paste: prepare and apply two undercoats of premium quality cream (RAL 9001) paint and two coats of premium quality	m2 m2 m2 m m m2 m2 m2 m2 m2 m2 m2 m2	34.00 5.60 2.00 5.00 8.00 10.00 20.00 8.00 10.60 10.60 10.60		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	

	T	1 -			
3A.2.3	50mm Thick screed, finished with steel trowel	m2	4.00		\$ -
3A.2.4	6 Talbot Talflow self-closing taps each in hollow block and concrete masonry	Each	2.00		\$ -
3A.3	Steel Grill Window and Door				\$ -
	Mild steel grill door made out of cold rolled steel sections thoroughly cleaned and				
	phosphatized to resist corrosion before receiving two coat of rust inhibiting primer				
	Door shutter made out of 10x10mm solid mild steel grilles hexagonal cage comprising of				
	0.5mm thick mild thick steel plate panels (300mm high middle parts); all welded to 40x40x3mm SHS frame and 20x20x3mm SHS intermediate frame; fixed to 40x40x5mm				
	thick angle mild steel RHS external frame grouted below finished floor level as per the				
	details and fixed to walls: All iron mongery and lugs fixed to manufacturer's specifications				
	(See details provided)				
3A.3.1	Single leaf door overall size 800x2100mm high	Each	1.00		\$ -
3A.3.2	Window made of rolling metal shutters overall size 1600x900mm high	Each	1.00		\$ -
3A.3.3	Metal grid mesh to cover 2800x300mm wide water channel.	m2	3.36		\$ -
3A.3.4	Wetai gild mesii to cover 2000x300miii wide water channer.	1112	5.50		\$ -
0, 1101 1					\$ -
BILL NO. 3B	EXCAVATION AND CONSTRUCTION OF SOAK AWAY PITS AT HAI JEDID VILLAGE,HAI DINKA PHCU ,LOKOLOKO PHCC AND LOKOLOKO SECONDARY SCHOOL -WAU NORTH PAYAM				•
3B.1	Excavation				\$
3B.1.1	Excavate for soak pit; 0-1.50m deep	m³	3.00		\$
3B.1.2	Ditto; 1.5- 2.5m deep	m³	2.00		\$
3B.2	Disposal				\$
3B.2.1	Load and cart away surplus spoil	m³	2.00		\$ -
3B.2.2	Backfill selected and approved excavated materials around foundations	m³	3.00		\$ -
3B.3	Block/Brickwork				\$ -
	Burnt brick walling; bedding, jointing and pointing in cement sand (1:3) mortar				
3B.3.1	200 mm thick wall	m²	5.00		\$ -
3B.4	Selected filling				\$ -
3B.4.1	Aggregate filling into the soak pit of size 20-30mm; 0 - 0.7m deep	m3	1.24		\$ -
3B.4.2	Hardcore fillings into the soak pit; from 0.7 - 2.5m	m3	5.00		\$ -
3B.5	Covers				\$ -
3B.5.1	Provide and install plastic cover topped with soil above the soak pit.	nr	1.00		\$ -
3B.6	Sundries				\$ -
3B.6.1	Allow for making 150 mm diameter openings in 200 mm clay brick walling	nr	1.00		\$ -
					\$ -
BILL NO. 3C	CONSTRUCTION OF 3 WATER POINTS EACH OF 4 TALBOLT TALFLOW SELF CLOSING TAPS IN HOLLOW BLOCK CONCRETE MASONRY AND FENCED WITH CHAIN LINK AT HAI DINKA PHCU ,LOKOLOKO PHCC AND LOKOLOKO SECONDARY SCHOOL.				
3C.1	Excavation and Earthwork				\$ -
3C.1.1	Excavate to remove top vegetable soil, average 200mm deep	m2	3.00		\$ -
	Excavate in soft material for foundation wall and strip footings, 0 to 1.0 m deep starting	m3	3.00		\$ -
3C.1.2	from stripped levels				
	Backfilling				
3C.1.3	Return, fill in and ram selected excavated material around foundations	m3	1.00		\$ -
	Disposal of Surplus spoil				
		m3	2.00		\$ -
3C.1.4	Load and cart away surplus excavated material from site to an approved dumping site				
	Selected filling				
	Approved filling, well watered and compacted in layers not exceeding 150mm deep [under	m3	3.00		\$
3C.1.5	floor slabs and ramp]				
3C.1.6	50mm Thick quarry dust blinding to surfaces of hardcore [under floor slabs]	m2	9.00		\$
	Anti-termite treatment				
	Chemical anti-termite treatment as "Premise 200 SC" or other equal and approved	m2	9.00		\$ -
	executed complete by an approved specialist under a ten (10) year guarantee [Under				
3C.1.7	ramps, steps and paving slabs]				
	Damp proof membrane				
	1000 Gauge polythene or other equal and approved damp proof membrane laid under	m2	2.00		\$ -
3C.1.8	surface bed with 300mm side and end laps				
3C.2	Concrete and Brick work				\$ -
	Plain concrete class 15 (mix 1:3:6)		ļ		
3C.2.1	50mm Thick Blinding under foundations	m2	1.00		\$ -
	Insitu concrete class 25, vibrated and reinforced as described, in:-				\$ -
3C.2.2	Strip footing	m3	1.00		\$ -
3C.2.3	Ramp	m2	5.00		\$ -
3C.2.4	200mm Thick floor slab	m2	5.00		\$ -
	Reinforcement				•
	A142 Mesh reinforcement ; B.S. 4483 weighing 2.22 kgs per square meter including				\$ -
20.05	bends, tying wire and spacing blocks	m-O	E 00	-	\$ -
3C.2.5	Fabric mesh reinforcement in slabs	m2	5.00		\$ -
20.22	Sawn formwork to:-		2.00		¢
3C.2.6	Vertical sides of strip footings	m2	2.00	 	-
3C.2.7	Edges of 100mm thick floor bed and ramp	m	8.00		\$ -
	Block/Brickwork				
•	Solid concrete block walls with minium characteristic comprehensive strength of				
1		Ī			
	7.0N/mm2; bedded, jointed and rendered in cement sand (1:3) mortar; reinforced with			1	
30.20	hoop iron after every alternate course.	m?	2.00		•
3C.2.8	hoop iron after every alternate course. 200mm Thick wall below ground	m2	2.00		\$ -
3C.2.9	hoop iron after every alternate course. 200mm Thick wall below ground 200mm Thick wall above ground	m2 m2	2.00 2.00		\$ -
	hoop iron after every alternate course. 200mm Thick wall below ground 200mm Thick wall above ground Finishes				
3C.2.9	hoop iron after every alternate course. 200mm Thick wall below ground 200mm Thick wall above ground Finishes Exposed wall and beam surfaces: 15mm Cement and sand (1:3) render on concrete work				\$ -
3C.2.9 3C.3	hoop iron after every alternate course. 200mm Thick wall below ground 200mm Thick wall above ground Finishes Exposed wall and beam surfaces: 15mm Cement and sand (1:3) render on concrete work to:-	m2	2.00		\$ - \$ -
3C.2.9	hoop iron after every alternate course. 200mm Thick wall below ground 200mm Thick wall above ground Finishes Exposed wall and beam surfaces: 15mm Cement and sand (1:3) render on concrete work to:- Wall surfaces (both sides)				\$ - \$ -
3C.2.9 3C.3	hoop iron after every alternate course. 200mm Thick wall below ground 200mm Thick wall above ground Finishes Exposed wall and beam surfaces: 15mm Cement and sand (1:3) render on concrete work to:-	m2	2.00		\$ - \$ -

00.00	FO THE 15	0	4.00	T	I e
3C.3.2 3C.3.3	50mm Thick screed, finished with steel trowel 4 Talbot Talflow self-closing taps each in hollow block and concrete masonry	m2 Each	4.00 1.00		\$ - \$ -
3C.4	Chainlink fencing	Lucii	1.00		\$ -
	Chainlink fence all around the water point and the top- 2.5x2.5m (10metres perimeter)				
	12. 1200mm wide x 2000mm high door for pedestrican access Supply and installation circular steel hollow section tubes of 50mm diameter by 3mm		10.00		\$ -
	thickness casted in 500mm mass concrete (concrete costed seperately) approximately	m	10.00		•
3C.4.1	2.5m each pipe long, around the water point.				
3C.4.2	40x40x3mm rolled steel angle top rail welded Supply and fix 2000mm high galvanised chain-link fencing (diamond wire mesh), opening	m	8.00 17.00		\$ - \$ -
	50x50mm, wire 3mm, heavy duty chain-link fencing fixed on steel pipe columns to cover all	m2	17.00		-
3C.4.3	sides of the water point and the top.				
	Single leaf gate overall size 1200x2000mm high; comprising 75x50x3mm frame fixed with	Nr	1.00		\$ -
3C.4.4	chain-link fencing heavy duty slide bolt assembled with 4mm thick steel hasp and padlock;	141			
ITEM	Description	Unit	QTY	Unit Cost [USD]	Total cost (USD)
	BoQ FOR CONSTRUCTION OF 20 CUBIC STORAGE WATER YARD, AND INSTALLATION OF SUBMERSIBLE PUMP POWERED BY SOLAR SYSTEM AT HAI				-
BILL NO. 4A	JEDID VILLAGE-WAU				
4A.0	Water yard construction and installation of subersible pump powered by solar				\$ -
	system at Hai Jedid Village	LS	1		\$ -
	Supply and install a Dayliff or Lorentz solar system providing at least 36m3/day	Lo	'		-
	considering the peak sunhours of sunshine per day. The submersible pump size shall be decided after the test pumping results and designing the water supply solar system in				
4A.1	which case a VO may be issued. The system shall comprise of a submersible pump and				
77.1	well probe,(borehole presure sensor) float switch, smart PSU with wireless data connect,				
	PV Disconnect, surge protector and lighting arrestor with a minimum of 1 piece of 8-foot copper-plated grounding rod. Design of the solar system needs to be inspected and				
	validated by IOM prior to procurement and installation.				
	Supply and install a parallel series solar pannels certified to ISO, IEC 61215 and 61730	LS	1		\$ -
	(TÜV Rheinland) and CE oversized by 1.2 to 1.3 times the motor size. The solar panels				
4A.2	shall be mounted facing south and a tilt angle of not less than 7deg and not exceeding 15 degree, mounted onto a fabricated frame above the storage tanks. NB:The actual				
	configuration of the solars shall be decided after the water supply solar system design in				
	which case a VO may be issued.				
4A.3	Horizontal installation of 4 flow meters, at the inlet of the storage, and 1 per water kiosk.	pcs	3		\$ -
	Supply and installation of 6.0 matra high matalia stand towar for tank, availy acceted with	LS	1		\$ -
	Supply and installation of 6.0 metre high metalic stand tower for tank, evenly coated with a layer of anti-oxide paint and overlayed with an additional coating of grey/silver paint and				
	fitted with a hooped cat-ladder, top walkways of 2.1mm thickness and safety hand railings.				
4A.4	Tower to comply to manufacturing standards:				
	Dead/Live load analysis to BS 6399. Wind load analysis to CP3 ch V 1972.				
	Structural steel work to BS 5950 Part 1 1990.				
	Supply and installation of 20 Cubic meter steel tank with a free boat of 300mm. The tank	Each	1		\$ -
	shall be constructed of mild steel pressed panels of 6mm thick for the bottom, first layer of				
	panels and 5mm thickness for the top layer of panels and include internal bracings,				
	brackets and a calibrated level indicator with a 1.5mm thick mild steel roof cover, thermo- resistant sealant, coated with 2 layers of black bituminous paint on the inside, a single				
4A.5	layer of zinc phosphate primer on the outside covered with a single layer of silver				
	Aluminium paint. NB: The tank capacity and material may be changed after pumping test				
	results and water quality analysis results in which case a VO may be issuedFor subprojects located in deep field locations it may inconvinience the contractor interms of				
	mobilization				
	Supply and install 2-1/2" HDPE underground distribution and uPVC, PPR class 10 above	m	300		\$ -
4A.6	ground pipeline and fittings including GI pipe for the tank outlet/ back wash and overflow.	***	000		•
44.0	NB: The pipe size may also be changed after the water supply solar system design in				
	which case a VO may be issued. WATER YARD SITE LAYOUT				
	The borehole shall be fitted with a well head casted in a concrete platform of minimum	LS	1		\$ -
4A.7	0.3m height and protected by a man hole height not less than 800mm ms with a cast iron				
	trap fitted with a lockable system. 600mm x 600mm man hole of height not less than 800mm off setting by 200mm above	NO	1		\$ -
4A.8	ground level with a lockable steel cover shall be constructed to enclose, protect and ease	110	'		1
	monitoring of flow meter.	•	410.5-		
4A.9	Levelling of the site and laying a 300mm thick in layers n.e. 100mm thick, well compacted	m2	110.25		\$ -
	murram of 60% minimum aggregate approved by the IOM Supervisor prior to installation.				
	REPORTING Submit GOSS well completion report and IOM reporting template, including results of	No	1		\$ -
4A.10	water quality analysis.	INO	'		-
	CONSTRUCTION OF CHAINLINK FENCE (10X10M) WITH PEDESTAL ACCESS GATE				\$ -
BILL NO. 4B	AT HAI JEDID VILLAGE-WAU Notes:				
	Notes: 1. Chainlink fence all around the site- Approx. 40 metres perimeter.				
	2. 1200mm wide x 2000 mm high Gate for pedestrican access				
	Chainlink fencing				
4B.1.1	Excavation Excavate for stub-columns not exceeding 1000mm from ground level and cart away	m3	2		\$ -
70.1.1	arisings (average depth 0.5m)	1110			
4B.1.2	Remove and cart away from site surplus excavated material as directed	m3	2		\$ -
4B.2	Mass concrete grade cube test M15(1:2:4):- Mass concrete blinding class 10 (1:3:6):-				
	made controlle billiality class to (1.3.0).		1	l .	1

48.2.1 Schrein hick still place (100mm visib) under some development are described, ex- 63.2 Sent formwork in 2. 48.2.3 Vertical sold of off to be to [P. 2mm grm] method of the sent sold of t
22 Column takes and Sub-column briefly organizational column to the
Seven Formwork Rich
48.3.1 Volintial addies of strip bases (0.75mm girth) 48.2.5 Volential addies of columns between the season of the
48.2.5 Verifical sides of column below ground 1 48.2.6 In the control of the column below ground 1 Abortive statement 1 Abortive stateme
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Figure Names as seed reinforcement of S. S. 449 in should all concrete work acciding cutting 48.2.0 3 mm character bars 5 mm character bars 5 mm character bars 5 mm character bars 7 mm
AB 2.6 S
48.3.6 8 mm diameter bases kg 35 \$ \$ \$ \$ \$ \$ \$ \$ \$
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Proceedings
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An as seed sections to be thromosphic cleaned and incombatilized for resist. corrosion before, coccurring 2 undercostal of chroms, maint published control. 2 cells of maint shifts of seed and control. 48.3.1 SUSSION-min Thick rolled steel angle column posts, fixed into 500mm deep concrete bases encouraged and provided college of seed and provided colors. Sam Internal formation and the seed of the s
All seed sections to the throughful cleaned and chapelatered for resist corrosion before, another seed to prove that the control of the control of the control of province and province and the control of the control of province and the control of
Standard with 2 coast of premature qualify of based acrylic paint of approved policy and provided
4B.3.1 S0x50x4mm Thick rolled steel angle column posts; fixed into 500mm deep concrete bases incorrect bases (concrete bases) (concrete bases) (concrete bases (concrete bases) (concre
Concrete bases measured separately) (Total of 36no. Angle posts each approx. 3.5m broigh
(concrete bases measured separately) [Total of 36no. Angle posts each approx. 3.5m [bota] 48.3.2 Extra for diagonal bracing cables of corner/ end posts, approximately 4250mm long each Nr 8 \$ \$ \$\$15000mm, bracing thick rolled steel angle copping plate welded on top of steel posts (measured Nr 18 \$ \$\$25000mm, bracing thick rolled steel angle copping plate welded on top of steel posts (measured Nr 18 \$ \$\$48.3.4 40x000mm rolled steel angle top rail welded
Response
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ABJ.3.3 SOSOWARM Trick rolled steel angle copping plate weided on top of steel posts (measured separately) 4BJ.3.4 A0x40/3mm rolled steel angle top rail welded measured separately) 4BJ.3.4 A0x40/3mm rolled steel angle top rail welded measured separately and the 200mm high galvanised chain-link fencing (diamond wire mesh), opening measured social measured separately) 7BJ.3.5 Supply and fix 200mm high galvanised chain-link fencing (diamond wire mesh), opening measured separately) 8BJ.3.5 Supply and fix 200mm high galvanised chain-link fencing fixed on steel angle and steel angle and steel columns at 1500mm centres (columns measured separately) 7BJ.3.5 Tolled the steel of the
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48.3.5 Supply and fix 2000mm high galvanised chain-link fencing (diamond wire mesh), opening 50x50mm, wire 3mm, field to steel heavy duty chain-link fencing fixed on steel angle columns at 1500mm centree (columns measured separately) Razor wire on top of pedestal access gate 48.3.6 Razor wire on top of pedestal access gate 700mm diameter Razor wire mounted on top of gate using and including 40x40x3mm steel angle angle base welded on top of the gate at 50mm centree as detailed 48.3.7 Razor wire on top of chain-link fence & pedestral access gate 700mm diameter Razor wire mounted on top of gate using and including 40x40x3mm steel angle bars welded at 1500mm centree as detailed 8 Razor wire on top of chain-link fence & pedestral access gate 700mm diameter Razor wire mounted on top of gate using and including 40x40x3mm steel angle bars welded at 1500mm centrees to coping bar over chain-link fence (coping angle to the steel angle bars seasured with razor wire above) 8 Razor wire on top of chain-link fence & pedestral access gate 700mm diameter Razor wire mounted in the steel angle bars measured with razor wire above) 8 Steel angle bars steel angle bars measured with razor wire above) 9 Redissal access gene 1200x200mm 10 Redissal access gene 1200x200mm gene access gene 1200x200mm 10 Redissal access gene 1200x200mm gene access gene 1200x200mm 10 Redissal access gene 1200x200mm gene access gene 1200x200mm 10 Redissal access gene 1200x200mm gene access gene 1200x200mm 10 Redissal access gene 1200x200mm gene access gene 1200x20
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columns at 1500mm centres (columns measured separately) Razor wife on top of pedestal access gate 4B.3.6 700mm diameter Razor wire mounted on top of gate using and including 40x40x3mm steel angle bars wisided on top of the gate at 50mm centres as detailed Razor wire on top of chain-link fence & pedestral access gate 4B.3.7 700mm diameter Razor wire mounted on top of gate using and including 40x40x3mm steel angle bars wisided at 1500mm centres to coping bar over chain-link fence (coping measured separately) 4B.3.8 Supply and its fibo. Strands of Galvanized plane tension wire fixed through 40x40x3mm mm mm steel angle bars visided at 1500mm centres to coping bar over chain-link fence (coping measured separately) Fedestal access gate 1200x200mm Refer to provided details) Milit steel planet gate made out of cold milled steel sections; thoroughly cleaned and phosphatized to resist corrollor before receiving 2 undercoast of brown nat inhibition, parinar? 2 casts of premium quality of based, acrylic part of disprovad colour. AB.3.9 Single leaf gate overall size 1200x200mm RFS colourum (RFS colourum (LFS) bars fixed to 7550x3mm (LFS) soloural frame to be fixed to 100x100x4mm RFS colourum (LFS) part of disprovad colour fixed through through the security through the securi
4B.3.6 200mm diameter Razor wire mounted on top of gate using and including 40x40x3mm steet angle bars welded on top of the gate at 50mm centres as detailed Razor wire on top of chain-link fence & pedestral access gate and including 40x40x3mm steet angle bars welded on top of the gate using and including 40x40x3mm steet angle bars welded at 1500mm centres to coping bar over chain-link fence (coping measured separately) Research wire mounted on top of gate using and including 40x40x3mm steet angle bars welded at 1500mm centres to coping bar over chain-link fence (coping measured separately) Research of the Supply and fix 6No. Strands of Galvanized plane tension wire fixed through 40x40x3mm and the steel angle bars (steel angle bars measured with razor wire above) Pedestatal access gate 1200x2000mm Refer to provided details] Mild steel blated and made out of cold rolled steel sections: thoroughly cleaned and phosphatized to resist corrosion before receiving 2 undercooks of brown rust inhibiting principle. In the steel of the steel sections of premium quality of based acrofic paint of approved colcular Gate made out of 25x25xmm before receiving 2 undercooks of brown rust inhibiting. Risk setteral frame and 50x50xmm stiffs middle stiller which steel leads to 75x50xmm made and finished with 2 coats of premium quality of based acrofic paint of approved colcular Gate made out of 25x25xmm before receiving 2 undercooks of brown rust inhibiting. Application on each leaf. External frame and 50x50xmm stiffs middle stiller which behave duth security of the section of the details. 4B.3.9 Single leaf gate overall size 1200x2000mm light, comprising heavy duty slide bott and the section of the s
angle bars welded on top of the gate at 50mm centres as detailed Razor wire on top of chain-link fence & pedestral access gate 4B.3.7 GYORm diameter Razor wire mounted on top of gate using and including 40x40x3mm steel angle bars welded at 1500mm centres to coping bar over chain-link fence (coping measured sparately) 4B.3.8 Supply and fix 6No. Strands of Galvanized plane tension wire fixed through 40x40x3mm steel angle bars (steel angle bars measured with razor wire above) Pedestral access gates 1200x2000mm Refer to provided details] Milid steel pisted gates made out of cold rolled steel sactions: throoughth cleaned and throoshinateed for resist corossion before receiving 2 undercease of brown rast inhibiting primare. 2 cells of mater white oil particular and insisted with 2 cells of premium guality oil based, ascribic paint of approved colcul. Gate mede and 252c59xmm thek intermediate vertical SHS bars fixed to 75x50x3mm. Risk central trans and 50x50x3mm SHS middle site. 4No. heavy duty security hings, or each half. External trans to be fixed to 10x0x4mm RHS collaring firms) part flag details. 4B.3.9 Single leaf gate overall size 1200x2000mm high; comprising heavy duty saide bolt security and the steel of 10x0x4mm RHS collaring firms) part flag details. Biblio No. Single leaf gate overall size 1200x2000mm high; comprising heavy duty slide bolt sessenth increase. TITEM Description Boo FOR UPGRADING A HANDPUMP TO 5 CUBIC STORAGE WATER YARD AT HAIDINKA PHCULONGLOKO PHCC AND LONGLOKO SECONDARY SCHOOL, WAU NORTH PAXM, WAU COUNTY Handpump dismantle \$ Carefully dimantle the existing handpump by removal of head assembly, water tank assembly, fires main pipes and connecting rods, cylinder assemply), handover to the local authority all the removed items in the presence of IOM ECRP Engineer. Pump testing conduct gate privation and connecting rods, cylinder assemply), handover to the local authority all the removed items in the presence of IOM ECRP Engineer. Pump testing of conducting the provide a vield
ABAST Wire on top of Chain-link fence & pedestral access gate ### ABAST 700mm diameter Razor wire mounted on top of gate using and including 40x40x3mm steel angle bars welded at 1500mm centres to coping bar over chain-link fence (coping measured separately) ### ABAST 8 Supply and fix 6No. Strands of Galvanized plane tension wire fixed through 40x40x3mm m 120 \$ ### Supply and fix 6No. Strands of Galvanized plane tension wire fixed through 40x40x3mm m 120 \$ ### Supply and fix 6No. Strands of Galvanized plane tension wire fixed through 40x40x3mm m 120 \$ ### Basta 8 Supply and fix 6No. Strands of Galvanized plane tension wire fixed through 40x40x3mm m 120 \$ ### Basta 8 Supply and fix 6No. Strands of Galvanized plane tension wire fixed through 40x40x3mm m 120 \$ ### Basta 9 Fedestal access gate 1200x2000mm ### Galvania 9 Fedestal 1200x2000mm ### Basta 9 Single leaf gate overall size 1200x2000mm high: comprising heavy duty slote bolt assembled with 4rm thick steel hasp and padiock; 1No. Tower bolt ### Description ### Basta 9 Single leaf gate overall size 1200x2000mm high: comprising heavy duty slide bolt assembled with 4rm thick steel hasp and padiock; 1No. Tower bolt ### Basta 9 Single leaf gate overall size 1200x2000mm high: comprising heavy duty slide bolt assembled with 4rm thick steel hasp and padiock; 1No. Tower bolt ### Description ### Basta 9 Single leaf gate overall size 1200x2000mm high: comprising heavy duty slide bolt assembled with 4rm thick steel hasp and padiock; 1No. Tower bolt ### Description ### Basta 9 Single leaf gate overall size 1200x2000mm high: comprising heavy duty slide bolt assembly water tank assembly water tank assembly water tank assembly water tank assembly size main pipes and connecting rods, cylinder assemply, headover to the local authority all the removed items in the presence of IOM /ECRP Engineer. ### Pump testing ### Conduct step drawdown and recovery t
4B.3.7 700mm dameter Razor wire mounted on top of gate using and including 40x40x3mm steel angle bars welded at 1500mm earters to coping bar over chain-link fence (coping measured separately) 4B.3.8 Supply and fix 6No. Strands of Galvanized plane tension wire fixed through 40x40x3mm steel angle bars (steel angle bars (steel angle bars measured with razor wire above) Pedestal angle bars (steel angle bars measured with razor wire above) Pedestal access gate 1200x2000mm Refer to provided details) Mild steel blated gate made out of cold rolled steel sections: thoroughly cleaned and phosphalized to resist correction before receiving 2 undercoats of brown rust inhibiting primer. 2 oats of matt white oil baint and finished with 2 coats of premium quality oil based acrylic paint of approved colour. Gate made out of 25x25xmm thick intermediate vertical SHS bars fixed to 75x50xmm RHS external frame and 5x05x5xmm SHS models site. 4No. heave duty security hiness, on each leaf. External frame to be fixed to 100x100x4mm RHS columns (ms.) per the details 4B.3.9 Single leaf gate overall size 1200x2000mm high; comprising heavy duty slide bolt assembled with 4mm thick steel hasp and padlock; 1No. Tower bolt ITEM Description BOG FOR UPGRADING A HANDPUMP TO 5 CUBIC STORAGE WATER YARD AT HAI DINKA PHCULOKOLOKO PHCC AND LOKOLOKO SECONDARY SCHOOL, wAU NORTH PAYAM, WAU COUNTY Handpump dismantle 5C.4. Carefully dimantle the existing handpump by removal of head assembly, water tank assembly, hier main pipes and connecting rods, cylinder assemply handover to the local authority all the removed items in the presence of IOM ACCRP Engineer. Pump testing Conduct step forwdown and recovery test as per TOR specification. hr 8 SC.2. Conducts day frawdown and recovery test as per TOR specification. hr 8 SC.3. Conduct del testing using portable water quality standards and report shared to IOMECRP infrastructure technical lead 5C.5. Conduct field testing using portable water quality testing equipment for EC, TDS, Tarperature, PH a
4B.3.7 700mm dameter Razor wire mounted on top of gate using and including 40x40x3mm steel angle bars welded at 1500mm earters to coping bar over chain-link fence (coping measured separately) 4B.3.8 Supply and fix 6No. Strands of Galvanized plane tension wire fixed through 40x40x3mm steel angle bars (steel angle bars (steel angle bars measured with razor wire above) Pedestal angle bars (steel angle bars measured with razor wire above) Pedestal access gate 1200x2000mm Refer to provided details) Mild steel blated gate made out of cold rolled steel sections: thoroughly cleaned and phosphalized to resist correction before receiving 2 undercoats of brown rust inhibiting primer. 2 oats of matt white oil baint and finished with 2 coats of premium quality oil based acrylic paint of approved colour. Gate made out of 25x25xmm thick intermediate vertical SHS bars fixed to 75x50xmm RHS external frame and 5x05x5xmm SHS models site. 4No. heave duty security hiness, on each leaf. External frame to be fixed to 100x100x4mm RHS columns (ms.) per the details 4B.3.9 Single leaf gate overall size 1200x2000mm high; comprising heavy duty slide bolt assembled with 4mm thick steel hasp and padlock; 1No. Tower bolt ITEM Description BOG FOR UPGRADING A HANDPUMP TO 5 CUBIC STORAGE WATER YARD AT HAI DINKA PHCULOKOLOKO PHCC AND LOKOLOKO SECONDARY SCHOOL, wAU NORTH PAYAM, WAU COUNTY Handpump dismantle 5C.4. Carefully dimantle the existing handpump by removal of head assembly, water tank assembly, hier main pipes and connecting rods, cylinder assemply handover to the local authority all the removed items in the presence of IOM ACCRP Engineer. Pump testing Conduct step forwdown and recovery test as per TOR specification. hr 8 SC.2. Conducts day frawdown and recovery test as per TOR specification. hr 8 SC.3. Conduct del testing using portable water quality standards and report shared to IOMECRP infrastructure technical lead 5C.5. Conduct field testing using portable water quality testing equipment for EC, TDS, Tarperature, PH a
angle bars welded at 1500mm centres to coping bar over chain-link fence (coping measured sparately) 4B.3.8 Supply and fix RNo. Strands of Galvanized plane tension wire fixed through 40x40x3mm steel angle bars (steel angle bars measured with razor wire above) Pedestal access gate 12002000mm [Refer to provided details] Mild steel plated gate made out of cold rolled steel sections: thoroughly cleaned and phosphatized to resist corrosion before receiving 2 undercoats of brown rust inhibiting primer, 2 oats of mat white to lapin and finished with 2 coats of premium guality of based, acrylic paint of approved colour. Gate made out of 25x55xmm thick intermediate vertical SHS bars fixed to 75x50x3mm RHS external frame and 50x50x3mm SHS middle site. 4No. heavy duty security hinges on each leaf. External frame to be fixed to 100x100x4mm RHS columns (m.s) per the details Single leaf gate overall size 1200x2000mm high; comprising heavy duty slide bolt assembled with 4mm thick steel hasp and padlock; 1No. Tower bolt ITEM Description Description Description Description BOA FOR UPGRADING A HANDPUMP TO 5 CUBIC STORAGE WATER YARD AT HAD DINKA PHCUL, LOKOLOKO PHCC AND LOKOLOKO SECONDARY SCHOOL , WAU NORTH PAYAM, WAU COUNTY Handpump dismantle S Carefully dimantle the existing handpump by removal of head assembly, water tank assembly, riser main pipes and connecting rods, cylinder assembly, handover to the local authority all the removed items in the presence of IOM /ECRP Engineer. Pump testing conduct owns testing to check if the borehole is able to provide a yield of 3m3.hr 5C.2 Conduct step drawdown and recovery test as per ToR specification. hr 8 \$ Coroduct grown and steel specification. hr 8 \$ Coroduct field testing using portable water quality testing equipment for EC, TDS, LS 1 Section of the provide of the provide and plant provides and report shared to IOM/ECRP intrinsum. Plant and Turbidity. 5C.5 Colomitic field testing using portable water quality testing equipment for EC, TDS, LS 1 Submit w
48.3.8 Supply and fix RNo. Strands of Galvanized plane tension wire fixed through #40x40x3mm m m 120 \$ ### Supply and fix RNo. Strands of Galvanized plane tension wire fixed through #40x40x3mm m m 120 \$ ### Pedestal access gate 120x00x00mm m
steel angle bars (steel angle bars measured with razor wire above) Pedestal access gate 1200/2000mm [Refer to provided details] Mild steel plated aate made out of cold rolled steel sections: thoroughly cleaned and phosphatzed to resist corrosion before receiving 2 undercoats of brown rust inhibiting primer. 2 oats of matt white oil paint and finished with 2 coats of premium quality oil based acrylic paint of approved colour Gate made out of 25x55x5mm thick intermedate vertical SHS bars fixed to 75x50x3mm RHS external frame and 50x50x3mm SHS middle site: 4No. heavy duty security hindes and each leaf. External frame to be fixed to 10x100x40mm RHS columns (m.s) per the details. 48.3.9 Single leaf gate overall size 1200x2000mm high; comprising heavy duty slide bolt assembled with 4mm thick steel hasp and padlock; 1No. Tower bolt ITEM Description Boq For UPGRADING A HANDPUMP TO 5 CUBIC STORAGE WATER YARD AT HAI DINKA PHCULOKOLOKO PHCC AND LOKOLOKO SECONDARY SCHOOL, WAU NORTH PAYAM, WAU COUNTY Handpump dismantle \$ Carefully dimantle the existing handpump by removal of head assembly, water tank assembly, riser main pipes and connecting rods, cylinder assembly, handover to the local authority all the removed tienes in the presence of IOM ECRP Engineer. Pump testing conduct unine testing to check if the borehole is able to provide a vield of 3m3 hr. \$ Conduct step drawdown and recovery test as per ToR specification. hr 8 \$ Water quality analysis Collect 2 x 1 little water samples, and submit to an approved laboratory for analysis. Water quality stand comply with the minimum South Sudan quality standards and report shared to 10 IOMECRP infrastructure technical lead Conduct telesting using portable water quality testing equipment for EC, TDS, 1 conduct completion report as per IOMECRP requirements including results of water 50.6 Clean and disinfect the borehole as per TOR. Submit well completion report as per IOMECRP requirements including results of water
Pedestal access gate 1200/200mm RRefer to provided details Mild steel plated gate made out of cold rolled steel sections; thoroughly cleaned and phosphatized to resist corrosion before receiving 2 undercoats of brown rust inhibiting primer. 2 oats of math white oil paint and finished with 2 coats of premium quality oil based acrylic paint of approved colour Gate made out of 25x25x3mm thick intermediate vertical SHS bars fixed to 75x50x3mm RHS external frame and 50x50x3mm SHS middle stile. 4No. heavy duty security hinges on each leaf. External frame to be fixed to 10x10x10x4mm RHS columns (as) per the details Single leaf gate overall size 1200x2000mm high; comprising heavy duty slide bolt assembled with 4mm thick steel hasp and padlock; 1No. Tower bolt ITEM Description Description Description Unit OTY Unit Cost [USD] Total cost (USD BOA FOR UPGRADING A HANDPUMP TO 5 CUBIC STORAGE WATER YARD AT HAID DINKA PHCULOKOLOKO PHCC AND LOKOLOKO SECONDARY SCHOOL , WAU NORTH PAYAM, WAU COUNTY S S S S S S S S S
Relete to provided details
Mild steel plated gate made out of cold rolled steel sections: thoroughly cleaned and bhosphatized to resist corrosion before receiving 2 underceats of brown rust inhibiting primer, 2 cats of matt white oil paint and finished with 2 coats of premium quality oil based acrylic paint of approved colour Soc. Soc. Soc. Soc. Mild Soc. Soc. Soc. Soc. Soc. Soc. Soc. Soc.
Indesphalized to resist. corrosion before receiving 2 undercoats of brown rust inhibiting primer. 2 oats of matt white oil paint and finished with 2 coats of premium quality oil based acrylic paint of approved colour. Gate made out of 25x25x2mm thick intermediate vertical SHS bars fixed to 75x50x3mm RHS external frame and 5xx50x2mm shtk intermediate vertical SHS bars fixed to 75x50x3mm RHS external frame from 5xx50x2mm shtk indefined its external frame to be fixed to 100x100x4mm RHS columns (m.s) per the details. 4B.3.9 Single leaf gate overall size 1200x2000mm high; comprising heavy duty slide bolt assembled with 4mm thick steel hasp and padlock; 1No. Tower bolt Nr
primer. 2 cats of matt white oil paint and finished with 2 coats of premium quality oil based acrylic paint of approved colour Gate made out of 25x25x2mm thick intermediate vertical SHS bars fixed to 75x50x3mm RHS external frame and 50x50x3mm SHS middle stills. 4No. heavy duty security hinges, on each leaf. External frame to be fixed to 100x100x4mm RHS columns (m.s.) per the details 4B.3.9 Single leaf gate overall size 1200x2000mm high; comprising heavy duty slide bolt assembled with 4mm thick steel hasp and padlock; 1No. Tower bolt ITEM Description Boa FOR UPGRADING A HANDPUMP TO 5 CUBIC STORAGE WATER YARD AT HAIDINKA PHOLULOKOLOKO PHCC AND LOKOLOKO SECONDARY SCHOOL, WAU NORTH PAYAM, WAU COUNTY Handpump dismantle Carefully dimantle the existing handpump by removal of head assembly, water tank assembly, riser main pipes and connecting rods, cylinder assemply, handover to the local authority all the removed items in the presence of IOM /ECRP Engineer. Pump testing condut pump testing to check if the borehole is able to provide a vield of 3m3 /hr. 5C.2 Conduct step drawdown and recovery test as per TOR specification. hr 8 \$ \$ Collect 2 x 1 litre water samples, and submit to an approved laboratory for analysis. Water quality analysis Collect 2 x 1 litre water samples, and submit to an approved laboratory for analysis. Water quality analysis Conduct field testing sung portable water quality testing equipment for EC, TDS, LS Conduct field testing sung portable water quality testing equipment for EC, TDS, LS Conduct field testing sung portable water quality testing equipment for EC, TDS, LS 1 Specification of the completion report as per IOM/ECRP requirements including results of water Sc.6.6 Clean and disinfect the borehole as per TOR.
Gate made out of 25x26x2mm thick intermediate vertical SHS bars fixed to 75x50x3mm RHS external frame and 50x50x3mm SHS middle stills. 4No. heav duty security hinges on each leaf; External frame to be fixed to 100x100x4mm RHS columns (m.s.) per the details 4B.3.9 Single leaf gate overall size 1200x2000mm high; comprising heavy duty slide bolt assembled with 4mm thick steel hasp and padlock; 1No. Tower bolt ITEM Description Unit QTY Unit Cost [USD] Total cost (USD Boa FOR UPGRADING A HANDPUMP TO 5 CUBIC STORAGE WATER YARD AT HAID DINKA PHCU,LOKOLOKO PHCC AND LOKOLOKO SECONDARY SCHOOL, WAU NORTH PAYAM, WAU COUNTY Handpump dismantle \$ Carefully dimantle the existing handpump by removal of head assembly, water tank assembly, riser main pipes and connecting rods, cylinder assemply, handover to the local authority all the removed items in the presence of IOM /ECRP Engineer. Pump testing condul pump testing to check if the borehole is able to provide a vield of 3m3 fhr. 5C.2 Conduct step drawdown and recovery test as per ToR specification. hr 8 \$ Water quality analysis Collect 2x I litre water samples, and submit to an approved laboratory for analysis. Water quality analysis Conduct tield testing using portable water quality testing equipment for EC, TDS, 1 Conduct field testing using portable water quality testing equipment for EC, TDS, 1 Temperature, PH and Turbidity. 5C.6 Clean and disinfect the borehole as per ToR. LS 1 Submit well completion report as per IOMECRP requirements including results of water LS 1
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AB.3.9 Single leaf gate overall size 1200x2000mm high; comprising heavy duty slide bolt assembled with 4mm thick steel hasp and padlock; 1No. Tower bolt ITEM Description BOQ FOR UPGRADING A HANDPUMP TO 5 CUBIC STORAGE WATER YARD AT HAI DINKA PHCU,LOKOLOKO PHCC AND LOKOLOKO SECONDARY SCHOOL, WAU NORTH PAYAM, WAU COUNTY Handpump dismantle Carefully dimantle the existing handpump by removal of head assembly, water tank assembly, riser main pipes and connecting rods, cylinder assemply, handover to the local authority all the removed items in the presence of IOM /ECRP Engineer. Pump testing condut pump testing to check if the borehole is able to provide a vield of 3m3 /hr 5C.2 Conduct steep drawdown and recovery test as per ToR specification. FC.3 Conduct constant rate and recovery test as per ToR specification. Water quality analysis Collect 2 x 1 litre water samples, and submit to an approved laboratory for analysis. Water quality analysis and advanced the minimum South Sudan quality standards and report shared to IOM/ECRP infrastructure technical lead Conduct field testing using portable water quality testing equipment for EC, TDS, Temperature, PH and Turbidity, Sc. 6 Clean and disinfect the borehole as per ToR. Submit well completion report as per IOM/ECRP requirements including results of water LS 1 Submit well completion report as per IOM/ECRP requirements including results of water LS 1
assembled with 4mm thick steel hasp and padlock; 1No. Tower bolt ITEM Description Unit QTY Unit Cost [USD] Total cost (USD BoQ FOR UPGRADING A HANDPUMP TO 5 CUBIC STORAGE WATER YARD AT HAIDINKA PHCU,LOKOLOKO PHCC AND LOKOLOKO SECONDARY SCHOOL, WAU NORTH PAYAM, WAU COUNTY Handpump dismantle \$ Carefully dimantle the existing handpump by removal of head assembly, water tank assembly, riser main pipes and connecting rods, cylinder assemply, handover to the local authority all the removed items in the presence of IOM /ECRP Engineer. Pump testing condut pump testing to check if the borehole is able to provide a yield of 3m3 /hr. 5C.2 Conduct step drawdown and recovery test as per ToR specification. hr 8 \$ SC.3 Conduct constant rate and recovery test as per ToR specification. hr 8 \$ Water quality analysis Collect 2 x 1 litre water samples, and submit to an approved laboratory for analysis. Water quality shall comply with the minimum South Sudan quality standards and report shared to IOM/ECRP infrastructure technical lead 5C.5 Conduct field testing using portable water quality testing equipment for EC, TDS, LS 1 5C.6 Clean and disinfect the borehole as per ToR. LS 1 \$ SUDMIT WHITE OF TO
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BOQ FOR UPGRADING A HANDPUMP TO 5 CUBIC STORAGE WATER YARD AT HAID DINKA PHCU,LOKOLOKO PHCC AND LOKOLOKO SECONDARY SCHOOL, WAU NORTH PAYAM, WAU COUNTY Handpump dismantle Carefully dimantle the existing handpump by removal of head assembly, water tank assembly, riser main pipes and connecting rods, cylinder assemply, handover to the local authority all the removed items in the presence of IOM /ECRP Engineer. Pump testing condut pump testing to check if the borehole is able to provide a yield of 3m3 /hr 5C.2 Conduct step drawdown and recovery test as per ToR specification. by Toc.3 Conduct constant rate and recovery test as per ToR specification. Water quality analysis Collect 2 x 1 litre water samples, and submit to an approved laboratory for analysis. Water quality shall comply with the minimum South Sudan quality standards and report shared to IOM/ECRP infrastructure technical lead Conduct field testing using portable water quality testing equipment for EC, TDS, LS Collect 2 x 1 middle transition of the provided and the provided ana
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IOM/ECRP infrastructure technical lead
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Temperature, PH and Turbidity. 5C.6 Clean and disinfect the borehole as per ToR. 5C.7 Submit well completion report as per IOM/ECRP requirements including results of water LS 1 \$ 1
5C.7 Submit well completion report as per IOM/ECRP requirements including results of water LS 1
quality analysis as per the TOR
Installation of submersible pump and solar system \$
Design, Supply and install a Dayliff or Lorentz solar system providing at least 36m3/day
considering the peak sunhours of sunshine per day. The submersible pump size shall be
decided after the test pumping results and designing the water supply solar system in
I wall proba (barabala procura capear) float ewitch amost BCLL with wireless data capacet
well probe, (borehole presure sensor) float switch, smart PSU with wireless data connect,
Well probe, (borehole presure sensor) float switch, smart PSU with wireless data connect, PV Disconnect, surge protector and lighting arrestor with a minimum of 1 piece of 8-foot
5C.8 which case a VO may be issued. The system shall comprise of a submersible pump and
well probe, (borehole presure sensor) float switch, smart PSU with wireless data connect,
well probe, (borehole presure sensor) float switch, smart PSU with wireless data connect,

Supply and installal parallel series solar pannels certified to ISO. IEC 61215 and 61730 Fig. 20 Solar Description of the solar contract of a 15 and 15 an								
Sc.10	5C.9	(TÜV Rheinland) and CE oversized by 1.2 to 1.3 times the motor size. The solar panels shall be mounted facing south and a tilt angle of not less than 7deg and not exceeding 15 degree, mounted onto a fabricated frame above the storage tanks. NB:The actual configuration of the solars shall be decided after the water supply solar system design in	LS	1			\$	_
a layer of anti-oxide paint and overlayed with an additional coating of greyslever paint and filled with a hooped cal-added, to you advantys of 2.1 mm thickness and safety hand raillings. Tower to comply to manufacturing standards: Deadl tive load analysis to CP3 of 190. Wind load analysis to CP3 of 190. Special control of 190. Sp	5C.10		pcs	3			\$	-
shail be constructed of mild steel pressed panels of 6mm thick for the bottom, first layer of panels and 5mm thickness for the top layer of panels and findule internal bracings, brackets and a calibrated level indicator with a 1.5mm thick mild steel roof cover, thermoresistant sealant, coated with 2 layers of black bituminous paint on the inside, a single layer of zinc phosphate primer on the outside covered with a single layer of silver Aluminum paint. NS: The tank capacity and material may be changed after pumping test results and water quality analysis results in which case a VO may be issued. For mobilization Supply and install 2-1/2" HDPE underground distribution and uPVC, PPR class 10 above mobilization Supply and install 2-1/2" HDPE underground distribution and uPVC, PPR class 10 above ground pipeline and fittings in the trans variety social system design in which the pipe size may also be changed after the water supply solar system design in which the pipe size may also be changed after the water supply solar system design in which the pipe size may also be changed after the water supply solar system design in which the pipe size may also be changed after the water supply solar system design in which the pipe size may also be changed after the water supply solar system design in which the pipe size may also be changed after the water supply solar system design in which the pipe size may also be changed after the water supply solar system design in which accepts the pipe size may also be changed after the water supply solar system design in which accepts the pipe size may also be changed after the water supply solar system design in which accepts the pipe size may also be changed after the water supply solar system design in which accepts the pipe size may also be changed after the water supply solar system design in which accepts the pipe size and system. SCI.13 Exercise of the pipe size and system and the pipe size and system and the pipe size and system and system and system and system and system	5C.11	a layer of anti-oxide paint and overlayed with an additional coating of grey/silver paint and fitted with a hooped cat-ladder, top walkways of 2.1mm thickness and safety hand railings. Tower to comply to manufacturing standards: Dead/Live load analysis to BS 6399. Wind load analysis to CP3 ch V 1972.	LS	1			\$	-
Supply and install 2-1/2" HDPE underground distribution and uPVC, PPR class 10 above ground pipeline and fittings including GI pipe for the tank outlet back wash and overflow, NB: The pipe size may also be changed after the water supply solar system design in which case a VO may be issued. WATER YARD SITE LAYOUT The borehole shall be fitted with a well head casted in a concrete platform of minimum outlet had protected by a man hole height not less than 800mm ms with a cast iron trap fitted with a lockable system. SC.14 GOMM x 800mm wash and protected by a man hole height not less than 800mm ms with a cast iron trap fitted with a lockable system. SC.15 GOMM x 800mm man hole of height not less than 800mm off setting by 200mm above ground level with a lockable steel cover shall be constructed to enclose protect and ease monitoring of 10 km meter. Levelling of the site and laying a 300mm thickness well compacted murram of 60% minimum aggregate approved by the IOM Supervisor prior to installation. BILL NO.1 PRELIMINARIES BILL NO.2A DRILLING BORCHOLE, WELL CONSTRUCTION AT NGO-SUNGELE 18, KOTI- Unit 1 \$	5C.12	shall be constructed of mild steel pressed panels of 6mm thick for the bottom, first layer of panels and 5mm thickness for the top layer of panels and include internal bracings, brackets and a calibrated level indicator with a 1.5mm thick mild steel roof cover, thermoresistant sealant, coated with 2 layers of black bituminous paint on the inside, a single layer of zinc phosphate primer on the outside covered with a single layer of silver Aluminium paint. NB: The tank capacity and material may be changed after pumping test results and water quality analysis results in which case a VO may be issuedFor subprojects located in deep field locations it may inconvinience the contractor interms of	LS	1			\$	
WATER YARD SITE LAYOUT S	5C.13	ground pipeline and fittings including GI pipe for the tank outlet/ back wash and overflow. NB: The pipe size may also be changed after the water supply solar system design in	m	100			\$	-
The borehole shall be fitted with a well head casted in a concrete platform of minimum 0.3m height and protected by a man hole height not less than 800mm ms with a cast iron trap fitted with a lockable system. 600mm x 600mm man hole of height not less than 800mm off setting by 200mm above ground level with a lockable steel cover shall be constructed to enclose, protect and ease monitoring of flow meter. 5c.13 Levelling of the site and laying a 300mm thickness well compacted murram of 60% Levelling of the site and laying a 300mm thickness well compacted murram of 60% Ininimum aggregate approved by the IOM Supervisor prior to installation. BILL NO.1 PRELIMINARIES DRILLING BOREHOLE, WELL CONSTRUCTION AT NGO-SUNGELE "B", KOTI-NGBAYA, NGO-VONGO, NANGAWIYA, NGBODAR, AND NGISA PHCU BAGARI PAYAM, AND HAI JEDID-WAU NORTH PAYAM WAU COUNTY BILL NO.2B BILL NO.2B BILL NO.3C BOREHOLES AT NGO-SUNGELE "B", KOTI-NGBAYA, NGO-VONGO, NANGAWIYA, NGBODAR, AND NGISA PHCU BAGARI PAYAM, AND HOLES AT NGO-SUNGELE "B", KOTI-NGBAYA, NGO-VONGO, NANGAWIYA, NGBODAR, AND NGISA PHCU BAGARI PAYAM, AND NGISA PHCU BAGARI PAYAM							\$	-
5C.15 ground level with a lockable steel cover shall be constructed to enclose, protect and ease monitoring of flow meter. 5C.13 Levelling of the site and laying a 300mm thickness well compacted murram of 60% minimum aggregate approved by the IOM Supervisor prior to installation. BILL NO.1 PRELIMINARIES BILL NO.2A DRILLING BOREHOLE, WELL CONSTRUCTION AT NGO-SUNGELE 'B', KOTI-NGBAYA, NGO-VONGO, NANGAWIYA, NGBODAR, AND NGISA PHCU BAGARI PAYAM, AND HAJ JEDID-WAU NORTH PAYAM-WAU COUNTY BILL NO.2B PLATFORM CONSTRUCTION AND INSTALATION INDIAN MARK II HAND PUMPS FOR BOREHOLES AT NGO-SUNGELE 'B', KOTI-NGBAYA, NGO-VONGO, NANGAWIYA, NGO-SUNGED REPAIL THATON AT BIRINGI PRIMARY SCHOOL BILL NO.3C CONSTRUCTION OF 2 WATER KIOSKS EACH WITH 6 TALBOT TALFLOW SELF-CLGISING TAPS IN HOLLOW BLOCK AND CONCRETE MASONRY AT HAJ JEDID VILLAGE-WAU NORTH PAYAM BILL NO.3C CONSTRUCTION OF 30 WATER ROINTS EACH OF 4 TALBOLT TALFLOW SELF-CLOSING TAPS IN HOLLOW BLOCK CONCRETE MASONRY AND FENCED WITH CHAIN LINK AT HAI DINKA PHCU ,LOKOLOKO PHCC AND LOKOLOKO SECONDARY SCHOOL -WAU NORTH PAYAM BILL NO.4A BOG POR CONSTRUCTION OF 20 CUBIC STORAGE WATER YARD, AND INSTALLATION OF SUBMERSIBLE PUMP POWERED BY SOLAR SYSTEM AT HAI JEDID Unit 1 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$	5C.14	0.3m height and protected by a man hole height not less than 800mm ms with a cast iron	LS	1			\$	-
BILL NO. 1 BILL NO. 2A BILL NO. 2B BILL NO. 2B BILL NO. 2B BILL NO. 3B BILL NO. 4B BILL NO. 5B BILL NO. 6B BOREHOLE REHABILITATION AT BIRINGI PRIMARY SCHOOL BILL NO. 6B BILL NO. 6B BILL NO. 6B BILL NO. 7B BILL NO. 7B BILL NO. 7B BILL NO. 8B BILL NO. 8B BILL NO. 9B BILL NO. 9B BILL NO. 9B BOREHOLE REHABILITATION AT BIRINGI PRIMARY SCHOOL BILL NO. 9B BILL NO.	5C.15	ground level with a lockable steel cover shall be constructed to enclose,protect and ease	No	1			\$	-
BILL NO.2A DRILLING BOREHOLE, WELL CONSTRUCTION AT NGO-SUNGELE "B", KOTINGBAYA, NGO-YONGO, NANGAWIYA, NGBODAR, AND NGISA PHCU BAGARI PAYAM, AND HAI JEDID-WAU NORTH PAYAM. WAU COUNTY BILL NO.2B PLATFORM CONSTRUCTION AND INSTALATION INDIAN MARK II HAND PUMPS FOR BOREHOLES AT NGO-SUNGELE "B", KOTI-NGBAYA, NGO-YONGO, NANGAWIYA, NGBODAR, AND NGISA PHCU BILL NO.2C BOREHOLE REHABILITATION AT BIRINGI PRIMARY SCHOOL BILL NO. 3A CONSTRUCTION OF 2 WATER KIOSKS EACH WITH 6 TALBOT TALFLOW SELF-COSING TAPS IN HOLLOW BLOCK AND CONCRETE MASONRY AT HAI JEDID VILLAGE-WAU NORTH PAYAM BILL NO. 3B EXCAVATION AND CONSTRUCTION OF SOAK AWAY PITS AT HAI JEDID VILLAGE-HAI DINKA PHCU ,LOKOLOKO PHCC AND LOKOLOKO SECONDARY SCHOOL -WAU NORTH PAYAM BILL NO. 3C CONSTRUCTION OF 3 WATER POINTS EACH OF 4 TALBOLT TALFLOW SELF-CHAIN LINK AT HAI DINKA PHCU ,LOKOLOKO PHCC AND LOKOLOKO SECONDARY SCHOOL. BILL NO. 4A BILL NO. 4A BOQ FOR CONSTRUCTION OF 20 CUBIC STORAGE WATER YARD, AND JEDID VILLAGE-WAU BILL NO. 5C BOQ FOR UPGRADING A HANDPUMP TO 5 CUBIC STORAGE WATER YARD AT HAI JEDID VILLAGE-WAU BILL NO. 5C BOQ FOR UPGRADING A HANDPUMP TO 5 CUBIC STORAGE WATER YARD AT HAI JEDID VILLAGE-WAU NORTH PAYAM, WAU COUNTY	5C.13		LS	1			\$	-
BILL NO.2A DRILLING BOREHOLE, WELL CONSTRUCTION AT NGO-SUNGELE "B", KOTINGBAYA, NGO-YONGO, NANGAWIYA, NGBODAR, AND NGISA PHCU BAGARI PAYAM, AND HAI JEDID-WAU NORTH PAYAM. WAU COUNTY BILL NO.2B PLATFORM CONSTRUCTION AND INSTALATION INDIAN MARK II HAND PUMPS FOR BOREHOLES AT NGO-SUNGELE "B", KOTI-NGBAYA, NGO-YONGO, NANGAWIYA, NGBODAR, AND NGISA PHCU BILL NO.2C BOREHOLE REHABILITATION AT BIRINGI PRIMARY SCHOOL BILL NO. 3A CONSTRUCTION OF 2 WATER KIOSKS EACH WITH 6 TALBOT TALFLOW SELF-COSING TAPS IN HOLLOW BLOCK AND CONCRETE MASONRY AT HAI JEDID VILLAGE-WAU NORTH PAYAM BILL NO. 3B EXCAVATION AND CONSTRUCTION OF SOAK AWAY PITS AT HAI JEDID VILLAGE-HAI DINKA PHCU ,LOKOLOKO PHCC AND LOKOLOKO SECONDARY SCHOOL -WAU NORTH PAYAM BILL NO. 3C CONSTRUCTION OF 3 WATER POINTS EACH OF 4 TALBOLT TALFLOW SELF-CHAIN LINK AT HAI DINKA PHCU ,LOKOLOKO PHCC AND LOKOLOKO SECONDARY SCHOOL. BILL NO. 4A BILL NO. 4A BOQ FOR CONSTRUCTION OF 20 CUBIC STORAGE WATER YARD, AND JEDID VILLAGE-WAU BILL NO. 5C BOQ FOR UPGRADING A HANDPUMP TO 5 CUBIC STORAGE WATER YARD AT HAI JEDID VILLAGE-WAU BILL NO. 5C BOQ FOR UPGRADING A HANDPUMP TO 5 CUBIC STORAGE WATER YARD AT HAI JEDID VILLAGE-WAU NORTH PAYAM, WAU COUNTY	DILL NO. 4	DDELIMINADIEC	Llois	1	•		•	
BILL NO.2B PLATFORM CONSTRUCTION AND INSTALATION INDIAN MARK II HAND PUMPS FOR BOREHOLES AT NGO-SUNGELE "B", KOTI-NGBAYA, NGO-VONGO, NANGAWIYA, NGBODAR, AND NGISA PHCU BILL NO.2C BOREHOLE REHABILITATION AT BIRINGI PRIMARY SCHOOL Unit 1 \$ - \$ - \$ - BILL NO.3A CONSTRUCTION OF 2 WATER KIOSKS EACH WITH 6 TALBOT TALFLOW SELF-CLOSING TAPS IN HOLLOW BLOCK AND CONCRETE MASONRY AT HAI JEDID VILLAGE-WAU NORTH PAYAM BILL NO.3B EXCAVATION AND CONSTRUCTION OF SOAK AWAY PITS AT HAI JEDID Unit 5 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$		DRILLING BOREHOLE, WELL CONSTRUCTION AT NGO-SUNGELE "B", KOTI- NGBAYA, NGO-VONGO, NANGAWIYA, NGBODAR, AND NGISA PHCU BAGARI						<u> </u>
BILL NO.2C BOREHOLE REHABILITATION AT BIRINGI PRIMARY SCHOOL Unit 1 \$ - \$ - \$ - \$ BILL NO.3A CONSTRUCTION OF 2 WATER KIOSKS EACH WITH 6 TALBOT TALFLOW SELF-CLOSING TAPS IN HOLLOW BLOCK AND CONCRETE MASONRY AT HAI JEDID VILLAGE-WAU NORTH PAYAM BILL NO.3B EXCAVATION AND CONSTRUCTION OF SOAK AWAY PITS AT HAI JEDID VILLAGE, HAI DINKA PHCU , LOKOLOKO PHCC AND LOKOLOKO SECONDARY SCHOOL -WAU NORTH PAYAM BILL NO.3C CONSTRUCTION OF 3 WATER POINTS EACH OF 4 TALBOLT TALFLOW SELF CLOSING TAPS IN HOLLOW BLOCK CONCRETE MASONRY AND FENCED WITH CHAIN LINK AT HAI DINKA PHCU ,LOKOLOKO PHCC AND LOKOLOKO SECONDARY SCHOOL. BILL NO. 4A BOQ FOR CONSTRUCTION OF 20 CUBIC STORAGE WATER YARD, AND INSTALLATION OF SUBMERSIBLE PUMP POWERED BY SOLAR SYSTEM AT HAI JEDID VILLAGE-WAU BILL NO. 5C BOQ FOR UPGRADING A HANDPUMP TO 5 CUBIC STORAGE WATER YARD AT HAI JEDID VILLAGE-WAU BILL NO. 5C BOQ FOR UPGRADING A HANDPUMP TO 5 CUBIC STORAGE WATER YARD AT HAI JEDID VILLAGE-WAU BILL NO. 5C BOQ FOR UPGRADING A HANDPUMP TO 5 CUBIC STORAGE WATER YARD AT HAI JEDID VILLAGE-WAU BILL NO. 5C BOQ FOR UPGRADING A HANDPUMP TO 5 CUBIC STORAGE WATER YARD AT HAI JEDID VILLAGE-WAU BILL NO. 5C BOQ FOR UPGRADING A HANDPUMP TO 5 CUBIC STORAGE WATER YARD AT HAI JEDID VILLAGE-WAU BILL NO. 5C BOQ FOR UPGRADING A HANDPUMP TO 5 CUBIC STORAGE WATER YARD AT HAI JEDID VILLAGE-WAU BILL NO. 5C BOQ FOR UPGRADING A HANDPUMP TO 5 CUBIC STORAGE WATER YARD AT HAI JEDID VILLAGE-WAU BILL NO. 5C BOQ FOR UPGRADING A HANDPUMP TO 5 CUBIC STORAGE WATER YARD AT HAI JEDID VILLAGE-WAU	BILL NO.2B	PLATFORM CONSTRUCTION AND INSTALATION INDIAN MARK II HAND PUMPS FOR BOREHOLES AT NGO-SUNGELE "B", KOTI-NGBAYA, NGO-VONGO, NANGAWIYA,	Unit	6	\$	-	\$	-
CLOSING TAPS IN HOLLOW BLOCK AND CONCRETE MASONRY AT HAI JEDID VILLAGE-WAU NORTH PAYAM BILL NO. 3B EXCAVATION AND CONSTRUCTION OF SOAK AWAY PITS AT HAI JEDID VILLAGE, HAI DINKA PHCU, LOKOLOKO PHCC AND LOKOLOKO SECONDARY SCHOOL -WAU NORTH PAYAM BILL NO. 3C CONSTRUCTION OF 3 WATER POINTS EACH OF 4 TALBOLT TALFLOW SELF CLOSING TAPS IN HOLLOW BLOCK CONCRETE MASONRY AND FENCED WITH CHAIN LINK AT HAI DINKA PHCU, LOKOLOKO PHCC AND LOKOLOKO SECONDARY SCHOOL. BILL NO. 4A BOR FOR CONSTRUCTION OF 20 CUBIC STORAGE WATER YARD, AND INSTALLATION OF SUBMERSIBLE PUMP POWERED BY SOLAR SYSTEM AT HAI JEDID VILLAGE-WAU BILL NO. 5C BOR FOR UPGRADING A HANDPUMP TO 5 CUBIC STORAGE WATER YARD AT HAI DINKA PHCU, LOKOLOKO PHCC AND LOKOLOKO SECONDARY SCHOOL, WAU NORTH PAYAM, WAU COUNTY	BILL NO.2C	BOREHOLE REHABILITATION AT BIRINGI PRIMARY SCHOOL	Unit			-	\$	-
BILL NO. 3B EXCAVATION AND CONSTRUCTION OF SOAK AWAY PITS AT HAI JEDID VILLAGE, HAI DINKA PHCU , LOKOLOKO PHCC AND LOKOLOKO SECONDARY SCHOOL -WAU NORTH PAYAM BILL NO. 3C CONSTRUCTION OF 3 WATER POINTS EACH OF 4 TALBOLT TALFLOW SELF CLOSING TAPS IN HOLLOW BLOCK CONCRETE MASONRY AND FENCED WITH CHAIN LINK AT HAI DINKA PHCU , LOKOLOKO PHCC AND LOKOLOKO SECONDARY SCHOOL. BILL NO. 4A BOQ FOR CONSTRUCTION OF 20 CUBIC STORAGE WATER YARD, AND INSTALLATION OF SUBMERSIBLE PUMP POWERED BY SOLAR SYSTEM AT HAI JEDID VILLAGE-WAU BILL NO. 5C BOQ FOR UPGRADING A HANDPUMP TO 5 CUBIC STORAGE WATER YARD AT HAI DINKA PHCU, LOKOLOKO PHCC AND LOKOLOKO SECONDARY SCHOOL , WAU NORTH PAYAM , WAU COUNTY	BILL NO. 3A	CLOSING TAPS IN HOLLOW BLOCK AND CONCRETE MASONRY AT HAI JEDID	Unit	2	\$	-	\$	-
BILL NO. 3C CONSTRUCTION OF 3 WATER POINTS EACH OF 4 TALBOLT TALFLOW SELF CLOSING TAPS IN HOLLOW BLOCK CONCRETE MASONRY AND FENCED WITH CHAIN LINK AT HAI DINKA PHCU ,LOKOLOKO PHCC AND LOKOLOKO SECONDARY SCHOOL. BILL NO. 4A BoQ FOR CONSTRUCTION OF 20 CUBIC STORAGE WATER YARD, AND INSTALLATION OF SUBMERSIBLE PUMP POWERED BY SOLAR SYSTEM AT HAI JEDID VILLAGE-WAU BILL NO. 5C BOQ FOR UPGRADING A HANDPUMP TO 5 CUBIC STORAGE WATER YARD AT HAI DINKA PHCU,LOKOLOKO PHCC AND LOKOLOKO SECONDARY SCHOOL , WAU NORTH PAYAM ,WAU COUNTY	BILL NO. 3B	EXCAVATION AND CONSTRUCTION OF SOAK AWAY PITS AT HAI JEDID VILLAGE,HAI DINKA PHCU ,LOKOLOKO PHCC AND LOKOLOKO SECONDARY	Unit	5	\$	-	\$	-
BILL NO. 4A BoQ FOR CONSTRUCTION OF 20 CUBIC STORAGE WATER YARD, AND INSTALLATION OF SUBMERSIBLE PUMP POWERED BY SOLAR SYSTEM AT HAI JEDID VILLAGE-WAU BILL NO. 5C BOQ FOR UPGRADING A HANDPUMP TO 5 CUBIC STORAGE WATER YARD AT HAI DINKA PHCU,LOKOLOKO PHCC AND LOKOLOKO SECONDARY SCHOOL, WAU NORTH PAYAM, WAU COUNTY NORTH PAYAM, WAU COUNTY	BILL NO. 3C	CONSTRUCTION OF 3 WATER POINTS EACH OF 4 TALBOLT TALFLOW SELF CLOSING TAPS IN HOLLOW BLOCK CONCRETE MASONRY AND FENCED WITH CHAIN LINK AT HAI DINKA PHCU ,LOKOLOKO PHCC AND LOKOLOKO SECONDARY	Unit	3	\$	-	\$	-
BILL NO. 5C BoQ FOR UPGRADING A HANDPUMP TO 5 CUBIC STORAGE WATER YARD AT HAI Unit 3 \$ - \$ - DINKA PHCU,LOKOLOKO PHCC AND LOKOLOKO SECONDARY SCHOOL, WAU NORTH PAYAM, WAU COUNTY	BILL NO. 4A	BoQ FOR CONSTRUCTION OF 20 CUBIC STORAGE WATER YARD, AND INSTALLATION OF SUBMERSIBLE PUMP POWERED BY SOLAR SYSTEM AT HAI	Unit	1	\$	-	\$	-
	BILL NO. 5C	BoQ FOR UPGRADING A HANDPUMP TO 5 CUBIC STORAGE WATER YARD AT HAI DINKA PHCU,LOKOLOKO PHCC AND LOKOLOKO SECONDARY SCHOOL, WAU	Unit	3	\$	-	\$	-
GRAND TOTALI S -				•	GR	AND TOTAL	\$	-