

# **BILL NO. 1**

## **PRELIMINARIES**

**TENDER NO**  
**TSHEPONG HOSPITAL : Repairs and Renovation**

Item	Description		
<b>A</b>	<b>PREAMBLES TO BILLS OF QUANTITIES</b>		
A1	These Bills of Quantities contain pages numbered consecutively.		
A2	Before the Tenderer submits his tender he should check the number of pages, and if any are found missing or the number of pages, and if any are found missing or duplicated, or the figures or writing indistinct, he should apply to the Engineer at once and have same rectified as no liability whatsoever will be admitted by the Engineer in respect of errors in tender due to the foregoing.		
A3	The Bills of Quantities form part of and must be read in conjunction with the Specification, which document contains the full description of the work to be done and material and equipment to be used and unless otherwise described in the Bills of Quantities, reference should be made to the Specification for the full meaning of descriptions of work to be done and materials and equipment to be used in this service.		
A4	All item rates and extensions must be priced in detail before submission of Tenders.		
A5	The total tender price in the bill shall constitute the contract price of the successful Tenderer.		
A6	Tenderers are advised to check their item extensions and total additions, as no claim for arithmetical errors will be considered.		
A7	No alteration, erasure or addition is to be made in the text of the Bills of Quantities. Should any alteration, erasure or addition be made, it will not be recognised but the original wording of the Bills of Quantities will be adhered to.		
A8	The priced Bills of Quantities of the successful Tenderer will be checked and the Engineer reserves the right to call for adjustments to any individual price and to rectify any discrepancy whilst the Total Tender Price, as submitted, remains unaltered.		
A9	The responsibility for the accuracy of the quantities written into the Bills remains with the person who prepared the Bills. The Tenderer shall be relieved of responsibility of measuring quantities at the tender stage, and the tender sum submitted shall be in respect of the quantities set out in the Bills, although he will be required to make his assessment of items such as brackets, fixings, etc., from details stated in the Bills and shall include in the item price for such small installation materials as are required for the complete installation in accordance with the specification.		
	Bill No 1 Preliminaries WET SERVICES Tshepong Hospital BOQ		Page 1

**TENDER NO**  
**TSHEPONG HOSPITAL : Repairs and Renovation**

Item	Description		
<b>A</b>	<b>PREAMBLES TO BILLS OF QUANTITIES</b>		
A10	The quantities in these Bills of Quantities are <u>provisional and are not to be used for ordering materials.</u>		
A11	Variations in the scope and extent of the work included in the Bills shall be allowed to meet the Employer's requirements and shall be measured and costed at rates entered in the Bills, where appropriate, and shall form an addition to or deduction from the total of the Bills. Any items or variation for which rates have not been included in the Bills shall be agreed and priced as non-scheduled items in accordance with the provisions of the contract.		
A12	Unless a separate rate for the supply and for the installation of any items is specifically called or, the supply and installation costs of any item shall be fully included in the unit price.		
A13	The description of each item shall, unless otherwise stated herein, be held to include making, conveying and delivery, unloading storing, unpacking, hoisting, setting, fitting and fixing in position, cutting and waste, patterns, models and templates, plant, temporary works, return of packings, establishment charges, profit and all other obligations arising out of the Conditions of Contract.		
A14	All measurements are nett, unless otherwise stated, and Tenderers must allow in the rate for wastage.		
A15	Hangers, supports, splices, joining drilling etc shall form part of unit rate.		
A16	All materials or equipment specified under a trade name, catalogue or reference number shall, for competitive pricing, be exactly as described in this tender.		
A17	Where references are indicated in the Bills it is only for ease of reference and not exhaustive.		
	Bill No 1 Preliminaries WET SERVICES Tshepong Hospital BOQ		Page 2

**TENDER NO  
TSHEPONG HOSPITAL : Repairs and Renovation**

Item	Payment refers	Description	Unit	Quantity	Rate	Amount
<b>C</b>	SANS	<b>PRELIMINARY AND GENERAL</b>				
1.1		Clearance of Rubbish	Item	1		
1.2		Site Establishment	Item	1		
1.3		Scaffolding	Item	1		
1.4		Progress for Measurement	Item	1		
1.5		Tests and Inspections	Item	1		
1.6		<u>Preparation of Operating and Maintenance Manuals</u>	Item	1		
1.7		As-Built Drawings	Item	1		
1.8		12 Month Guarantee and Maintenance	Item	1		
1.9		Programming of the Work	Item	1		
1.10		<u>Testing, Balancing &amp; Commissioning</u>	Item	1		
1.11		Equipment Submissions	Item	1		
1.12		Contract Drawings	Item	1		
1.13		Contract Management	Item	1		
1.14		Truck Trips	Item	1		
1.15		Van and Car Trips	Item	1		
1.16		Rigging and Crane Hire	Item	1		
1.17		Spares as Specified	Item	1		
1.18		Equipment Labels	Item	1		
1.19		Out of Town costs & Accommodation	Item	1		
1.20		Contract Engineer/Manager	Item	1		
		Carried to Summary				

**TENDER NO**  
**TSHEPONG HOSPITAL : Repairs and Renovation**

Item	Description	Page No	Amount
	<b><u>BILL NO. 1 : PRELIMINARIES</u></b>		
	<b>SUMMARY</b>  Preliminary and General	3	-
	<b>CARRIED TO SUMMARY</b>		
	<b>BILL NO. 1 : PRELIMINARIES</b> <b>WET SERVICES</b> <b>Tshepong Hospital BOQ</b>		

# **BILL NO. 2**

WET SERVICES

**TENDER NO**  
**TSHEPONG HOSPITAL : Repairs and Renovation**

**TENDER NO**  
**TSHEPONG HOSPITAL : Repairs and Renovation**

Item	Payment refers	Description	Unit	Quantity	Rate	Amount
	SANS	<b>BILL NO. 2 : WET SERVICES</b>				
		<p><b><u>PIPES AND FITTINGS</u></b></p> <p><b><u>WATER SUPPLY</u></b></p> <p>All rates supplied in this bill of quantities will be deemed to include scaffolding to any height and fixing of cold and hot water pipes up to and including roof height.</p> <p>All pipes shall be deemed to include in the rates all necessary hanger brackets, threaded rod (irrespective of the suspension length), nuts, washers, anchors and drilling of holes in the concrete slab.</p> <p>All cold water supply pipes are to be chased into walls except where pipes are to be surface-mounted on wall face and fixed with standard type pipe saddles and brackets.</p> <p>Note : Manufacturer names are used only to define quality and specification, but any equivalent may be priced and proposed for prior approval by Engineer.</p>				
2.1		<p><b><u>COPPER PIPE</u></b></p> <p><u>Supply and install Class 1 copper pipes with and including brackets, fittings fixed to walls, etc.</u></p> <p><u>Note : Rate to include all fittings; bends, elbows, t-pieces, reducers, couplers, etc.</u></p>				
2.1.1		15 mm Pipe	m	48		
2.1.2		22 mm Pipe	m	24		
2.1.1						
2.1.3		28 mm Pipe	m	24		
2.1.4		35 mm Pipe	m	30		
2.1.5		42 mm Pipe	m	6		
		Carried to Collection				
<p><b>BILL NO. 2 : WET SERVICES</b></p> <p><b>WATER SUPPLY</b></p> <p>Tshepong Hospital BOQ</p>						

**TENDER NO**  
**TSHEPONG HOSPITAL : Repairs and Renovation**

Item	Payment refers	Description	Unit	Quantity	Rate	Amount
	SANS	<b>BILL NO. 2 : WET SERVICES</b>				
2.1.6		<p>54 mm Pipe</p> <p><b><u>WATER SUPPLY</u></b></p> <p>Install new variable speed booster pump set and controls Grundfos or similar approved by Engineer (2 x pumps duty/standby in set, Grundfos building booster 3-phase variable speed VSD, 300l/min @ 200kPa and 50 l expansion tank) Including full overload and lightning protection in control panel and electric compliant DB board and isolator, etc. with 2 year warrantee, 10 year duty life cycle based on annual service contract.</p> <p><b><u>VALVES</u></b></p> <p>Note : Manufacturer names are used only to define quality and specification, but any equivalent may be priced and proposed for prior approval by Engineer. Valve costs to include required flanges as well</p>	m	30		
2.2		<b><u>LEVER BALL VALVE</u></b>	No.	2		
2.2.1		80 mm - Lever ball valve	No.	2		
2.2.2		50 mm - Lever ball valve	No.	2		
2.2.3		32 mm - Lever ball valve	No.	2		
2.2.4		25 mm - Lever ball valve	No.	2		
2.3		<b><u>THERMOSTATIC VALVES</u></b>				
2.3.1		40mm dia thermostatic valves	No.	12		
2.4		<b><u>JOJO TANK ANCILLARIES</u></b>				
2.4.1		Screens to cover overflow openings on Jojo tanks	No.	2		
		Carried to Collection				
<b>BILL NO. 2 : WET SERVICES</b> <b>WATER SUPPLY</b> Tshepong Hospital BOQ						

**TENDER NO**  
**TSHEPONG HOSPITAL : Repairs and Renovation**

Item	Payment refers	Description	Unit	Quantity	Rate	Amount
	SANS	<b>BILL NO. 2 : WET SERVICES</b>				
2.5		<p><b><u>WATER SUPPLY</u></b></p> <p><b><u>VALVES</u></b></p> <p>Note : Manufacturer names are used only to define quality and specification, but any equivalent may be priced and proposed for prior approval by Engineer.</p> <p>Valve costs to include required flanges as well</p> <p>Provision of 50mm gate valves for draining tanks</p>	No.	9		
2.6		<p><b><u>WATER SUPPLY - WATER SOFTENING PLANTS</u></b></p> <p><u>Supply and Installation of water softening plants for a 348 643 cubic litre domestic bulk water storage facility, (9.76m x 7.32m x 4.88m)</u></p> <p>Domestic water softening plant including all pumps, strainers and related plant ancillaries ( to include testing of the current site water and determining appropriate type of water softening plant required.)</p>	No.	1		
		Carried to Collection				
<b>BILL NO. 2 : WET SERVICES</b> <b>WATER SUPPLY</b> <b>Tshepong Hospital BOQ</b>						

**TENDER NO**  
**TSHEPONG HOSPITAL : Repairs and Renovation**

Item	Payment refers	Description	Unit	Quantity	Rate	Amount
	SANS	<b>BILL NO. 2 : WET SERVICES</b>				
2.7		<p><b>WATER SUPPLY - DOCTORS RESIDENCE</b></p> <p><b>HOT WATER SYSTEM</b></p> <p><b>PIPES AND FITTINGS</b></p> <p>All rates supplied in this bill of quantities will be deemed to include scaffolding to any height and fixing of cold and hot water pipes up to and including roof height.</p> <p>All pipes shall be deemed to include in the rates all necessary hanger brackets, threaded rod (irrespective of the suspension length), nuts, washers, anchors and drilling of holes in the</p> <p>All hot water supply pipes are to be chased into walls except where pipes are to be surface-mounted on wall face and fixed with standard type pipe saddles and brackets.</p> <p><u>Note</u> : Manufacturer names are used only to define quality and specification, but any equivalent may be priced and proposed for prior approval by Engineer.</p> <p><b>COPPER PIPE</b></p> <p><u>Supply and install Class 1 copper pipes with and including brackets, fittings fixed to walls, etc.</u></p> <p><u>Note</u> : Rate to include all fittings; bends, elbows, t-pieces, reducers, couplers inclusive of labour, etc.</p>				
2.7.1		15 mm Pipe	m	24		
2.7.2		22 mm Pipe	m	24		
2.7.3		28 mm Pipe	m	24		
2.7.4		35 mm Pipe	m	48		
		Carried to Collection				
<p><b>BILL NO. 2 : WET SERVICES</b></p> <p><b>WATER SUPPLY - DOCTORS RESIDENCE</b></p> <p>Tshepong Hospital BOQ</p>						

**TENDER NO**  
**TSHEPONG HOSPITAL : Repairs and Renovation**

Item	Payment refers	Description	Unit	Quantity	Rate	Amount
	SANS	<b>BILL NO. 2 : WET SERVICES</b>				
		<b><u>WATER SUPPLY - DOCTORS RESIDENCE</u></b>				
2.7.5		42 mm Pipe	m	48		
2.7.6		54 mm Pipe	m	24		
2.7.7		76 mm Pipe	m	2		
2.8		<b><u>HOT WATER PIPE INSULATION</u></b>				
		<u>Install rigid non-combustible light weight "Snap on Pipe" Glasswool insulation, Isover or similar approved, with wall thickness of (15/20/25/40/50) mm with vapour tin foil reinforced barrier facing for hot water piping. Install in accordance with manufacturer's detail &amp; specification.</u>				
2.8.1		15 mm Pipe	m	60		
2.8.2		20 mm Pipe	m	24		
2.8.3		25 mm Pipe	m	24		
2.8.4		40 mm Pipe	m	24		
2.8.5		50 mm Pipe	m	72		
2.9		<u>External Aluminium cladding over insulation</u>				
2.9.1		20 mm Pipe	m	6		
2.9.2		25mm Pipe	m	6		
2.9.3		32mm Pipe	m	6		
2.9.4		40mm Pipe	m	12		
2.9.5		50mm Pipe	m	24		
		Carried to Collection				
<b>BILL NO. 2 : WET SERVICES</b> <b>WATER SUPPLY - DOCTORS RESIDENCE</b> <b>Tshepong Hospital BOQ</b>						

**TENDER NO**  
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Item	Payment refers	Description	Unit	Quantity	Rate	Amount
	SANS	<b>BILL NO. 2 : WET SERVICES</b>				
2.10		<p><b><u>WATER SUPPLY - CRISIS CENTRE</u></b></p> <p><b><u>HOT WATER SYSTEM</u></b></p> <p><b><u>PIPES AND FITTINGS</u></b></p> <p><b><u>COPPER PIPE</u></b></p> <p><u>Supply and install Class 1 copper pipes with and including brackets, fittings fixed to walls, etc.</u></p> <p><u>Note : Rate to include all fittings; bends, elbows, t-pieces, reducers, couplers inclusive of labour, etc.</u></p>				
2.10.1		15 mm Pipe	m	60		
.10.1		22 mm Pipe	m	24		
2.10.2		28 mm Pipe	m	24		
2.10.3		35 mm Pipe	m	12		
2.10.4		42 mm Pipe	m	24		
2.10.5		54 mm Pipe	m	30		
2.10.6		76 mm Pipe	m	4		
2.11		<p><b><u>HOT WATER PIPE INSULATION</u></b></p> <p><u>Install rigid non-combustible light weight "Snap on Pipe" Glasswool insulation, Isover or similar approved, with wall thickness of (15/20/25/40/50) mm with vapour tin foil reinforced barrier facing for hot water piping. Install in accordance with manufacturer's detail &amp; specification.</u></p>				
2.11.1		15 mm Pipe	m	90		
2.11.2		20 mm Pipe	m	24		
		Carried to Collection				
<p><b>BILL NO. 2 : WET SERVICES</b></p> <p><b>WATER SUPPLY - CRISIS CENTRE</b></p> <p>Tshepong Hospital BOQ</p>						

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Item	Payment refers	Description	Unit	Quantity	Rate	Amount
	SANS	<b>BILL NO. 2 : WET SERVICES</b>				
		<b><u>WATER SUPPLY - CRISIS CENTRE</u></b>				
2.11.3		25 mm Pipe	m	18		
2.11.4		40 mm Pipe	m	24		
2.11.5		50 mm Pipe	m	60		
2.12		<u>External Aluminium cladding over insulation</u>				
2.12.1		20 mm Pipe	m	18		
2.12.2		25mm Pipe	m	12		
2.12.3		32mm Pipe	m	24		
2.12.4		40mm Pipe	m	48		
2.12.5		50mm Pipe	m	52		
		Carried to Collection				
<b>BILL NO. 2 : WET SERVICES</b> <b>WATER SUPPLY - CRISIS CENTRE</b> <b>Tshepong Hospital BOQ</b>						

**TENDER NO**  
**TSHEPONG HOSPITAL : Repairs and Renovation**

Item	Payment refers	Description	Unit	Quantity	Rate	Amount
	SANS	<b>BILL NO. 2 : WET SERVICES</b>				
2.13		<p><b><u>WATER SUPPLY - WELLNESS CLINIC</u></b></p> <p><b><u>HOT WATER SYSTEM</u></b></p> <p><b><u>PIPES AND FITTINGS</u></b></p> <p><b><u>COPPER PIPE</u></b></p> <p><u>Supply and install Class 1 copper pipes with and including brackets, fittings fixed to walls, etc.</u></p> <p><u>Note : Rate to include all fittings; bends, elbows, t-pieces, reducers, couplers inclusive of labour, etc.</u></p>				
2.13.1		15 mm Pipe	m	60		
2.13.2		22 mm Pipe	m	12		
2.13.3		28 mm Pipe	m	12		
2.13.4		35 mm Pipe	m	12		
2.13.5		42 mm Pipe	m	48		
2.13.6		54 mm Pipe	m	48		
2.13.7		76 mm Pipe	m	4		
2.14		<p><b><u>HOT WATER PIPE INSULATION</u></b></p> <p><u>Install rigid non-combustible light weight "Snap on Pipe" Glasswool insulation, Isover or similar approved, with wall thickness of (15/20/25/40/50) mm with vapour tin foil reinforced barrier facing for hot water piping. Install in accordance with manufacturer's detail &amp; specification.</u></p>				
2.14.1		15 mm Pipe	m	66		
2.14.2		20 mm Pipe	m	36		
		Carried to Collection				
<p><b>BILL NO. 2 : WET SERVICES</b></p> <p><b>WATER SUPPLY - WELLNESS CLINIC</b></p> <p>Tshepong Hospital BOQ</p>						

**TENDER NO**  
**TSHEPONG HOSPITAL : Repairs and Renovation**

Item	Payment refers	Description	Unit	Quantity	Rate	Amount
	SANS	<b>BILL NO. 2 : WET SERVICES</b>				
		<b><u>WATER SUPPLY - WELLNESS CLINIC</u></b>				
2.14.3		25 mm Pipe	m	24		
2.14.4		40 mm Pipe	m	48		
2.14.5		50 mm Pipe	m	24		
2.15		<u>External Aluminium cladding over insulation</u>				
2.15.1		20 mm Pipe	m	48		
2.15.2		25mm Pipe	m	12		
2.15.3		32mm Pipe	m	12		
2.15.4		40mm Pipe	m	24		
2.15.5		50mm Pipe	m	48		
		Carried to Collection				
<b>BILL NO. 2 : WET SERVICES</b> <b>WATER SUPPLY - WELLNESS CLINIC</b> <b>Tshepong Hospital BOQ</b>						

**TENDER NO  
TSHEPONG HOSPITAL : Repairs and Renovation**

Item	Payment refers	Description	Unit	Quantity	Rate	Amount
	SANS	<b>BILL NO. 2 : WET SERVICES</b>				
2.16		<u>WATER SUPPLY - TRT TRAINING</u> <u>HOT WATER SYSTEM</u> <u>PIPES AND FITTINGS</u> <u>COPPER PIPE</u> <u>Supply and install Class 1 copper pipes with and including brackets, fittings fixed to walls, etc.</u> <u>Note : Rate to include all fittings; bends, elbows, t-pieces, reducers, couplers inclusive of labour, etc.</u>				
2.16.1		15 mm Pipe	m	90		
2.16.2		22 mm Pipe	m	12		
2.16.3		28 mm Pipe	m	12		
2.16.4		35 mm Pipe	m	24		
2.16.5		42 mm Pipe	m	48		
2.16.6		54 mm Pipe	m	66		
2.16.7		76 mm Pipe	m	5		
2.17		<u>HOT WATER PIPE INSULATION</u>  <u>Install rigid non-combustible light weight "Snap on Pipe" Glasswool insulation, Isover or similar approved, with wall thickness of (15/20/25/40/50) mm with vapour tin foil reinforced barrier facing for hot water piping. Install in accordance with manufacturer's detail &amp; specification.</u>				
2.17.1		15 mm Pipe	m	60		
2.17.2		20 mm Pipe	m	24		
		Carried to Collection				

**TENDER NO**  
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Item	Payment refers	Description	Unit	Quantity	Rate	Amount
	SANS	<b>BILL NO. 2 : WET SERVICES</b>				
2.17.3		25 mm Pipe	m	12		
2.17.4		40 mm Pipe	m	48		
2.17.5		50 mm Pipe	m	54		
2.18		<u>External Aluminium cladding over insulation</u>				
2.18.1		20 mm Pipe	m	36		
2.18.2		25mm Pipe	m	24		
2.18.3		32mm Pipe	m	36		
2.18.4		40mm Pipe	m	48		
2.18.5		50mm Pipe	m	96		
		Carried to Collection				
<b>BILL NO. 2 : WET SERVICES</b> <b>WATER SUPPLY - TRT TRAINING</b> <b>Tshepong Hospital BOQ</b>						

**TENDER NO**  
**TSHEPONG HOSPITAL : Repairs and Renovation**

Item	Payment refers	Description	Unit	Quantity	Rate	Amount
	SANS	<b>BILL NO. 2 : WET SERVICES</b>				
2.19		<p><b><u>WATER SUPPLY - WARD 1</u></b></p> <p><b><u>HOT WATER SYSTEM</u></b></p> <p><b><u>PIPES AND FITTINGS</u></b></p> <p><b><u>COPPER PIPE</u></b></p> <p><u>Supply and install Class 1 copper pipes with and including brackets, fittings fixed to walls, etc.</u></p> <p><u>Note : Rate to include all fittings; bends, elbows, t-pieces, reducers, couplers inclusive of labour, etc.</u></p>				
2.19.1		15 mm Pipe	m	33		
2.19.2		22 mm Pipe	m	36		
2.19.3		28 mm Pipe	m	12		
2.19.4		35 mm Pipe	m	24		
2.19.5		42 mm Pipe	m	48		
2.19.6		54 mm Pipe	m	24		
2.19.7		76 mm Pipe	m	4		
2.20		<b><u>HOT WATER PIPE INSULATION</u></b>				
		<p><u>Install rigid non-combustible light weight "Snap on Pipe" Glasswool insulation, Isover or similar approved, with wall thickness of (15/20/25/40/50) mm with vapour tin foil reinforced barrier facing for hot water piping. Install in accordance with manufacturer's detail &amp; specification.</u></p>				
2.20.1		15 mm Pipe	m	66		
2.20.2		20 mm Pipe	m	24		
		Carried to Collection				
<b>BILL NO. 2 : WET SERVICES</b> <b>WATER SUPPLY - WARD 1</b> Tshepong Hospital BOQ						

**TENDER NO**  
**TSHEPONG HOSPITAL : Repairs and Renovation**

Item	Payment refers	Description	Unit	Quantity	Rate	Amount
	SANS	<b>BILL NO. 2 : WET SERVICES</b>				
2.20.3		25 mm Pipe	m	18		
2.20.4		40 mm Pipe	m	48		
2.20.5		50 mm Pipe	m	24		
2.21		<u>External Aluminium cladding over insulation</u>				
2.21.1		20 mm Pipe	m	18		
2.21.2		25mm Pipe	m	12		
2.21.3		32mm Pipe	m	24		
2.21.4		40mm Pipe	m	48		
2.21.5		50mm Pipe	m	42		
		Carried to Collection				
<b>BILL NO. 2 : WET SERVICES</b> <b>WATER SUPPLY - WARD 1</b> <b>Tshepong Hospital BOQ</b>						

**TENDER NO**  
**TSHEPONG HOSPITAL : Repairs and Renovation**

Item	Payment refers	Description	Unit	Quantity	Rate	Amount
	SANS	<b>BILL NO. 2 : WET SERVICES</b>				
2.22		<p><b><u>WATER SUPPLY - WARD 2</u></b></p> <p><b><u>HOT WATER SYSTEM</u></b></p> <p><b><u>PIPES AND FITTINGS</u></b></p> <p><b><u>COPPER PIPE</u></b></p> <p><u>Supply and install Class 1 copper pipes with and including brackets, fittings fixed to walls, etc.</u></p> <p><u>Note : Rate to include all fittings; bends, elbows, t-pieces, reducers, couplers inclusive of labour, etc.</u></p>				
2.22.1		15 mm Pipe	m	60		
2.22.2		22 mm Pipe	m	24		
2.22.3		28 mm Pipe	m	12		
2.22.4		35 mm Pipe	m	24		
2.22.5		42 mm Pipe	m	48		
2.22.6		54 mm Pipe	m	54		
2.22.7		76 mm Pipe	m	4		
2.23		<b><u>HOT WATER PIPE INSULATION</u></b>				
2.23.1		<p><u>Install rigid non-combustible light weight "Snap on Pipe" Glasswool insulation, Isover or similar approved, with wall thickness of (15/20/25/40/50) mm with vapour tin foil reinforced barrier facing for hot water piping. Install in accordance with manufacturer's detail &amp; specification.</u></p>				
2.23.2		15 mm Pipe	m	54		
		20 mm Pipe	m	36		
		Carried to Collection				
<b>BILL NO. 2 : WET SERVICES</b> <b>WATER SUPPLY - WARD 2</b> Tshepong Hospital BOQ						

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**TSHEPONG HOSPITAL : Repairs and Renovation**

Item	Payment refers	Description	Unit	Quantity	Rate	Amount
	SANS	<b>BILL NO. 2 : WET SERVICES</b>				
2.23.3		25 mm Pipe	m	24		
2.23.4		40 mm Pipe	m	48		
2.23.5		50 mm Pipe	m	33		
2.24		<u>External Aluminium cladding over insulation</u>				
2.24.1		20 mm Pipe	m	48		
2.24.2		25mm Pipe	m	12		
2.24.3		32mm Pipe	m	18		
2.24.4		40mm Pipe	m	24		
2.24.5		50mm Pipe	m	54		
		Carried to Collection				
<b>BILL NO. 2 : WET SERVICES</b> <b>WATER SUPPLY - WARD 2</b> <b>Tshepong Hospital BOQ</b>						

**TENDER NO**  
**TSHEPONG HOSPITAL : Repairs and Renovation**

Item	Payment refers	Description	Unit	Quantity	Rate	Amount
	SANS	<b>BILL NO. 2 : WET SERVICES</b>				
2.25		<p><b><u>WATER SUPPLY - WARD 3</u></b></p> <p><b><u>HOT WATER SYSTEM</u></b></p> <p><b><u>PIPES AND FITTINGS</u></b></p> <p><b><u>COPPER PIPE</u></b></p> <p><u>Supply and install Class 1 copper pipes with and including brackets, fittings fixed to walls, etc.</u></p> <p><u>Note : Rate to include all fittings; bends, elbows, t-pieces, reducers, couplers inclusive of labour, etc.</u></p>				
2.25.1		15 mm Pipe	m	66		
2.25.2		22 mm Pipe	m	36		
2.25.3		28 mm Pipe	m	18		
2.25.4		35 mm Pipe	m	24		
2.25.5		42 mm Pipe	m	48		
2.25.6		54 mm Pipe	m	54		
2.25.7		76 mm Pipe	m	4		
2.26		<b><u>HOT WATER PIPE INSULATION</u></b>				
		<p><u>Install rigid non-combustible light weight "Snap on Pipe" Glasswool insulation, Isover or similar approved, with wall thickness of (15/20/25/40/50) mm with vapour tin foil reinforced barrier facing for hot water piping. Install in accordance with manufacturer's detail &amp; specification.</u></p>				
2.26.1		15 mm Pipe	m	54		
2.26.1		20 mm Pipe	m	18		
		Carried to Collection				
<b>BILL NO. 2 : WET SERVICES</b> <b>WATER SUPPLY - WARD 3</b> Tshepong Hospital BOQ						

**TENDER NO**  
**TSHEPONG HOSPITAL : Repairs and Renovation**

Item	Payment refers	Description	Unit	Quantity	Rate	Amount
	SANS	<b>BILL NO. 2 : WET SERVICES</b>				
2.26.2		25 mm Pipe	m	54		
1226.3		40 mm Pipe	m	24		
2.26.4		50 mm Pipe	m	42		
2.27		<u>External Aluminium cladding over insulation</u>				
2.27.1		20 mm Pipe	m	36		
2.27.2		25mm Pipe	m	36		
2.27.3		32mm Pipe	m	54		
2.27.4		40mm Pipe	m	48		
2.27.5		50mm Pipe	m	60		
		Carried to Collection				
BILL NO. 2 : WET SERVICES WATER SUPPLY - WARD 3 Tshepong Hospital BOQ						

**TENDER NO**  
**TSHEPONG HOSPITAL : Repairs and Renovation**

Item	Payment refers	Description	Unit	Quantity	Rate	Amount
	SANS	<b>BILL NO. 2 : WET SERVICES</b>				
2.28		<p><b><u>WATER SUPPLY - WARD 4</u></b></p> <p><b><u>HOT WATER SYSTEM</u></b></p> <p><b><u>PIPES AND FITTINGS</u></b></p> <p><b><u>COPPER PIPE</u></b></p> <p><u>Supply and install Class 1 copper pipes with and including brackets, fittings fixed to walls, etc.</u></p> <p><u>Note : Rate to include all fittings; bends, elbows, t-pieces, reducers, couplers inclusive of labour, etc.</u></p>				
2.28.1		15 mm Pipe	m	30		
2.28.2		22 mm Pipe	m	12		
2.28.3		28 mm Pipe	m	12		
2.28.4		35 mm Pipe	m	24		
2.28.5		42 mm Pipe	m	48		
2.28.6		54 mm Pipe	m	48		
2.28.7		76 mm Pipe	m	2		
2.29		<b><u>HOT WATER PIPE INSULATION</u></b>				
		<p><u>Install rigid non-combustible light weight "Snap on Pipe" Glasswool insulation, Isover or similar approved, with wall thickness of (15/20/25/40/50) mm with vapour tin foil reinforced barrier facing for hot water piping. Install in accordance with manufacturer's detail &amp; specification.</u></p>				
2.29.1		15 mm Pipe	m	66		
2.29.2		20 mm Pipe	m	24		
		Carried to Collection				
<b>BILL NO. 2 : WET SERVICES</b> <b>WATER SUPPLY - WARD 4</b> Tshepong Hospital BOQ						

**TENDER NO**  
**TSHEPONG HOSPITAL : Repairs and Renovation**

Item	Payment refers	Description	Unit	Quantity	Rate	Amount
	SANS	<b>BILL NO. 2 : WET SERVICES</b>				
2.29.3		25 mm Pipe	m	12		
2.29.4		40 mm Pipe	m	48		
2.29.5		50 mm Pipe	m	72		
2.30		<u>External Aluminium cladding over insulation</u>				
2.30.1		20 mm Pipe	m	90		
2.30.2		25mm Pipe	m	54		
2.30.3		32mm Pipe	m	48		
2.30.4		40mm Pipe	m	60		
2.30.5		50mm Pipe	m	120		
		Carried to Collection				
<b>BILL NO. 2 : WET SERVICES</b> <b>WATER SUPPLY - WARD 4</b> <b>Tshepong Hospital BOQ</b>						

**TENDER NO**  
**TSHEPONG HOSPITAL : Repairs and Renovation**

Item	Payment refers	Description	Unit	Quantity	Rate	Amount
	SANS	<b>BILL NO. 2 : WET SERVICES</b>				
2.31		<p><b><u>WATER SUPPLY - WARD 5</u></b></p> <p><b><u>HOT WATER SYSTEM</u></b></p> <p><b><u>PIPES AND FITTINGS</u></b></p> <p><b><u>COPPER PIPE</u></b></p> <p><u>Supply and install Class 1 copper pipes with and including brackets, fittings fixed to walls, etc.</u></p> <p><u>Note : Rate to include all fittings; bends, elbows, t-pieces, reducers, couplers inclusive of labour, etc.</u></p>				
2.31.1		15 mm Pipe	m	66		
2.31.2		22 mm Pipe	m	24		
2.31.3		28 mm Pipe	m	12		
2.31.4		35 mm Pipe	m	24		
2.31.5		42 mm Pipe	m	48		
2.31.6		54 mm Pipe	m	33		
2.31.7		76 mm Pipe	m	4		
2.32		<b><u>HOT WATER PIPE INSULATION</u></b>				
		<p><u>Install rigid non-combustible light weight "Snap on Pipe" Glasswool insulation, Isover or similar approved, with wall thickness of (15/20/25/40/50) mm with vapour tin foil reinforced barrier facing for hot water piping. Install in accordance with manufacturer's detail &amp; specification.</u></p>				
2.32.1		15 mm Pipe	m	90		
2.32.2		20 mm Pipe	m	36		
		Carried to Collection				
<b>BILL NO. 2 : WET SERVICES</b> <b>WATER SUPPLY - WARD 5</b> Tshepong Hospital BOQ						

**TENDER NO**  
**TSHEPONG HOSPITAL : Repairs and Renovation**

Item	Payment refers	Description	Unit	Quantity	Rate	Amount
	SANS	<b>BILL NO. 2 : WET SERVICES</b>				
2.32.3		25 mm Pipe	m	36		
2.32.4		40 mm Pipe	m	36		
2.32.5		50 mm Pipe	m	54		
2.33		<u>External Aluminium cladding over insulation</u>				
2.33.1		20 mm Pipe	m	66		
2.33.2		25mm Pipe	m	24		
2.33.3		32mm Pipe	m	54		
2.33.4		40mm Pipe	m	36		
2.33.5		50mm Pipe	m	72		
		Carried to Collection				
<b>BILL NO. 2 : WET SERVICES</b> <b>WATER SUPPLY - WARD 5</b> <b>Tshepong Hospital BOQ</b>						

**TENDER NO**  
**TSHEPONG HOSPITAL : Repairs and Renovation**

Item	Payment refers	Description	Unit	Quantity	Rate	Amount
	SANS	<b>BILL NO. 2 : WET SERVICES</b>				
2.34		<p><b><u>WATER SUPPLY - WARD 6</u></b></p> <p><b><u>HOT WATER SYSTEM</u></b></p> <p><b><u>PIPES AND FITTINGS</u></b></p> <p><b><u>COPPER PIPE</u></b></p> <p><u>Supply and install Class 1 copper pipes with and including brackets, fittings fixed to walls, etc.</u></p> <p><u>Note : Rate to include all fittings; bends, elbows, t-pieces, reducers, couplers inclusive of labour, etc.</u></p>				
2.34.1		15 mm Pipe	m	54		
2.34.2		22 mm Pipe	m	12		
2.34.3		28 mm Pipe	m	12		
2.34.4		35 mm Pipe	m	24		
2.34.5		42 mm Pipe	m	18		
2.34.6		54 mm Pipe	m	72		
2.34.7		76 mm Pipe	m	6		
2.35		<b><u>HOT WATER PIPE INSULATION</u></b>				
		<p><u>Install rigid non-combustible light weight "Snap on Pipe" Glasswool insulation, Isover or similar approved, with wall thickness of (15/20/25/40/50) mm with vapour tin foil reinforced barrier facing for hot water piping. Install in accordance with manufacturer's detail &amp; specification.</u></p>				
2.35.1		15 mm Pipe	m	90		
2.35.2		20 mm Pipe	m	36		
		Carried to Collection				
<b>BILL NO. 2 : WET SERVICES</b> <b>WATER SUPPLY - WARD 6</b> Tshepong Hospital BOQ						

**TENDER NO**  
**TSHEPONG HOSPITAL : Repairs and Renovation**

Item	Payment refers	Description	Unit	Quantity	Rate	Amount
	SANS	<b>BILL NO. 2 : WET SERVICES</b>				
2.35.3		25 mm Pipe	m	12		
2.35.4		40 mm Pipe	m	48		
2.35.5		50 mm Pipe	m	24		
2.36		<u>External Aluminium cladding over insulation</u>				
2.36.1		20 mm Pipe	m	12		
2.36.2		25mm Pipe	m	12		
2.36.3		32mm Pipe	m	12		
2.36.4		40mm Pipe	m	24		
2.36.5		50mm Pipe	m	48		
		Carried to Collection				
BILL NO. 2 : WET SERVICES WATER SUPPLY - WARD 6 Tshepong Hospital BOQ						

**TENDER NO**  
**TSHEPONG HOSPITAL : Repairs and Renovation**

Item	Payment refers	Description	Unit	Quantity	Rate	Amount
	SANS	<b>BILL NO. 2 : WET SERVICES</b>				
2.37		<p><b><u>WATER SUPPLY - WARD 7</u></b></p> <p><b><u>HOT WATER SYSTEM</u></b></p> <p><b><u>PIPES AND FITTINGS</u></b></p> <p><b><u>COPPER PIPE</u></b></p> <p><u>Supply and install Class 1 copper pipes with and including brackets, fittings fixed to walls, etc.</u></p> <p><u>Note : Rate to include all fittings; bends, elbows, t-pieces, reducers, couplers inclusive of labour, etc.</u></p>				
2.37.1		15 mm Pipe	m	54		
2.37.2		22 mm Pipe	m	12		
2.37.3		28 mm Pipe	m	12		
2.37.4		35 mm Pipe	m	24		
2.37.5		42 mm Pipe	m	18		
2.37.6		54 mm Pipe	m	48		
2.37.7		76 mm Pipe	m	4		
2.38		<b><u>HOT WATER PIPE INSULATION</u></b>				
		<p><u>Install rigid non-combustible light weight "Snap on Pipe" Glasswool insulation, Isover or similar approved, with wall thickness of (15/20/25/40/50) mm with vapour tin foil reinforced barrier facing for hot water piping. Install in accordance with manufacturer's detail &amp; specification.</u></p>				
2.38.1		15 mm Pipe	m	90		
2.38.2		20 mm Pipe	m	24		
		Carried to Collection				
<b>BILL NO. 2 : WET SERVICES</b> <b>WATER SUPPLY - WARD 7</b> Tshepong Hospital BOQ						

**TENDER NO**  
**TSHEPONG HOSPITAL : Repairs and Renovation**

Item	Payment refers	Description	Unit	Quantity	Rate	Amount
	SANS	<b>BILL NO. 2 : WET SERVICES</b>				
2.38.3		25 mm Pipe	m	12		
2.38.3		40 mm Pipe	m	48		
2.38.4		50 mm Pipe	m	66		
2.39		<u>External Aluminium cladding over insulation</u>				
2.39.1		20 mm Pipe	m	24		
2.39.2		25mm Pipe	m	24		
2.39.3		32mm Pipe	m	24		
2.39.4		40mm Pipe	m	12		
2.39.5		50mm Pipe	m	48		
		Carried to Collection				
<b>BILL NO. 2 : WET SERVICES</b> <b>WATER SUPPLY - WARD 7</b> <b>Tshepong Hospital BOQ</b>						

**TENDER NO**  
**TSHEPONG HOSPITAL : Repairs and Renovation**

Item	Payment refers	Description	Unit	Quantity	Rate	Amount
	SANS	<b>BILL NO. 2 : WET SERVICES</b>				
2.40		<p><b><u>WATER SUPPLY - WARD 8</u></b></p> <p><b><u>HOT WATER SYSTEM</u></b></p> <p><b><u>PIPES AND FITTINGS</u></b></p> <p><b><u>COPPER PIPE</u></b></p> <p><u>Supply and install Class 1 copper pipes with and including brackets, fittings fixed to walls, etc.</u></p> <p><u>Note : Rate to include all fittings; bends, elbows, t-pieces, reducers, couplers inclusive of labour, etc.</u></p>				
2.40.1		15 mm Pipe	m	12		
2.40.2		22 mm Pipe	m	12		
2.40.3		28 mm Pipe	m	12		
2.40.4		35 mm Pipe	m	24		
2.40.4		42 mm Pipe	m	48		
2.40.5		54 mm Pipe	m	24		
2.40.6		76 mm Pipe	m	2		
2.41		<b><u>HOT WATER PIPE INSULATION</u></b>				
		<p><u>Install rigid non-combustible light weight "Snap on Pipe" Glasswool insulation, Isover or similar approved, with wall thickness of (15/20/25/40/50) mm with vapour tin foil reinforced barrier facing for hot water piping. Install in accordance with manufacturer's detail &amp; specification.</u></p>				
2.41.1		15 mm Pipe	m	12		
2.41.2		20 mm Pipe	m	12		
		Carried to Collection				
<b>BILL NO. 2 : WET SERVICES</b> <b>WATER SUPPLY - WARD 8</b> Tshepong Hospital BOQ						

**TENDER NO**  
**TSHEPONG HOSPITAL : Repairs and Renovation**

Item	Payment refers	Description	Unit	Quantity	Rate	Amount
	SANS	<b>BILL NO. 2 : WET SERVICES</b>				
2.41.3		25 mm Pipe	m	12		
2.41.4		40 mm Pipe	m	48		
2.41.5		50 mm Pipe	m	24		
2.42		<u>External Aluminium cladding over insulation</u>				
2.42.1		20 mm Pipe	m	12		
2.42.2		25mm Pipe	m	12		
2.42.3		32mm Pipe	m	12		
2.42.4		40mm Pipe	m	24		
2.42.5		50mm Pipe	m	48		
		Carried to Collection				
BILL NO. 2 : WET SERVICES WATER SUPPLY - WARD 8 Tshepong Hospital BOQ						

**TENDER NO**  
**TSHEPONG HOSPITAL : Repairs and Renovation**

Item	Payment refers	Description	Unit	Quantity	Rate	Amount
	SANS	<b>BILL NO. 2 : WET SERVICES</b>				
2.43		<p><b><u>WATER SUPPLY - WARD 9</u></b></p> <p><b><u>HOT WATER SYSTEM</u></b></p> <p><b><u>PIPES AND FITTINGS</u></b></p> <p><b><u>COPPER PIPE</u></b></p> <p><u>Supply and install Class 1 copper pipes with and including brackets, fittings fixed to walls, etc.</u></p> <p><u>Note : Rate to include all fittings; bends, elbows, t-pieces, reducers, couplers inclusive of labour, etc.</u></p>				
2.43.1		15 mm Pipe	m	12		
2.43.2		22 mm Pipe	m	12		
2.43.3		28 mm Pipe	m	12		
2.43.4		35 mm Pipe	m	12		
2.43.5		42 mm Pipe	m	48		
2.43.6		54 mm Pipe	m	24		
2.43.7		76 mm Pipe	m	1		
2.44		<b><u>HOT WATER PIPE INSULATION</u></b>				
		<p><u>Install rigid non-combustible light weight "Snap on Pipe" Glasswool insulation, Isover or similar approved, with wall thickness of (15/20/25/40/50) mm with vapour tin foil reinforced barrier facing for hot water piping. Install in accordance with manufacturer's detail &amp; specification.</u></p>				
2.44.1		15 mm Pipe	m	12		
2.44.2		20 mm Pipe	m	12		
		Carried to Collection				
<b>BILL NO. 2 : WET SERVICES</b> <b>WATER SUPPLY - WARD 9</b> Tshepong Hospital BOQ						

**TENDER NO**  
**TSHEPONG HOSPITAL : Repairs and Renovation**

Item	Payment refers	Description	Unit	Quantity	Rate	Amount
	SANS	<b>BILL NO. 2 : WET SERVICES</b>				
2.44.3		25 mm Pipe	m	12		
2.44.4		40 mm Pipe	m	48		
2.44.5		50 mm Pipe	m	24		
2.45		<u>External Aluminium cladding over insulation</u>				
2.45.1		20 mm Pipe	m	12		
2.45.2		25mm Pipe	m	12		
2.45.3		32mm Pipe	m	12		
2.45.4		40mm Pipe	m	24		
2.45.5		50mm Pipe	m	48		
		Carried to Collection				
<b>BILL NO. 2 : WET SERVICES</b> <b>WATER SUPPLY - WARD 9</b> <b>Tshepong Hospital BOQ</b>						

**TENDER NO**  
**TSHEPONG HOSPITAL : Repairs and Renovation**

Item	Payment refers	Description	Unit	Quantity	Rate	Amount
	SANS	<b>BILL NO. 2 : WET SERVICES</b>				
2.46		<u>WATER SUPPLY - WARD 10</u> <u>HOT WATER SYSTEM</u> <u>PIPES AND FITTINGS</u> <u>COPPER PIPE</u> <u>Supply and install Class 1 copper pipes with and including brackets, fittings fixed to walls, etc.</u> <u>Note : Rate to include all fittings; bends, elbows, t-pieces, reducers, couplers inclusive of labour, etc.</u>				
2.46.1		15 mm Pipe	m	12		
2.46.2		22 mm Pipe	m	12		
2.46.3		28 mm Pipe	m	12		
2.46.4		35 mm Pipe	m	24		
2.46.5		42 mm Pipe	m	24		
2.46.6		54 mm Pipe	m	24		
2.46.7		76 mm Pipe	m	2		
2.47		<u>HOT WATER PIPE INSULATION</u>  <u>Install rigid non-combustible light weight "Snap on Pipe" Glasswool insulation, Isover or similar approved, with wall thickness of (15/20/25/40/50) mm with vapour tin foil reinforced barrier facing for hot water piping. Install in accordance with manufacturer's detail &amp; specification.</u>				
2.47.1		15 mm Pipe	m	12		
2.47.2		20 mm Pipe	m	12		
		Carried to Collection				
<b>BILL NO. 2 : WET SERVICES</b> <b>WATER SUPPLY - WARD 10</b> Tshepong Hospital BOQ						

**TENDER NO**  
**TSHEPONG HOSPITAL : Repairs and Renovation**

Item	Payment refers	Description	Unit	Quantity	Rate	Amount
	SANS	<b>BILL NO. 2 : WET SERVICES</b>				
2.47.3		25 mm Pipe	m	12		
2.47.4		40 mm Pipe	m	24		
2.47.5		50 mm Pipe	m	12		
2.48		<u>External Aluminium cladding over insulation</u>				
2.48.1		20 mm Pipe	m	12		
2.48.2		25mm Pipe	m	12		
2.48.3		32mm Pipe	m	12		
2.48.4		40mm Pipe	m	24		
2.48.5		50mm Pipe	m	48		
		Carried to Collection				
<b>BILL NO. 2 : WET SERVICES</b> <b>WATER SUPPLY - WARD 10</b> <b>Tshepong Hospital BOQ</b>						

**TENDER NO**  
**TSHEPONG HOSPITAL : Repairs and Renovation**

Item	Payment refers	Description	Unit	Quantity	Rate	Amount
	SANS	<b>BILL NO. 2 : WET SERVICES</b>				
2.49		<p><b><u>WATER SUPPLY - WARD 11</u></b></p> <p><b><u>HOT WATER SYSTEM</u></b></p> <p><b><u>PIPES AND FITTINGS</u></b></p> <p><b><u>COPPER PIPE</u></b></p> <p><u>Supply and install Class 1 copper pipes with and including brackets, fittings fixed to walls, etc.</u></p> <p><u>Note : Rate to include all fittings; bends, elbows, t-pieces, reducers, couplers inclusive of labour, etc.</u></p>				
2.49.1		15 mm Pipe	m	36		
2.49.2		22 mm Pipe	m	12		
2.49.3		28 mm Pipe	m	12		
2.49.4		35 mm Pipe	m	24		
2.49.5		42 mm Pipe	m	48		
2.49.6		54 mm Pipe	m	24		
2.49.7		76 mm Pipe	m	2		
2.50		<p><b><u>HOT WATER PIPE INSULATION</u></b></p> <p><u>Install rigid non-combustible light weight "Snap on Pipe" Glasswool insulation, Isover or similar approved, with wall thickness of (15/20/25/40/50) mm with vapour tin foil reinforced barrier facing for hot water piping. Install in accordance with manufacturer's detail &amp; specification.</u></p>				
2.50.1		15 mm Pipe	m	12		
2.50.2		20 mm Pipe	m	12		
		Carried to Collection				
<p><b>BILL NO. 2 : WET SERVICES</b></p> <p><b>WATER SUPPLY - WARD 11</b></p> <p>Tshepong Hospital BOQ</p>						

**TENDER NO**  
**TSHEPONG HOSPITAL : Repairs and Renovation**

Item	Payment refers	Description	Unit	Quantity	Rate	Amount
	SANS	<b>BILL NO. 2 : WET SERVICES</b>				
2.50.3		25 mm Pipe	m	12		
2.50.4		40 mm Pipe	m	48		
2.50.5		50 mm Pipe	m	24		
2.51		<u>External Aluminium cladding over insulation</u>				
2.51.1		20 mm Pipe	m	12		
2.51.2		25mm Pipe	m	12		
2.51.3		32mm Pipe	m	12		
2.51.4		40mm Pipe	m	24		
2.51.5		50mm Pipe	m	48		
		Carried to Collection				
<b>BILL NO. 2 : WET SERVICES</b> <b>WATER SUPPLY - WARD 11</b> <b>Tshepong Hospital BOQ</b>						

**TENDER NO**  
**TSHEPONG HOSPITAL : Repairs and Renovation**

Item	Payment refers	Description	Unit	Quantity	Rate	Amount
	SANS	<b>BILL NO. 2 : WET SERVICES</b>				
2.52		<p><b><u>WATER SUPPLY - WARD 12</u></b></p> <p><b><u>HOT WATER SYSTEM</u></b></p> <p><b><u>PIPES AND FITTINGS</u></b></p> <p><b><u>COPPER PIPE</u></b></p> <p><u>Supply and install Class 1 copper pipes with and including brackets, fittings fixed to walls, etc.</u></p> <p><u>Note : Rate to include all fittings; bends, elbows, t-pieces, reducers, couplers inclusive of labour, etc.</u></p>				
2.52.1		15 mm Pipe	m	12		
2.52.2		22 mm Pipe	m	12		
2.52.3		28 mm Pipe	m	12		
2.52.4		35 mm Pipe	m	24		
2.52.5		42 mm Pipe	m	48		
2.52.6		54 mm Pipe	m	24		
2.52.7		76 mm Pipe	m	2		
2.53		<p><b><u>HOT WATER PIPE INSULATION</u></b></p> <p><u>Install rigid non-combustible light weight "Snap on Pipe" Glasswool insulation, Isover or similar approved, with wall thickness of (15/20/25/40/50) mm with vapour tin foil reinforced barrier facing for hot water piping. Install in accordance with manufacturer's detail &amp; specification.</u></p>				
2.53.1		15 mm Pipe	m	12		
2.53.2		20 mm Pipe	m	12		
		Carried to Collection				
<p><b>BILL NO. 2 : WET SERVICES</b></p> <p><b>WATER SUPPLY - WARD 12</b></p> <p>Tshepong Hospital BOQ</p>						

**TENDER NO**  
**TSHEPONG HOSPITAL : Repairs and Renovation**

Item	Payment refers	Description	Unit	Quantity	Rate	Amount
	SANS	<b>BILL NO. 2 : WET SERVICES</b>				
2.53.3		25 mm Pipe	m	12		
2.53.4		40 mm Pipe	m	48		
2.53.5		50 mm Pipe	m	24		
2.54		<u>External Aluminium cladding over insulation</u>				
2.54.1		20 mm Pipe	m	12		
2.54.2		25mm Pipe	m	12		
2.54.3		32mm Pipe	m	12		
2.54.4		40mm Pipe	m	12		
2.54.5		50mm Pipe	m	48		
		Carried to Collection				
<b>BILL NO. 2 : WET SERVICES</b> <b>WATER SUPPLY - WARD 12</b> <b>Tshepong Hospital BOQ</b>						

**TENDER NO**  
**TSHEPONG HOSPITAL : Repairs and Renovation**

Item	Payment refers	Description	Unit	Quantity	Rate	Amount
	SANS	<b>BILL NO. 2 : WET SERVICES</b>				
2.55		<p><b><u>WATER SUPPLY - WARD 13</u></b></p> <p><b><u>HOT WATER SYSTEM</u></b></p> <p><b><u>PIPES AND FITTINGS</u></b></p> <p><b><u>COPPER PIPE</u></b></p> <p><u>Supply and install Class 1 copper pipes with and including brackets, fittings fixed to walls, etc.</u></p> <p><u>Note : Rate to include all fittings; bends, elbows, t-pieces, reducers, couplers inclusive of labour, etc.</u></p>				
2.55.1		15 mm Pipe	m	12		
2.55.2		22 mm Pipe	m	12		
2.55.3		28 mm Pipe	m	12		
2.55.4		35 mm Pipe	m	24		
2.55.5		42 mm Pipe	m	48		
2.55.6		54 mm Pipe	m	24		
2.55.7		76 mm Pipe	m	2		
2.56		<b><u>HOT WATER PIPE INSULATION</u></b>				
		<p><u>Install rigid non-combustible light weight "Snap on Pipe" Glasswool insulation, Isover or similar approved, with wall thickness of (15/20/25/40/50) mm with vapour tin foil reinforced barrier facing for hot water piping. Install in accordance with manufacturer's detail &amp; specification.</u></p>				
2.56.1		15 mm Pipe	m	12		
2.56.2		20 mm Pipe	m	12		
		Carried to Collection				
<b>BILL NO. 2 : WET SERVICES</b> <b>WATER SUPPLY - WARD 13</b> Tshepong Hospital BOQ						

**TENDER NO**  
**TSHEPONG HOSPITAL : Repairs and Renovation**

Item	Payment refers	Description	Unit	Quantity	Rate	Amount
	SANS	<b>BILL NO. 2 : WET SERVICES</b>				
2.56.3		25 mm Pipe	m	12		
2.56.4		40 mm Pipe	m	48		
2.56.5		50 mm Pipe	m	12		
2.57		<u>External Aluminium cladding over insulation</u>				
2.57.1		20 mm Pipe	m	12		
2.57.2		25mm Pipe	m	12		
2.57.3		32mm Pipe	m	12		
2.57.4		40mm Pipe	m	24		
2.57.5		50mm Pipe	m	48		
		Carried to Collection				
<b>BILL NO. 2 : WET SERVICES</b> <b>WATER SUPPLY - WARD 13</b> <b>Tshepong Hospital BOQ</b>						

**TENDER NO**  
**TSHEPONG HOSPITAL : Repairs and Renovation**

Item	Payment refers	Description	Unit	Quantity	Rate	Amount
	SANS	<b>BILL NO. 2 : WET SERVICES</b>				
2.58		<p><b><u>WATER SUPPLY - WARD 14</u></b></p> <p><b><u>HOT WATER SYSTEM</u></b></p> <p><b><u>PIPES AND FITTINGS</u></b></p> <p><b><u>COPPER PIPE</u></b></p> <p><u>Supply and install Class 1 copper pipes with and including brackets, fittings fixed to walls, etc.</u></p> <p><u>Note : Rate to include all fittings; bends, elbows, t-pieces, reducers, couplers inclusive of labour, etc.</u></p>				
2.58.1		15 mm Pipe	m	12		
2.58.2		22 mm Pipe	m	12		
2.58.3		28 mm Pipe	m	12		
2.58.4		35 mm Pipe	m	24		
2.58.5		42 mm Pipe	m	48		
2.58.6		54 mm Pipe	m	24		
2.58.7		76 mm Pipe	m	2		
2.59		<p><b><u>HOT WATER PIPE INSULATION</u></b></p> <p><u>Install rigid non-combustible light weight "Snap on Pipe" Glasswool insulation, Isover or similar approved, with wall thickness of (15/20/25/40/50) mm with vapour tin foil reinforced barrier facing for hot water piping. Install in accordance with manufacturer's detail &amp; specification.</u></p>				
2.59.1		15 mm Pipe	m	12		
2.59.2		20 mm Pipe	m	12		
		Carried to Collection				
<p><b>BILL NO. 2 : WET SERVICES</b></p> <p><b>WATER SUPPLY - WARD 14</b></p> <p>Tshepong Hospital BOQ</p>						

**TENDER NO**  
**TSHEPONG HOSPITAL : Repairs and Renovation**

Item	Payment refers	Description	Unit	Quantity	Rate	Amount
	SANS	<b>BILL NO. 2 : WET SERVICES</b>				
2.59.3		25 mm Pipe	m	12		
2.59.4		40 mm Pipe	m	48		
2.59.5		50 mm Pipe	m	24		
2.60		<u>External Aluminium cladding over insulation</u>				
2.60.1		20 mm Pipe	m	12		
2.60.2		25mm Pipe	m	12		
2.60.3		32mm Pipe	m	12		
2.60.4		40mm Pipe	m	24		
2.60.5		50mm Pipe	m	48		
		Carried to Collection				
<b>BILL NO. 2 : WET SERVICES</b> <b>WATER SUPPLY - WARD 14</b> <b>Tshepong Hospital BOQ</b>						

**TENDER NO**  
**TSHEPONG HOSPITAL : Repairs and Renovation**

Item	Payment refers	Description	Unit	Quantity	Rate	Amount
	SANS	<b>BILL NO. 2 : WET SERVICES</b>				
		<u>WATER SUPPLY</u>				
		<u>HOT WATER CALORIFIER</u>				
2.61		<u>HOT WATER SYSTEM CONTROL PANEL</u>				
2.61.1		Supply and install control panel for hot water system with required wiring circulator pumps. Complete with required isolator point. 2 Year warranty	No.	7		
2.61.2		<u>HOT WATER CIRCULATORY PUMPS</u>  Kwikot IND-CPN-25-4-BR or similar, (duty 25L/min @0.3m head), including 2 x Union sets for circulator pumps, 4 x 20 mm Ball valves, 2 x Brass y-strainers, 2 x 20 mm Spring loaded non returns, 1 x Thermometer and 1 x Air release valve, etc. complete	No.	12		
		Carried to Collection				
BILL NO. 2 : WET SERVICES WATER SUPPLY Tshepong Hospital BOQ						

**TENDER NO**  
**TSHEPONG HOSPITAL : Repairs and Renovation**

Item	Description	Page No	Amount
	<b>BILL NO. 2 : WET SERVICES</b>		
	<u>WATER SUPPLY - COLLECTION</u>	6	
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	CARRIED TO SUMMARY	R	
	BILL NO. 2 : WET SERVICES		
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	Tshepong Hospital BOQ		Page 46

**TENDER NO  
TSHEPONG HOSPITAL : Repairs and Renovation**

Item	Description	Page No	Amount
	<b><u>FINAL SUMMARY</u></b>		
Bill No.			
1	<b>PRELIMINARIES</b>	4	
2	<b>WET SERVICES :</b>		
	Water Supply	46	
	<b>Sub total (Excl. VAT)</b>		
	<b>Builders Works (Excl. VAT)</b>		
	<b>Sub title 2 (Excl. VAT)</b>		
	<b>Contingency 10%</b>		
	<b>Total</b>		
	<b>Add 15%</b>		
	<b>Grand Total</b>		
	<b>TOTAL TENDER SUM INCLUSIVE OF TAX CARRIED TO FORM OF OFFER</b>	<b>R</b>	
	<b>FINAL SUMMARY</b>		