

Tender No.:

10406386

WATERVAL RESERVOIR F25/Q5 CROSS CONNECTION

Description:

Installation of F25/Q5 Cross Connection at Waterval reservoir

SCHEDULE A: P&amp;G

Item No.	Payment Refers	Description	Unit	Qty	Rate	Amount
A	SABS 1200AA	<b>SECTION 1: PRELIMINARY &amp; GENERAL FIXED CHARGES</b>				
A1.1	8.3.1	<b>Contractual Requirements</b>				
A1.1.1		Contractual Requirements	Sum	1		
A1.2	8.3.2.	<b>Provision of Facilities on Site</b>				
A1.2.1	a)	Facilities required by resindets Engineer	Sum	0		
	b)	Facilities required by Contractor	Sum	1		
A1.3	8.3.3	General Responsibilities and Other Fixed-term Obligations	Sum	1		
A1.4	8.3.4	Removal of Site Establishment	Sum	1		
A1.5	PSA 8.10	<b>HIV / AIDS awareness</b>				
A1.5.1		Conduct HIV/AIDS awareness programme workshops on site for not less than 90% of the workers inclusive of all direct and indirect costs	Sum	1		
A1.5.1.1		Provide and maintain condom dispenser	Sum	1		
A1.5.1.2		Provide and maintain HIV/AIDS awareness posters	Sum	1		
A1.5.1.3		Provide information regarding voluntary testing of construction workers and counselling, support and care in a monthly report.	Sum	1		
	8.3.8.1	Existing services				
	a)	The supply of specialist equipment for detection (exposure, protection and alteration).	Sum	1		
<b>Carried Forward</b>						

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Item No.	Payment Refers	Description	Unit	Qty	Rate	Amount
<b>Brought Forward</b>						
	SABS 1200AA	<b>SECTION 1: PRELIMINARY &amp; GENERAL TIME RELATED ITEMS</b>				
A1.7	8.4.1	<b>Contractual Requirements</b>				
A1.7.1		Contractual Requirements	Sum	1		
A1.8	8.4.2	<b>Operation and Maintenance of Facilities on Site</b>				
A1.8.1	a)	Facilities for Engineer	sum	1		
A1.8.2	b)	Facilities for Contractor	sum	1		
A1.8.3	8.4.3	Genral Responsibilities and other Time-related Obligations	Sum	1		
A1.9		<b>HIV / AIDS awareness</b>				
A1.9.1	PSA 8.10	Conduct HIV/AIDS awareness programme workshops on site for not less than 90% of the workers inclusive of all direct and indirect costs	Sum	0		
A1.9.2	PSA 8.10	Provide and maintain condom dispenser	Sum	1		
A1.9.3	PSA 8.10	Provide and maintain HIV/AIDS awareness posters	Sum	1		
A1.9.4	PSA 8.10	Provide information regarding voluntary testing of construction workers and counselling, support and care in a monthly report.	Sum	1		
A1.10		<b>High Voltage Safe Working Procedures</b>				
A1.10.1	PSA 8.10	Comply with Safe Working Procedures for pipeline construction within High Voltage Transmission Lines Servitude (See TS041 in Specification <i>Rand Water Cathodic Protection System Technical Specification</i> )	Sum	1		
	8.8.4	<b>Existing services</b>				
A1.11.2		(a) Supply or hire of specialist equipment for the detection of existing cables and pipelines on site (for verifications as may be directed by an Engineer)	Sum	1		
A1.11.3		(b) The use of equipment referred to in item (a) above	Sum	1		
A1.11.4		(c) Excavation by hand in soft material to expose services as directed by the Engineer	Sum	1		
A1.11.5		(d) Temporary protection of services as directed by the Engineer	Sum	1		
<b>SCHEDULE A SUBTOTAL CARRIED FORWARD TO SUMMARY</b>						

WATERVAL RESERVOIR F25/Q5 CROSS CONNECTION						
Contract No.:		10406386		SCHEDULE B: Environment		
Description:		Installation of F25/Q5 Cross Connection at Waterval reservoir				
Item No.	Payment Refers	Description	Unit	Qty	Rate	Amount
	PSAA 8.12	<b>Schedule B : ENVIRONMENT</b>				
B.1	TS 1.26	Signage and baricading. :A4 corex boards, no go sign, A4 corex board for top soil. A4 corex board of environmental emergency numbers,	Lump sum	1		
B.2		Pollution prevention (Dust, smoke, spillage, litter and any material that might be deemed as causing pollution.)	Lump sum	1		
B.3		Storm water deflection berms / cross embankments/erosion control berms for steep slope erosion protection or for the protection of topsoil stockpiles. This must include silt traps and sand bags to control storm water.	Lump sum	1		
B.4		Waste disposal provision at an approved location, including the arrangements for sanitation removal.	Lump sum	1		
B.5		Administration and documentation. To include an environmental risk assessmemnt with mitigations which will be followed, all waste disposal certificates, monitoring of environmental maters.	Lump sum	1		
B.6		Emergency reaction funding. The safe environmental removal of snakes, bees and other fauna, Fire,large oil spillages, and the event you discover something of archaeological significance and it requires an archaeologist to come to site.	Lump sum	1		
SCHEDULE B SUBTOTAL CARRIED FORWARD TO SUMMARY						

Contract No.: 10406386			WATERVAL RESERVOIR F25/Q5 CROSS CONNECTION			
Description: Installation of F25/Q5 Cross Connection at Waterval reservoir			SCHEDULE C: Health and Safety			
Item No.	Payment Refers	Description	Unit	Qty	Rate	Amount
C1	PSAA 8.11	<b>SECTION C: OCCUPATIONAL HEALTH AND SAFETY</b> Preparation of the Contractor's site specific Health and Safety Plan	Lump sum	1		
C2		Principal Contractor's initial obligations in respect of the Occupational Health and Safety Act and Construction Regulations	Lump sum	1		
C3		Principal Contractor's time related obligations in respect of the Occupational Health and Safety Act and Construction Regulations	Month	1		
C4		Provision of full Personal Protective Equipment (PPE)	Lump sum	1		
C5		Provision of a full time Construction Health and Safety Officer	Month	1		
C6		Cost of medical certificates and medical surveillance				
C6.1		(a) Initial (baseline) medical examinations	Lump sum	1		
C6.2		(b) Periodic and exit examinations	Lump sum	1		
C7		Induction Training	Lump sum	1		
C8		Provision of First Aid Boxes and other emergency safety equipment such as fire extinguishers	Lump sum	1		
C9		Transportation of Workers	Lump sum	1		
C10		Welfare Facilities (Clean drinking water, clean and usable ablution systems, eating area etc.)	Lump sum	1		
C11		Occupational Hygiene Surveys	Lump sum	1		
C12		Training (OH & S requirements)	Lump sum	1		
C13		Employee wellness programs	Lump sum	1		
C14	Submission of the Health and Safety File (hard and soft copies)	Lump sum	1			
C15	Provision of a safety officer	Limp sum	1			
SCHEDULE C SUBTOTAL CARRIED FORWARD TO SUMMARY						

Contract No.:

10406386

SCHEDULE E: Civil

Description:

Installation of F25/Q5 Cross Connection at Waterval reservoir

Item No	Payment Refers	Description	Unit	Qty	Rate	Amount
E		<b>SCHEDULE E : CIVIL</b>				
	SABS 1200GA	<b>SECTION 3: CONCRETE (VALVE CHAMBER)</b>				
E3.1	8.2	<b>Formwork</b>				
E3.1.1	8.2.1	Rough formwork (sides of base slab)	m <sup>2</sup>	15		
E3.1.2	8.2.2	Smooth formwork	m <sup>2</sup>	265		
E3.1.3	8.2.3	Narrow widths				
E3.1.3.1		Sides of roof slab (200mm high)	m	38		
E3.1.3.3		Sides of base slab (450mm high)	m	24		
E3.1.3.6		To form sides of sump below floor (200mm high)	m	2		
E3.1.4	8.2.4	Box out Holes / Form Voids				
E3.1.4.1		Box out for 500mm x 500mm x 200mm deep sump	No.	1		
E3.2	8.3	<b>Reinforcement</b>				
E3.2.1	8.3.1	Steel bars				
E3.2.1.1		Mild steel reinforcement	kg	100		
E3.2.1.2		High tensile steel reinforcement	kg	14000		
E3.3	8.4	<b>Concrete</b>				
E3.3.1	8.4.2	50mm Class 15/19MPa Blinding Layer:	m <sup>2</sup>	33		
E3.3.2	8.4.3	Grade 35MPa/19mm:	m <sup>3</sup>	62		
E3.3.3		Grade 15MPa (Mass concrete)	m <sup>3</sup>	1		
E3.4	8.4.4	Unformed surface finishes				
E3.4.1		Wood-floated finish to floor and roof slabs	m <sup>2</sup>	80		
E3.5	8.8	Miscellaneous				
E3.5.1		Cast in PVC sleeves:				
E3.5.1.1		50mm diameter x 200mm long	No.	12		
E3.5.1.2		160mm diameter x 400mm long (sealed by Mech. Contractor)	No.	1		
<b>Total Carried Forward</b>						

Total brought forward						
Item No	Payment Refers	Description	Unit	Qty	Rate	Amount
E3.5.1.3		110mm diameter x 400mm long including vermin proof fine mesh	No.	4		
E3.5.1.4		110mm diameter x 400mm long (sealed by Elec. Contractor)	No.	3		
E3.5.1.5		250mm diameter x 230mm long	No.	1		
E3.5.1.6		110mm diameter x 230mm long	No.	2		
E3.5.1.7		Supply and cast in standard Rand Water frame and sump cover	No.	1		
E3.5.1.8		Cast in standard Rand Water manhole frame and cover (supplied by Rand Water)	No.	1		
E3.5.1.9		Supply and install standard Rand Water grab rail	No.	1		
E3.5.1.10		Supply and install 12mm diameter holding down bolts (see details on Drg. No. RA61397-100, R061397-200)	No.	4		
E3.5.1.11		Gundle brickgrip DPC 375 bond breaker or similar approved for removable roof panels	m <sup>2</sup>	12		
E3.5.1.12		Rigid polymer modified liquid waterproofing (Refer to Concrete Note: 10 on <i>General Arrangement Drawings of Valve Chambers</i> )	m <sup>2</sup>	145		
E3.5.1.13		Supply and install standard Rand Water valve supports (see dwg. A12210)	No.	4		
E3.5.1.14		Supply in install fast curing, one component polyurethane sealant and adhesive 'SIKA SIKAFLEX-11FC + I-CURE or similar approved along all roof panel joints	m	15		
E3.5.1.15	SANS 2001-CC1- 5.1.6	Perform water tightness tests for each valve chamber	No.	1		
E3.5.1.16		Crystalline admixture to be added to concrete mix (e.g. Xypex)	Sum	1		
	SABS 1200HA	<b>SECTION 4: STRUCTURAL STEELWORK (SUNDRY ITEMS)</b>				
E4.1	8.3	<b>Scheduled Items</b>				
E4.1.1	8.3.3	Ladders complete and installed				
E4.1.2		a) Supply and install standard Rand Water <u>internal</u> catladder (refer to drawing R061397-200 for catladder lengths)	No.	1		
E4.1.3	8.3.1	Structural steel (Supply and install steel platforms excluding catladders (see dwg. R061397-200; RA26695)	Sum	1		
Section Carried Forward to Summary						R -

WATERVAL RESERVOIR F25/Q5 CROSS CONNECTION		
Tender No.: Description:	10406386 Installation of F25/Q5 Cross Connection at Waterval reservoir	Summary
<b>SUMMARY</b>		
<b>SCHEDULE</b>	<b>Description</b>	<b>Amount</b>
A	PRELIMINARY AND GENERAL	Not Applicable
B	ENVIRONMENT	
C	OCCUPATIONAL HEALTH AND SAFETY	
D	QUALITY	
E	CIVIL	
<b>SUBTOTAL A</b> .....		
<b>VALUE ADDED TAX</b> Add 15% of Subtotal C ..... <i>(Provisional sum based on current rate of VAT)</i>		
<b>TOTAL CARRIED TO FORM C1.1, FORM OF OFFER</b>		
<u>SIGNED ON BEHALF OF TENDERER:</u> .....		