WATER CONSERVATION AND DEMAND MANAGEMENT IN STANDERTON: CONCOR

Contract No.: GSDM 53/2022 Schedule Of Quantity

PRELIMINARY AND GENERAL

Item No	Description	Unit	Qty	Rate	Amount (Rand)
1	PRELIMINARY & GENERAL				
1.1	FIXED-CHARGES AND VALUE RELATED ITEMS				
1.1.1	Contractual Requirements	Sum	1.00		
1.2	ESTABLISHMENT OF FACILITIES ON SITE				
	Facilities for the Engineer				
1.2.1	Name Board/s	Sum	1.00		
1.2.2	Offices	Sum	1.00		
1.2.3	Carports	Sum	1.00		
1.2.4	Computer	Sum	1.00		
1.2.5	Cellphone	Sum	1.00		
1.2.6	Printer	Sum	1.00		
	Facilities for the Contractor				
1.2.7	Offices, storage sheds and fencing	Sum	1.00		
1.2.8	Portable Latrines	Sum	1.00		
1.2.9	Tools and Equipment	Sum	1.00		
1.2.10	Water Supply, Electric Power and Communications	Sum	1.00		
1.2.11	Access	Sum	1.00		
1.2.12	Other Fixed-charge Obligations	Sum	1.00		
1.2.13	Removal of Site Establishment	Sum	1.00		
1.3	TIME-RELATED ITEMS				
1.3.1	Contractual Requirements	Month	8.00		
	Operation and Maintain of Facilities on site for the Duration of the Construction				
	Facilities for the Engineer				
1.3.2	Name Board/s	Month	8.00		
1.3.3	Offices	Month	8.00		
1.3.4	Carports	Month	8.00		
1.3.5	Computer	Month	8.00		
1.3.6	Cellphone	Month	8.00		
1.3.7	Printer	Month	8.00		
1.3.8	Survey assistant/s	hours	100.00		
Total Carrie	d Forward	<u> </u>	<u> </u>		

Schedule Of Quantity

PRELIMINARY AND GENERAL

Item No	Description	Unit	Qty	Rate	Amount (Rand)
Brought Fo	orward				
	Facilities for the Contractor				
1.3.9	Offices and storage sheds	Month	8.00		
1.3.10	Portable latrines	Month	8.00		
1.3.11	Tools and equipment	Month	8.00		
1.3.12	Water supplies, electric power and communications	Month	8.00		
1.3.13	Access	Month	8.00		
1.3.14	Supervision for Duration of Construction	Month	8.00		
1.3.15	Company and Head Office Overhead Costs for the Duration of the Construction	Month	8.00		
1.3.16	Other Time-related Obligations	Month	8.00		
1.4	PROVISIONAL AMOUNTS BY ENGINEER				
1.4.1	Independent testing specified by the Engineer	Prov Sum	1.00	50,000.00	50,000.00
1.4.2	Overheads, Charges and Profit on item above	%	50,000.00		
1.4.3	Survey and prepare "'As- built" drawings	Prov Sum	1.00	25,000.00	25,000.00
1.4.4	Overheads, Charges and Profit on item above	%	25,000.00		
1.4.5	Provision for specialist testing, detection and repair of services	Prov Sum	1.00	25,000.00	25,000.00
1.4.6	Overheads, Charges and Profit on item above	%	25,000.00		
1.4.7	Locating existing services, only where ordered by the Engineer	Prov Sum	1.00		
1.5	DAYWORKS				
1.5.1	Materials	Prov Sum	1.00	35,000.00	35,000.00
1.5.2	Overheads, Charges and Profit on item above	%	35,000.00		
	Labour				
1.5.3	Skilled	hr			Rate Only
1.5.4	Semi-skilled	hr			Rate Only
1.5.5	General Labour	hr			Rate Only
	Plant and Equipment				
1.5.6	Crawler excavator (70 - 80 kW)	hr			Rate Only
1.5.7	Backhoe loader (50 - 60 kW)	hr			Rate Only
1.5.8	Walk-behind vibrating roller	hr			Rate Only
Total Carri	ed Forward				

Schedule Of Quantity

PRELIMINARY AND GENERAL

Item No	Description	Unit	Qty	Rate	Amount (Rand)
Brought F	orward				
1.5.9	Compressor (175 cfm), including hoses and breakers	hr			Rate Only
1.5.10	Concrete Mixer (150 - 250 litre)	hr			Rate Only
1.5.11	Water Pump (75mm), including suction and delivery hoses	hr			Rate Only
1.5.12	Tipper trucks (6 m3)	hr			Rate Only
1.5.13	1-ton bakkie	hr			Rate Only
1.5.14	Plate compactor	hr			Rate Only
1.5.15	220 Volt generator	hr			Rate Only
1.6	TEMPORARY WORKS				
1.6.1	Deal with traffic and maintain road (or accommodation of traffic)	Sum	1.00		
1.7	HEALTH AND SAFETY:				
	Compliance with the Occupational Health and Safety Act (Act 85 of 1993) and applicable regulations (Construction Regulations, 2014), and the Employers Health and safety Specification bound into this document				
1.7.1	Preparation of a Health and Safety Plan	Lump Sum	1.00		
1.7.2	Provision of a Health and Safety file	Lump Sum	1.00		
1.7.3	Provision of construction supervisors	Lump Sum	1.00		
1.7.4	Provision of a Safety Officer (full-time)	Lump Sum	1.00		
1.7.5	Provision of Safety Representatives	Lump Sum	1.00		
1.7.6	Health and Safety training	Lump Sum	1.00		
1.7.7	Provision of personnel protective clothing and equipment (PPE)	Lump Sum	1.00		
1.7.8	Provision of safety fences, signs and barricades	Lump Sum	1.00		
1.7.9	Safety Audit (once a month during construction period)	Prov Sum	1.00		
1.8	COMMUNITY LIAISON OFFICER (CLO)				
1.8.1	Community Liaison Officer	Month	8.00		
Total Carr	ied Forward To Summary				

Schedule Of Quantity

PRIME COST ITEMS

Item No	Description	Unit	Qty	Rate	Amount (Rand)
2	PRIME COST ITEMS				
2.1	NOMINATED SUB-CONTRACTOR BY THE CLIENT				
2.1.1	Supply and Delivery of Non-Revenue Water Specialist Technical Services to be provided by the Sub-Contractor nominated by the Client	PC Sum	1.00	561,300.00	561,300.00
2.1.2	Company and Head Office Overhead Costs	%	561,300.00		
2.2	PRESSURE & FLOW LOGGING				
2.2.1	Pressure & Flow Logging (Specialist works to be carried by the Nominated Specialist Professional Sub-Contactor nominated by the Client)	PC Sum	1.00	225,375.00	225,375.00
2.2.2	Monthly Safety Audits by nominated OHS Consultant.	PC Sum	1.00	120, 000.00	120, 000. 00
2.2.3	Monthly ECO Audits by nominated ECO Consultant. construction period) Nomited by Client	PC Sum	1.00	120, 000.00	120, 000.00
2.2.4	Company and Head Office Overhead Costs	%	46,537.50		
Total Carrie	ed Forward To Summary				

Schedule Of Quantity

CONSUMER METER AUDIT & REPLACEMENT

Item	Description	Unit	Qty	Rate	REPLACEMENT Amount
No 3	CONSUMER METER AUDIT & REPLACEMENT				(Rand)
3.1	CONSUMER METER AUDIT				
3.1.1	Training of locals on data capture	PC Sum	1.00	28,000.00	28,000.00
3.1.2	Identify consumer meter requiring replacement	Sum	1.00		
3.1.3	Identify consumer meter requiring calibration	Sum	1.00		
3.1.4	Identify new consumer meters	Sum	1.00		
3.2	CONSUMER METER REPLACEMENT				
3.2.1	Supply, Deliver & Installation of new consumer meters (15mm - 40mm), inclusive of pipe specials and fittings, labour, etc	No	150.00		
3.2.2	Replace existing consumer meters	No	320.00		
Total Carri	ed Forward To Summary				

Schedule Of Quantity

Item No	Description	Unit	Qty	Rate	Amount (Rand)
4	DMA - CONCOR: ESTABLISHMENT OF DMA's				
	DMA - CONCOR: ESTABLISHMENT OF DMA's				
4.1	ESTABLISHMENT OF DISTRICT METERED AREAS				
4.1.1	Excavate and/or Expose existing services and determine the size of existing pipes as indicated on the Layout Plans (Engineer/Main Contractor to indicate, verify and confirm together with the Special Worksman areas to be worked on)	No	7.00		
4.1.2	Supply and deliver 110mm Boundary (Isolating) Valves, with Captop	No	1.00		
4.1.3	Supply and deliver 200mm Boundary (Isolating) Valves, with Captop	No	2.00		
4.1.4	Supply and deliver 250mm Boundary (Isolating) Valves, with Captop	No	1.00		
4.1.5	Supply and deliver <u>300mm</u> Boundary (Isolating) Valves, with Captop	No	1.00		
4.1.6	Supply and deliver reducers/couplings for 110mm Boundary (Isolating) Valves, with Captop as indicated on the drawing	No	2.00		
4.1.7	Supply and deliver reducers/couplings for 200mm Boundary (Isolating) Valves, with Captop as indicated on the drawing	No	4.00		
4.1.8	Supply and deliver reducers/couplings for 250mm Boundary (Isolating) Valves, with Captop as indicated on the drawing	No	2.00		
4.1.9	Supply and deliver reducers/couplings for 350mm Boundary (Isolating) Valves, with Captop as indicated on the drawing	No	2.00		
4.2	CAST IRON VALVE BOX / PLASTIC VALVE BOX (DWG NO. P21386-500-005)				
4.2.1	Supply and deliver 160mm diameter uPVC pipeline as indicated on the drawing	m	12.00		
4.2.2	Supply and deliver 175mm x 115mm Cast Iron Valve Box / Plastic Valve Box as indicated on the drawing	No	5.00		
4.2.3	Install flanged, anti-clockwise closing "RSV" Valves to fit existing pipes, as indicate on Drawing, complete with Cast Iron Valve Box / Plastic Valve Box, 200mm uPVC pipe, 160mm uPVC pipe, bricks, concrete collar, etc	No	5.00		
4.3	100MM MAGFLOW WATER METER CHAMBER				
	Cost of Survey				
4.3.1	Survey and setting out the works	Sum	1.00		
	Water Control				
4.3.2	Special water control, including pump hire	Sum	1.00		
4.4	EARTHWORKS (SMALL WORKS)				
	Excavation:				
Total Carr	ed Forward				

Schedule Of Quantity

Item No	Description	Unit	Qty	Rate	Amount (Rand)
Brought Fo	rward				
4.4.1	Excavation in all material and dispose	m³	28.90		
4.5	CONCRETE (STRUCTURAL)				
4.6	SCHEDULED FORMWORK				
	Rough:				
4.6.1	Rough vertical planes to walls and footings of chamber and sumps below ground	m²	23.92		
	Smooth:				
4.6.2	Vertical plane internal walls	m²	16.00		
4.6.3	Horizontal plane to roof slab soffit of chambers	m²	4.00		
	Box Out Holes / Form Voids				
	a) Small circular of diameter up to and including 0,65m (boxing of roof vents)				
	Over and up to and including				
4.6.4	1) - 0,5 m deep	Sum	1.00		
	b) Large, other than circular, of area over 0,1 m2 and up and including to 1,5 m2 (boxing of roof manhole cover & sump in sump				
	Over and up to and including				
4.6.5	1) - 0,5 m deep	Sum	1.00		
4.7	SCHEDULED REINFORCEMENT ITEMS				
	Steel bars:				
4.7.1	High tensile steel bars	t	0.93		
4.7.2	Mild steel bars	t			Rate Only
4.7.3	High-tensile welded mesh	t			Rate Only
4.8	SCHEDULED CONCRETE ITEMS				
4.8.1	Blinding layer in class 15/19 concrete (50mm thick)	m³	0.43		
	Strength Concrete:				
4.8.2	Grade 25/19 concrete for floor slabs, walls and roof slabs of chambers	m³	7.30		
	Unformed surface finishes				
4.8.3	To top of chamber floor slabs	m²			Rate Only
4.8.4	To top of chamber roof	m²			Rate Only
4.8.5	Grouting of pipes / specials through walls	No	2.00		
Total Carri	ed Forward	<u>I</u>	<u> </u>		

Schedule Of Quantity

Item No	Description	Unit	Qty	Rate	Amount (Rand)
Brought F	orward				
	Miscellaneous				
	Supply and install as detailed on drawings				
4.8.6	screed to fall or (water proofing) on roof slab	m²			Rate Onl
4.8.7	plinths and thrust blocks of various sizes	m³			Rate Onl
4.9	CHAMBER ACCESS AND VENTILATION - SUPPLY, DELIVERY AND INSTALLATION:				
4.9.1	Manhole Concrete Cover (900 x 900) and Steel frame for chamber access complete with locking mechanism	No	1.00		
4.9.2	Hot dipped galvanised roof ventilators to the chamber roof as detailed on the drawings	No	1.00		
4.9.3	Step Irons installed complete as indicated on the drawings	No	1.00		
4.9.4	Hot dip galvanised internal sump cover frame and grating	No	1.00		
4.10	100MM MAGFLOW - PIPE FITTINGS AND SPECIALS				
	Supply & Delivery of Pipe Specials and Fittings as indicated on the drawings				
4.10.1	Item 1 - 100mm diameter step coupling/reducer	No	2.00		
4.10.2	Item 2 - 100mm diameter MS Pipe with puddle flange, plain one and flanged the other	No	1.00		
4.10.3	Item 3 - 100mm diameter MS Tee-piece	No	1.00		
4.10.4	Item 4 - 100mm diameter RSV Gate Valve (PN16) with handwheel	No	2.00		
4.10.5	Item 5 - 100mm diameter MS Pipe, both ends flanged	No	2.00		
4.10.6	Item 6 - 100mm diameter MAGFLOW Water Meter, Battery Operated (Comprising of Flow Sensor and Converter, Remote Mount, Capacity for 1 pressure input, On Board Data Logger and GPRS Module, Grounding Rings, Mating Flanges, bolts and Gaskets, etc. & Commissioning by the Specialist), both ends flanged	No	1.00		
4.10.7	Item A - 50mm diameter Air Release and Vacuum Breaker Valve, flanged, as per Specification	No	1.00		
4.10.8	Item B - 50mm diameter RSV gate valve (PN16) with handwheel and anti-clockwise closing to SABS 664, both ends flanged to SABS 1123 1600/3.	No	1.00		
4.10.9	Item C - 100mm x 50mm Steel reducer, both ends flanged to SABS 1123 1600/3.	No	1.00		
4.10.10	Assembly and Installation of Items above	Sum	1.00		
4.11	300MM MAGFLOW WATER METER CHAMBER				
	Cost of Survey				
	ied Forward				

Schedule Of Quantity

Water Control Special water control, including pump hire Sum 1.00	Item No	Description	Unit	Qty	Rate	Amount (Rand)
Water Control Sum	Brought F	orward				
1.11.2 Special water control, including pump hire Sum 1.00	4.11.1	Survey and setting out the works	Sum	1.00		
EARTHWORKS (SMALL WORKS) Excavation: 1.12.1 Excavation in all material and dispose		Water Control				
Excavation: Excavation in all material and dispose	4.11.2	Special water control, including pump hire	Sum	1.00		
1.12.1 Excavation in all material and dispose m³ 37.40 1.13 CONCRETE (STRUCTURAL) 1.14 SCHEDULED FORMWORK 1.14.1 Rough vertical planes to walls and footings of chamber and sumps below ground 1.14.2 Vertical plane internal walls m² 20.00 1.14.3 Horizontal plane to roof slab soffit of chambers m² 6.00 1.14.3 Box Out Holes / Form Voids a) Small circular of diameter up to and including 0,65m (boxing of roof vents)	4.12	EARTHWORKS (SMALL WORKS)				
CONCRETE (STRUCTURAL) SCHEDULED FORMWORK Rough: I.14.1 Rough vertical planes to walls and footings of chamber and sumps below ground Smooth: I.14.2 Vertical plane internal walls In 2 20.00 I.14.3 Horizontal plane to roof slab soffit of chambers Box Out Holes / Form Voids a) Small circular of diameter up to and including 0.65m (boxing of roof vents) Over and up to and including I.14.4 1) - 0,5 m deep b) Large, other than circular, of area over 0,1 m2 and up and including to 1,5 m2 (boxing of roof manhole cover & sump in sump Over and up to and including I.14.5 1) - 0,5 m deep Steel bars: I.15.1 High tensile steel bars I.15.2 Mild steel bars I.15.3 High-tensile welded mesh I.16 SCHEDULED CONCRETE ITEMS Strength Concrete:		Excavation:				
Rough: 1.14.1 Rough vertical planes to walls and footings of chamber and sumps below ground Smooth: 1.14.2 Vertical plane internal walls 1.14.3 Horizontal plane to roof slab soffit of chambers Box Out Holes / Form Voids a) Small circular of diameter up to and including 0,65m (boxing of roof vents) Over and up to and including 1.14.4 1) - 0,5 m deep b) Large, other than circular, of area over 0,1 m2 and up and including to 1,5 m2 (boxing of roof manhole cover & sump in sump Over and up to and including 1.14.5 1) - 0,5 m deep Sum 1.00 3.14.5 1) - 0,5 m deep Sum 1.00 4.15 SCHEDULED REINFORCEMENT ITEMS Steel bars: 1.15.1 High tensile steel bars 1.15.2 Mild steel bars 1.15.3 High-tensile welded mesh 1.16 SCHEDULED CONCRETE ITEMS 8.16.1 Blinding layer in class 15/19 concrete (50mm thick) Strength Concrete:	4.12.1	Excavation in all material and dispose	m³	37.40		
Rough: Rough vertical planes to walls and footings of chamber and sumps below ground Smooth: 1.14.2 Vertical plane internal walls 1.14.3 Horizontal plane to roof slab soffit of chambers Box Out Holes / Form Voids a) Small circular of diameter up to and including 0,65m (boxing of roof vents) Over and up to and including 1.14.4 1) - 0,5 m deep b) Large, other than circular, of area over 0,1 m2 and up and including to 1,5 m2 (boxing of roof manhole cover & sump in sump Over and up to and including 1.14.5 1) - 0,5 m deep Sum 1.00 SCHEDULED REINFORCEMENT ITEMS Steel bars: 1.15.1 High tensile steel bars 1.15.2 Mild steel bars t 1.15 Rate Or Rate Or Strength Concrete:	4.13	CONCRETE (STRUCTURAL)				
Rough vertical planes to walls and footings of chamber and sumps below ground Smooth: 1.14.2 Vertical plane internal walls 1.14.3 Horizontal plane to roof slab soffit of chambers Box Out Holes / Form Voids a) Small circular of diameter up to and including 0,65m (boxing of roof vents) Over and up to and including 1.14.4 1) - 0,5 m deep b) Large, other than circular, of area over 0,1 m2 and up and including to 1,5 m2 (boxing of roof manhole cover & sump in sump Over and up to and including 1.14.5 1) - 0,5 m deep Scheduled Reinforcement ITEMS Steel bars: 1.15.1 High tensile steel bars 1.15.2 Mild steel bars 1.15.3 High-tensile welded mesh Scheduled Concrete: 1.16.1 Blinding layer in class 15/19 concrete (50mm thick) Strength Concrete:	4.14	SCHEDULED FORMWORK				
Sumps below ground Smooth:		Rough:				
1.14.2 Vertical plane internal walls	4.14.1		m²	28.82		
Horizontal plane to roof slab soffit of chambers Box Out Holes / Form Voids a) Small circular of diameter up to and including 0,65m (boxing of roof vents) Over and up to and including 1.14.4 1) - 0,5 m deep b) Large, other than circular, of area over 0,1 m2 and up and including to 1,5 m2 (boxing of roof manhole cover & sump in sump Over and up to and including 1.14.5 1) - 0,5 m deep Sum 1.00 SCHEDULED REINFORCEMENT ITEMS Steel bars: 1.15.1 High tensile steel bars 1.15.2 Mild steel bars 1.15.3 High-tensile welded mesh 1.16 SCHEDULED CONCRETE ITEMS Blinding layer in class 15/19 concrete (50mm thick) Strength Concrete:		Smooth:				
Box Out Holes / Form Voids a) Small circular of diameter up to and including 0,65m (boxing of roof vents) Over and up to and including 1.14.4 1) - 0,5 m deep Sum 1.00 b) Large, other than circular, of area over 0,1 m2 and up and including to 1,5 m2 (boxing of roof manhole cover & sump in sump Over and up to and including 1.14.5 1) - 0,5 m deep Sum 1.00 SCHEDULED REINFORCEMENT ITEMS Steel bars: 1.15.1 High tensile steel bars t 1.15 1.15.2 Mild steel bars t 1.15 1.15.3 High-tensile welded mesh t Rate On SCHEDULED CONCRETE ITEMS 1.16.1 Blinding layer in class 15/19 concrete (50mm thick) m3 0.58 Strength Concrete:	4.14.2	Vertical plane internal walls	m²	20.00		
a) Small circular of diameter up to and including 0,65m (boxing of roof vents) Over and up to and including 1.14.4 1) - 0,5 m deep Sum 1.00 b) Large, other than circular, of area over 0,1 m2 and up and including to 1,5 m2 (boxing of roof manhole cover & sump in sump Over and up to and including 1.14.5 1) - 0,5 m deep Sum 1.00 SCHEDULED REINFORCEMENT ITEMS Steel bars: 1.15.1 High tensile steel bars t 1.15 1.15.2 Mild steel bars t 1.15 1.15.3 High-tensile welded mesh t Rate Or SCHEDULED CONCRETE ITEMS 1.16.1 Blinding layer in class 15/19 concrete (50mm thick) m³ 0.58 Strength Concrete:	4.14.3	Horizontal plane to roof slab soffit of chambers	m²	6.00		
(boxing of roof vents) Over and up to and including I.14.4 1) - 0,5 m deep Sum 1.00 b) Large, other than circular, of area over 0,1 m2 and up and including to 1,5 m2 (boxing of roof manhole cover & sump in sump Over and up to and including I.14.5 1) - 0,5 m deep Sum 1.00 I.15 SCHEDULED REINFORCEMENT ITEMS Steel bars: I.15.1 High tensile steel bars t 1.15 I.15.2 Mild steel bars t 1.15 I.15.3 High-tensile welded mesh t Rate Or I.16 SCHEDULED CONCRETE ITEMS I.16.1 Blinding layer in class 15/19 concrete (50mm thick) m³ 0.58 Strength Concrete:		Box Out Holes / Form Voids				
1.14.4						
b) Large, other than circular, of area over 0,1 m2 and up and including to 1,5 m2 (boxing of roof manhole cover & sump in sump Over and up to and including 1.14.5 1) - 0,5 m deep Sum 1.00 1.15 SCHEDULED REINFORCEMENT ITEMS Steel bars: 1.15.1 High tensile steel bars t 1.15 1.15.2 Mild steel bars t 1.15 1.15.3 High-tensile welded mesh t Rate Or 1.16 SCHEDULED CONCRETE ITEMS 1.16.1 Blinding layer in class 15/19 concrete (50mm thick) m³ 0.58 Strength Concrete:		Over and up to and including				
including to 1,5 m2 (boxing of roof manhole cover & sump in sump Over and up to and including I.14.5 1) - 0,5 m deep Sum 1.00 I.15 SCHEDULED REINFORCEMENT ITEMS Steel bars: I.15.1 High tensile steel bars t 1.15 I.15.2 Mild steel bars t Rate Or I.15.3 High-tensile welded mesh t Rate Or I.16 SCHEDULED CONCRETE ITEMS I.16.1 Blinding layer in class 15/19 concrete (50mm thick) m³ 0.58 Strength Concrete:	4.14.4	1) - 0,5 m deep	Sum	1.00		
1.14.5 1) - 0,5 m deep Sum 1.00 1.15 SCHEDULED REINFORCEMENT ITEMS Steel bars: 1.15.1 High tensile steel bars t 1.15 1.15.2 Mild steel bars t 1.15 1.15.3 High-tensile welded mesh t Rate Or SCHEDULED CONCRETE ITEMS 1.16.1 Blinding layer in class 15/19 concrete (50mm thick) m³ 0.58 Strength Concrete:		including to 1,5 m2 (boxing of roof manhole cover & sump in				
Scheduled Reinforcement Items Steel bars: I.15.1 High tensile steel bars I.15.2 Mild steel bars I.15.3 High-tensile welded mesh I.16 SCHEDULED CONCRETE ITEMS I.16.1 Blinding layer in class 15/19 concrete (50mm thick) Strength Concrete:		Over and up to and including				
Steel bars: High tensile steel bars Mild steel bars t 1.15.2 Mild steel bars t Rate Or 1.15.3 High-tensile welded mesh SCHEDULED CONCRETE ITEMS 1.16.1 Blinding layer in class 15/19 concrete (50mm thick) Strength Concrete:	4.14.5	1) - 0,5 m deep	Sum	1.00		
H.15.1 High tensile steel bars H.15.2 Mild steel bars High-tensile welded mesh High-tensile welded mesh H.16 SCHEDULED CONCRETE ITEMS H.16.1 Blinding layer in class 15/19 concrete (50mm thick) Strength Concrete:	4.15	SCHEDULED REINFORCEMENT ITEMS				
H.15.2 Mild steel bars t Rate Or Rate		Steel bars:				
High-tensile welded mesh SCHEDULED CONCRETE ITEMS High-tensile welded mesh SCHEDULED CONCRETE ITEMS High-tensile welded mesh The second s	4.15.1	High tensile steel bars	t	1.15		
SCHEDULED CONCRETE ITEMS 4.16.1 Blinding layer in class 15/19 concrete (50mm thick) m³ 0.58 Strength Concrete:	4.15.2	Mild steel bars	t			Rate Only
Blinding layer in class 15/19 concrete (50mm thick) m³ 0.58 Strength Concrete:	4.15.3	High-tensile welded mesh	t			Rate Only
Strength Concrete:	4.16	SCHEDULED CONCRETE ITEMS				
	4.16.1	Blinding layer in class 15/19 concrete (50mm thick)	m³	0.58		
		Strength Concrete:				
Total Carried Forward	Total Carr	ied Forward				

Schedule Of Quantity

Item No	Description	Unit	Qty	Rate	Amount (Rand)
Brought F	Forward				
4.16.2	Grade 25/19 concrete for floor slabs, walls and roof slabs of chambers	m³	9.50		
	Unformed surface finishes				
4.16.3	To top of chamber floor slabs	m²			Rate Only
4.16.4	To top of chamber roof	m²			Rate Only
4.16.5	Grouting of pipes / specials through walls	No	2.00		
	Miscellaneous				
	Supply and install as detailed on drawings				
4.16.6	screed to fall or (water proofing) on roof slab	m²			Rate Only
4.16.7	plinths and thrust blocks of various sizes	m³			Rate Only
4.17	CHAMBER ACCESS AND VENTILATION - SUPPLY, DELIVERY AND INSTALLATION:				
4.17.1	Manhole Concrete Cover (900 x 900) and Steel frame for chamber access complete with locking mechanism	No	2.00		
4.17.2	Hot dipped galvanised roof ventilators to the chamber roof as detailed on the drawings	No	1.00		
4.17.3	Step Irons installed complete as indicated on the drawings	No	1.00		
4.17.4	Hot dip galvanised internal sump cover frame and grating	No	1.00		
4.18	300MM MAGFLOW WATER METER - RESERVOIR OUTLET 2 PIPE FITTINGS AND SPECIALS				
	Supply & Delivery of Pipe Specials and Fittings as indicated on the drawings				
4.18.1	Item 1 - 300mm diameter step coupling/reducer	No	2.00		
4.18.2	Item 2 - 300mm diameter MS Pipe with puddle flange, plain one and flanged the other	No	1.00		
4.18.3	Item 3 - 300mm diameter MS Tee-piece	No	1.00		
4.18.4	Item 4 - 300mm diameter BUTTERFLY Valve (PN16)	No	2.00		
4.18.5	Item 5 - 300mm diameter MS Pipe, both ends flanged	No	2.00		
4.18.6	Item 6 - 300mm diameter MAGFLOW Water Meter, Battery Operated (Comprising of Flow Sensor and Converter, Remote Mount, Capacity for 1 pressure input, On Board Data Logger and GPRS Module, Grounding Rings, Mating Flanges, bolts and Gaskets, etc. & Commissioning by the Specialist), both ends flanged	No	1.00		
4.18.7	Item A - 50mm diameter Air Release and Vacuum Breaker Valve, flanged, as per Specification	No	1.00		
		No	1.00		

Schedule Of Quantity

Item No	Description	Unit	Qty	Rate	Amount (Rand)
Brought Fo	rward				
4.18.8	Item B - 50mm diameter RSV gate valve (PN16) with handwheel and anti-clockwise closing to SABS 664, both ends flanged to SABS 1123 1600/3.	No	1.00		
4.18.9	Item C - 300mm x 50mm Steel reducer, both ends flanged	No	1.00		
4.18.10	Assembly and Installation of Items above	Sum	1.00		
Total Carrie	l ed Forward To Summary				

Schedule Of Quantity

ACTIVE LEAK MANAGEMENT

Item No	Description	Unit	Qty	Rate	Amount (Rand)
5	ACTIVE LEAK MANAGEMENT				
5.1	LEAK REPAIRS - MATERIALS				
5.1.1	Supply and delivery of material for leak repairs	Prov Sum	1.00	50,000.00	50,000.00
5.1.2	Overheads, Charges and Profit on item above	%	50,000.00		
5.2	LEAK REPAIRS - IDENTIFICATION OF LEAK				
5.2.1	Identify leaks per established DMA and quantify	Prov Sum	1.00	35,000.00	35,000.00
5.2.2	Overheads, Charges and Profit on item above	%	35,000.00		
5.2.3	Repair of Leaks on pipes	Prov Sum	1.00	20,000.00	20,000.00
5.2.4	Overheads, Charges and Profit on item above	%	20,000.00		
Total Carrie	ed Forward To Summary				

Schedule Of Quantity

TESTING OF DISCREETNESS OF DISTRICT METERED AREAS

Item No	Description	Unit	Qty	Rate	Amount (Rand)	
6	TESTING OF DISCREETNESS OF DISTRICT METERED AREAS: CONCOR					
6.1	DMA - CONCOR RESERVOIR	Sum	1.00			
Total Carried Forward To Summary						

Schedule Of Quantity

SUMMARY OF SECTIONS

Section	Description	Amount (Rand)
1	PRELIMINARY AND GENERAL	
2	PRIME COST ITEMS	
3	CONSUMER METER AUDIT & REPLACEMENT	
4	DMA - CONCOR RESERVOIR	
5	ACTIVE LEAK MANAGEMENT	
6	TESTING OF DISCREETNESS OF DISTRICT METERED AREAS	
	Subtotal A	
(a)	Add 10% Contingencies	
	Subtotal B	
(b)	Add 5% Contract Price Adjustment	
	Subtotal C	
(c)	Add 15% Value Added Tax (VAT)	
Total Carrie	d Forward To Summary Of Schedules	