Contract No.: GSDM 52/2022

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 Carr	ied Forward				

Contract No.: GSDM 52/2022

Schedule Of Quantity

PRELIMINARY AND GENERAL

Item No	Description	Unit	Qty	Rate	AND GENERAL Amount (Rand)
Brought Fo	prward	l			
	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 Carr	ed Forward				

Contract No.: GSDM 52/2022

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 Onl
1.5.10	Concrete Mixer (150 - 250 litre)	hr			Rate On
1.5.11	Water Pump (75mm), including suction and delivery hoses	hr			Rate On
1.5.12	Tipper trucks (6 m3)	hr			Rate On
1.5.13	1 ton bakkie	hr			Rate On
1.5.14	Plate compactor	hr			Rate On
1.5.15	220 Volt generator	hr			Rate Onl
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		
	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	999,570.00	999,570.00
2.1.2	Company and Head Office Overhead Costs	%	999,570.00		
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 Carr	ied Forward To Summary				

Schedule Of Quantity

CONSUMER METER AUDIT & REPLACEMENT

Item No	Description	Unit	Qty	Rate	Amount (Rand)
3	CONSUMER METER AUDIT & REPLACEMENT				
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 Carrie	ed Forward To Summary				

Schedule Of Quantity

DMA 1 - ROOIKOPPEN: ESTABLISHMENT OF DMA'S AND PMA'S 1.1 DMA 1 - ROOIKOPPEN 1.2 ESTABLISHMENT OF DISTRICT METERED AREA AND PRESSURE MANAGEMENT ZONE 1.2.1 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) 1.2.2 Supply and deliver 75mm Boundary (Isolating) Valves, with Captop s indicated on the drawing (Isolating) Valves, with Captop s indicated on the drawing (Isolating) Valves, with Captop s indicated on the drawing (Isolating) Valves, with Captop so indicated on the drawing (Isolating) Valves, with Captop so indicated on the drawing (Isolating) Valves, with Captop so indicated on the drawing (Isolating) Valves, with Captop so indicated on the drawing (Isolating) Valves, with Captop so indicated on the drawing (Isolating) Valves, with Captop so indicated on the drawing (Isolating) Valves, with Captop so indicated on the drawing (Isolating) Valves, with Captop so indicated on the drawing (Isolating) Valves (Isolating)	Item No	Description	Unit	Qty	Rate	Amount (Rand)
ESTABLISHMENT OF DISTRICT METERED AREA AND PRESSURE MANAGEMENT ZONE 4.2.1 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) 4.2.2 Supply and deliver 75mm Boundary (Isolating) Valves, with Captop 4.2.3 Supply and deliver reducers/couplings for 75mm Boundary (Isolating) Valves, with Captop as indicated on the drawing 4.3.1 Supply and deliver 160mm diameter uPVC pipeline as indicated on the drawing 4.3.2 Supply and deliver 175mm x 115mm Cast Iron Valve Box / Plastic Valve Box as indicated on the drawing 4.3.3 Install flanged, anti-dockwise 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 4.4.4 80MM PRESSURE REDUCING VALVE Cost of Survey 4.4.1 Survey and setting out the works Water Control 4.4.2 Special water control, including pump hire EARTHWORKS (SMALL WORKS) Excavation: 4.5.1 Excavation in all material and dispose CONCRETE (STRUCTURAL) 5.1 Excavation in all material and dispose CONCRETE (STRUCTURAL) 5.1 Rough vertical planes to walls and footings of chamber and sumps below ground Smooth: 4.7.2 Vertical plane internal walls m² 28.82 vertical plane internal walls m² 20.00	4					
## Acade 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) ## 4.2.2 Supply and deliver *# 75mm Boundary (Isolating) Valves, with Captop ## 4.2.3 Supply and deliver *# 75mm Boundary (Isolating) Valves, with Captop as indicated on the drawing ## 4.3.3 Cast IRON VALVE BOX / PLASTIC VALVE BOX (DWG No. P21386-500-005) ## 4.3.1 Supply and deliver 160mm diameter uPVC pipeline as indicated on the drawing ## 4.3.2 Supply and deliver 175mm x 115mm Cast Iron Valve Box / Plastic Valve Box as indicated on the drawing ## 4.3.3 Install flanged, anti clockwise closing "RSV" Valves to fit existing pipes, as indicated on the drawing. ## 4.3.3 Install flanged, anti clockwise closing "RSV" Valves to fit existing pipes, as indicated on the drawing. ## 4.3.3 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 p	4.1	DMA 1 - ROOIKOPPEN				
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) 4.2.2 Supply and deliver reducers/couplings for 75mm Boundary (Isolating) Valves, with Captop 4.2.3 Supply and deliver reducers/couplings for 75mm Boundary (Isolating) Valves, with Captop as indicated on the drawing 4.3.1 Supply and deliver 160mm diameter uPVC pipeline as indicated on the drawing 4.3.2 Supply and deliver 175mm x 115mm Cast fron Valve Box / Plastic Valve Box as indicated on the drawing 4.3.3 Install flanged, anti-clockwise closing "RSV" Valves to fit existing pipes, as indicate on Drawing, complete with Cast fron Valve Box / Plastic Valve Box as indicated on the drawing 4.3.3 Install flanged, anti-clockwise closing "RSV" Valves to fit existing pipes, as indicate on Drawing, complete with Cast fron Valve Box / Plastic Valve Box, 205mm uPVC pipe, 160mm uPVC pipe, bricks, controle collar, etc 4.4.4 Somm PRESSURE REDUCING VALVE Cost of Survey 4.4.1 Survey and setting out the works Water Control 4.4.2 Special water control, including pump hire 4.5 EARTHWORKS (SMALL WORKS) Excavation: 4.5.1 Excavation in all material and dispose 4.6 CONCRETE (STRUCTURAL) 4.7 SCHEDULED FORMWORK Rough: 4.7.1 Rough vertical planes to walls and footings of chamber and sumps below ground Smooth: 4.7.2 Vertical plane internal walls m² 20.00	4.2					
4.2.3 Supply and deliver reducers/couplings for 75mm Boundary (Isolating) Valves, with Captop as indicated on the drawing 4.3 CAST IRON VALVE BOX / PLASTIC VALVE BOX (DWG NO. P21386-500-005) 4.3.1 Supply and deliver 160mm diameter uPVC pipeline as indicated on the drawing 4.3.2 Supply and deliver 175mm x 115mm Cast Iron Valve Box / Plastic Valve Box as indicated on the drawing 4.3.3 Install flanged, anti clockwise closing "RSV" Valves to fit existing pipes, as indicate on Drawing, complete with Cast Iron Valve Box / Plastic Valve Box / Plastic Valve Box, 200mm uPVC pipe, 160mm uPVC pipe, bricks, concrete collar, etc 4.4 80MM PRESSURE REDUCING VALVE Cost of Survey 4.4.1 Survey and setting out the works Water Control 4.4.2 Special water control, including pump hire 4.5 EARTHWORKS (SMALL WORKS) Excavation: 4.5.1 Excavation in all material and dispose 4.6 CONCRETE (STRUCTURAL) 4.7 SCHEDULED FORMWORK Rough: 4.7.1 Rough vertical planes to walls and footings of chamber and sumps below ground Smooth: 4.7.2 Vertical plane internal walls To Alver San Harden and Survey 10.00 10.	4.2.1	size of existing pipes as indicated on the Layout Plans (Engineer/Main Contractor to indicate, verify and confirm	No	5.00		
(Isolating) Valves, with Captop as indicated on the drawing 4.3 CAST IRON VALVE BOX / PLASTIC VALVE BOX (DWG NO. P21386-500-005) 4.3.1 Supply and deliver 160mm diameter uPVC pipeline as indicated on the drawing 4.3.2 Supply and deliver 175mm x 115mm Cast Iron Valve Box / Plastic Valve Box as indicated on the drawing 4.3.3 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 4.4 80MM PRESSURE REDUCING VALVE Cost of Survey 4.4.1 Survey and setting out the works Water Control 4.4.2 Special water control, including pump hire 4.5 EARTHWORKS (SMALL WORKS) Excavation: 4.5.1 Excavation in all material and dispose 4.6. CONCRETE (STRUCTURAL) 4.7 SCHEDULED FORMWORK Rough: 4.7.1 Rough vertical planes to walls and footings of chamber and sumps below ground Smooth: 4.7.2 Vertical plane internal walls Valve Eox (DNC (DNC) 18.00 18.	4.2.2		No	5.00		
NO. P21386-500-005) 4.3.1 Supply and deliver 160mm diameter uPVC pipeline as indicated on the drawing 4.3.2 Supply and deliver 175mm x 115mm Cast Iron Valve Box / Plastic Valve Box as indicated on the drawing 4.3.3 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, flooring upver pipe, ricks, concrete collar, etc 4.4 80MM PRESSURE REDUCING VALVE Cost of Survey 4.4.1 Survey and setting out the works Water Control 4.4.2 Special water control, including pump hire 4.5 EARTHWORKS (SMALL WORKS) Excavation: 4.5.1 Excavation in all material and dispose 4.6 CONCRETE (STRUCTURAL) 4.7 SCHEDULED FORMWORK Rough: 4.7.1 Rough vertical planes to walls and footings of chamber and sumps below ground Smooth: 4.7.2 Vertical plane internal walls Model Valve Box / Plastic Valve Box / No 5.00 1.80 1.	4.2.3		No	10.00		
indicated on the drawing Supply and deliver 175mm x 115mm Cast Iron Valve Box / Plastic Valve Box as indicated on the drawing 4.3.3 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, 180mm uPVC pipe, bricks, concrete collar, etc 4.4 80MM PRESSURE REDUCING VALVE Cost of Survey 4.4.1 Survey and setting out the works Water Control 4.4.2 Special water control, including pump hire Sum 1.00 4.5 EARTHWORKS (SMALL WORKS) Excavation: 4.5.1 Excavation in all material and dispose 4.6 CONCRETE (STRUCTURAL) 4.7 SCHEDULED FORMWORK Rough: 4.7.1 Rough vertical planes to walls and footings of chamber and sumps below ground Smooth: 4.7.2 Vertical plane internal walls No 5.00	4.3	CAST IRON VALVE BOX / PLASTIC VALVE BOX (DWG NO. P21386-500-005)				
Plastic Valve Box as indicated on the drawing 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, pricks, concrete collar, etc 4.4 80MM PRESSURE REDUCING VALVE Cost of Survey 4.4.1 Survey and setting out the works Water Control 4.4.2 Special water control, including pump hire Sum 1.00 4.5 EARTHWORKS (SMALL WORKS) Excavation: 4.5.1 Excavation in all material and dispose 4.6 CONCRETE (STRUCTURAL) 4.7 SCHEDULED FORMWORK Rough: 4.7.1 Rough vertical planes to walls and footings of chamber and sumps below ground Smooth: 4.7.2 Vertical plane internal walls To No 5.00 No 5.00 6.00	4.3.1		m	18.00		
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 4.4. 80MM PRESSURE REDUCING VALVE Cost of Survey 4.4.1 Survey and setting out the works Water Control 4.4.2 Special water control, including pump hire Sum 1.00 4.4.5 EARTHWORKS (SMALL WORKS) Excavation: 4.5.1 Excavation in all material and dispose M	4.3.2		No	5.00		
Cost of Survey 4.4.1 Survey and setting out the works Water Control 4.4.2 Special water control, including pump hire Sum 1.00 4.5 EARTHWORKS (SMALL WORKS) Excavation: 4.5.1 Excavation in all material and dispose 6.6 CONCRETE (STRUCTURAL) 7.7 SCHEDULED FORMWORK Rough: 4.7.1 Rough vertical planes to walls and footings of chamber and sumps below ground Smooth: 4.7.2 Vertical plane internal walls T.00 Sum 1.00 28.82 28.82	4.3.3	existing pipes, as indicate on Drawing, complete with Cast Iron Valve Box / Plastic Valve Box, 200mm uPVC pipe,	No	5.00		
4.4.1 Survey and setting out the works Water Control 4.4.2 Special water control, including pump hire Sum 1.00 4.5 EARTHWORKS (SMALL WORKS) Excavation: 4.5.1 Excavation in all material and dispose 4.6 CONCRETE (STRUCTURAL) 4.7 SCHEDULED FORMWORK Rough: 4.7.1 Rough vertical planes to walls and footings of chamber and sumps below ground Smooth: 4.7.2 Vertical plane internal walls 1.00 1.00 2.00 1.00 1.00 1.00 2.00 1	4.4	80MM PRESSURE REDUCING VALVE				
Water Control 4.4.2 Special water control, including pump hire Sum 1.00 4.5 EARTHWORKS (SMALL WORKS) Excavation: 4.5.1 Excavation in all material and dispose m³ 37.40 4.6 CONCRETE (STRUCTURAL) 4.7 SCHEDULED FORMWORK Rough: 4.7.1 Rough vertical planes to walls and footings of chamber and sumps below ground Smooth: 4.7.2 Vertical plane internal walls m² 20.00		Cost of Survey				
4.4.2 Special water control, including pump hire 4.5 EARTHWORKS (SMALL WORKS) Excavation: 4.5.1 Excavation in all material and dispose 4.6 CONCRETE (STRUCTURAL) 4.7 SCHEDULED FORMWORK Rough: 4.7.1 Rough vertical planes to walls and footings of chamber and sumps below ground Smooth: 4.7.2 Vertical plane internal walls 1.00 1	4.4.1	Survey and setting out the works	Sum	1.00		
4.5 EARTHWORKS (SMALL WORKS) Excavation: 4.5.1 Excavation in all material and dispose m³ 37.40 4.6 CONCRETE (STRUCTURAL) 4.7 SCHEDULED FORMWORK Rough: 4.7.1 Rough vertical planes to walls and footings of chamber and sumps below ground Smooth: 4.7.2 Vertical plane internal walls m² 20.00		Water Control				
Excavation: 4.5.1 Excavation in all material and dispose m³ 37.40 4.6 CONCRETE (STRUCTURAL) 4.7 SCHEDULED FORMWORK Rough: 4.7.1 Rough vertical planes to walls and footings of chamber and sumps below ground Smooth: 4.7.2 Vertical plane internal walls m² 20.00	4.4.2	Special water control, including pump hire	Sum	1.00		
4.5.1 Excavation in all material and dispose m³ 37.40 4.6 CONCRETE (STRUCTURAL) 4.7 SCHEDULED FORMWORK Rough: 4.7.1 Rough vertical planes to walls and footings of chamber and sumps below ground Smooth: 4.7.2 Vertical plane internal walls m² 20.00	4.5	EARTHWORKS (SMALL WORKS)				
4.6 CONCRETE (STRUCTURAL) 4.7 SCHEDULED FORMWORK Rough: 4.7.1 Rough vertical planes to walls and footings of chamber and sumps below ground Smooth: 4.7.2 Vertical plane internal walls TONCRETE (STRUCTURAL)		Excavation:				
4.7 SCHEDULED FORMWORK Rough: 4.7.1 Rough vertical planes to walls and footings of chamber and sumps below ground Smooth: 4.7.2 Vertical plane internal walls m² 28.82	4.5.1	Excavation in all material and dispose	m³	37.40		
Rough: 4.7.1 Rough vertical planes to walls and footings of chamber and sumps below ground Smooth: 4.7.2 Vertical plane internal walls Rough: m² 28.82 m² 20.00	4.6	CONCRETE (STRUCTURAL)				
4.7.1 Rough vertical planes to walls and footings of chamber and sumps below ground Smooth: 4.7.2 Vertical plane internal walls m² 28.82 m² 20.00	4.7	SCHEDULED FORMWORK				
sumps below ground Smooth: 4.7.2 Vertical plane internal walls m² 20.00		Rough:				
4.7.2 Vertical plane internal walls m² 20.00	4.7.1		m²	28.82		
		Smooth:				
4.7.3 Horizontal plane to roof slab soffit of chambers m ² 6.00	4.7.2	Vertical plane internal walls	m²	20.00		
	4.7.3	Horizontal plane to roof slab soffit of chambers	m²	6.00		

Schedule Of Quantity

Item No	Description	Unit	Qty	Rate	1 - ROOIKOPPEN Amount (Rand)
Brought F	orward				
	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				
4.7.4	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				
4.7.5	1) - 0,5 m deep	Sum	1.00		
4.8	SCHEDULED REINFORCEMENT ITEMS				
	Steel bars:				
4.8.1	High tensile steel bars	t	1.15		
4.8.2	Mild steel bars	t			Rate Only
4.8.3	High-tensile welded mesh	t			Rate Only
4.9	SCHEDULED CONCRETE ITEMS				
4.9.1	Blinding layer in class 15/19 concrete (50mm thick)	m³	0.58		
	Strength Concrete:				
4.9.2	Grade 25/19 concrete for floor slabs, walls and roof slabs of chambers	m³	9.50		
	Unformed surface finishes				
4.9.3	To top of chamber floor slabs	m²			Rate Only
4.9.4	To top of chamber roof	m²			
4.9.5	Grouting of pipes / specials through walls	No	2.00		
	Miscellaneous				
	Supply and install as detailed on drawings				
4.9.6	screed to fall or (water proofing) on roof slab	m²			Rate Only
4.9.7	plinths and thrust blocks of various sizes	m³			Rate Only
4.10	CHAMBER ACCESS AND VENTILATION - SUPPLY, DELIVERY AND INSTALLATION:				
4.10.1	Manhole Concrete Cover (900 x 900) and Steel frame for chamber access complete with locking mechanism	No	1.00		
4.10.2	Hot dipped galvanised roof ventilators to the chamber roof as detailed on the drawings	No	1.00		
Total Carr	ied Forward	<u> </u>			

Schedule Of Quantity

Item No	Description	Unit	Qty	Rate	Amount (Rand)
Brought Fo	orward				
4.10.3	Step Irons, complete as indicated on the drawings	Sum	1.00		
4.10.4	Hot dip galvanised internal sump cover frame and grating	No	1.00		
4.11	80MM PRESSURE REDUCING VALVE - PIPE FITTINGS AND SPECIALS				
	Supply & Delivery of the following items as indicated on the Drawing:				
4.11.1	Item 1 - 160/80 diameter step coupling/reducer	No	2.00		
4.11.2	Item 2 - 80mm diameter Mild Steel Pipe with puddle flange, plain one end, flanged the other to SABS 1123 - 1600/3	No	2.00		
4.11.3	Item 3 - 80mm diameter mild steel tee-piece, both ends flanged to SABS 1123 - 1600/3	No	3.00		
4.11.4	Item 4 - 80mm diameter Mild Steel Pipe, both ends flanged to SABS 1123 - 1600/3	No	5.00		
4.11.5	Item 4A - 80mm diameter Mild Steel Pipe, both ends flanged to SABS 1123 - 1600/3	No	2.00		
4.11.6	Item 5 - 80mm diameter RSV Gate Valve (PN16) with Handwheel and anti-clockwise closing to SABS 664, both ends flanged to SABS 1123 - 1600/3	No	3.00		
4.11.7	Item 6 - 80mm diameter STRAINER, both ends flanged to SABS 1123 - 1600/3	No	1.00		
4.11.8	Item 7 - 80mm diameter PRESSURE REDUCING VALVE, both ends flanged to SABS 1123 - 1600/3	No	1.00		
4.11.9	Item 8 - 80mm 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, Pressure Sensor, Grounding Rings, Mating Flanges, bolts and Gaskets, etc. & Commissioning by the Specialist) both ends flanged to SABS 1123 - 1600/3	No	1.00		
4.11.10	Item 9 - 80mm diameter x 90 degree bend, both ends flanged to SABS 1123 - 1600/3	No	2.00		
4.11.11	Item 10 - 80mm diameter Mild Steel Pipe, both ends flanged to SABS 1123 - 1600/3	No	1.00		
4.11.12	Item 11 - 80mm diameter Mild Steel Pipe, plain one end, flanged the other to SABS 1123 - 1600/3	No	1.00		
4.11.13	Item 12 - 80mm "Viking Johnson" flange adaptor	No	1.00		
4.11.14	REGULO V3: GSM SMART-PRV Controller Kit, Complete	No	1.00		
4.11.15	Item A - 50mm diameter Air Release & Vacuum Break Valve (as per Specification), PN16, flanged to SABS 1123 - 1600/3	No	1.00		
4.11.16	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		

Schedule Of Quantity

ends flanged SABS 1123 - 1600/3 Assembly and Installation of Items above Sum 1.00 Total Carried Forward To Summary			1	,		- ROOIKOPPEN
Item C - 90mm diameter x 50mm diameter steel reducer, both ends flanged SABS 1123 - 1600/3 Assembly and Installation of Items above Sum 1.00 Total Carried Forward To Summary	Item No	Description	Unit	Qty	Rate	Amount (Rand)
ends flanged SABS 1123 - 1600/3 Assembly and Installation of Items above Sum 1.00 Total Carried Forward To Summary	Brought Fo	rward				
Total Carried Forward To Summary	4.11.17	Item C - 80mm diameter x 50mm diameter steel reducer, both ends flanged SABS 1123 - 1600/3	No	1.00		
	4.11.18	Assembly and Installation of Items above	Sum	1.00		
Annex A - 9	Total Carrie					_

Schedule Of Quantity

Item No	Description	Unit	Qty	Rate	Amount (Rand)
5	DMA 2 - ROOIKOPPEN: ESTABLISHMENT OF DMA's AND PMA's				
5.1	DMA 2 - ROOIKOPPEN				
5.2	ESTABLISHMENT OF DISTRICT METERED AREA AND PRESSURE MANAGEMENT ZONE				
5.2.1	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	6.00		
5.2.2	Supply and deliver 75mm Boundary (Isolating) Valves, with Captop	No	6.00		
5.2.3	Supply and deliver reducers/couplings for 75mm Boundary (Isolating) Valves, with Captop as indicated on the drawing	No	12.00		
5.3	CAST IRON VALVE BOX / PLASTIC VALVE BOX (DWG NO. P21386-500-005)				
5.3.1	Supply and deliver 160mm diameter uPVC pipeline as indicated on the drawing	m	12.00		
5.3.2	Supply and deliver 175mm x 115mm Cast Iron Valve Box / Plastic Valve Box as indicated on the drawing	No	6.00		
5.3.3	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	6.00		
5.4	80MM PRESSURE REDUCING VALVE				
	Cost of Survey				
5.4.1	Survey and setting out the works	Sum	1.00		
	Water Control				
5.4.2	Special water control, including pump hire	Sum	1.00		
5.5	EARTHWORKS (SMALL WORKS)				
	Excavation:				
5.5.1	Excavation in all material and dispose	m³	37.40		
5.6	CONCRETE (STRUCTURAL)				
5.7	SCHEDULED FORMWORK				
	Rough:				
5.7.1	Rough vertical planes to walls and footings of chamber and sumps below ground	m²	28.82		
	Smooth:				
5.7.2	Vertical plane internal walls	m²	20.00		
5.7.3	Horizontal plane to roof slab soffit of chambers	m²	6.00		

Schedule Of Quantity

Item No	Description	Unit	Qty	Rate	2 - ROOIKOPPEN Amount (Rand)
Brought F	orward				
	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				
5.7.4	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				
5.7.5	1) - 0,5 m deep	Sum	1.00		
5.8	SCHEDULED REINFORCEMENT ITEMS				
	Steel bars:				
5.8.1	High tensile steel bars	t	1.15		
5.8.2	Mild steel bars	t			Rate Only
5.8.3	High-tensile welded mesh	t			Rate Only
5.9	SCHEDULED CONCRETE ITEMS				
5.9.1	Blinding layer in class 15/19 concrete (50mm thick)	m³	0.58		
	Strength Concrete:				
5.9.2	Grade 25/19 concrete for floor slabs, walls and roof slabs of chambers	m³	9.50		
	Unformed surface finishes				
5.9.3	To top of chamber floor slabs	m²			Rate Only
5.9.4	To top of chamber roof	m²			
5.9.5	Grouting of pipes / specials through walls	No	2.00		
	Miscellaneous				
	Supply and install as detailed on drawings				
5.9.6	screed to fall or (water proofing) on roof slab	m²			Rate Only
5.9.7	plinths and thrust blocks of various sizes	m³			Rate Only
5.10	CHAMBER ACCESS AND VENTILATION - SUPPLY, DELIVERY AND INSTALLATION:				
5.10.1	Manhole Concrete Cover (900 x 900) and Steel frame for chamber access complete with locking mechanism	No	1.00		
5.10.2	Hot dipped galvanised roof ventilators to the chamber roof as detailed on the drawings	No	1.00		
Total Carr	ied Forward	1			

Schedule Of Quantity

DMA 2 - R							
Item No	Description	Unit	Qty	Rate	Amount (Rand)		
Brought Fo	orward						
5.10.3	Step Irons, complete as indicated on the drawings	Sum	1.00				
5.10.4	Hot dip galvanised internal sump cover frame and grating	No	1.00				
5.11	80MM PRESSURE REDUCING VALVE - PIPE FITTINGS AND SPECIALS						
	Supply & Delivery of the following items as indicated on the Drawing:						
5.11.1	Item 1 - 160/80 diameter step coupling/reducer	No	2.00				
5.11.2	Item 2 - 80mm diameter Mild Steel Pipe with puddle flange, plain one end, flanged the other to SABS 1123 - 1600/3	No	2.00				
5.11.3	Item 3 - 80mm diameter mild steel tee-piece, both ends flanged to SABS 1123 - 1600/3	No	3.00				
5.11.4	Item 4 - 80mm diameter Mild Steel Pipe, both ends flanged to SABS 1123 - 1600/3	No	5.00				
5.11.5	Item 4A - 80mm diameter Mild Steel Pipe, both ends flanged to SABS 1123 - 1600/3	No	2.00				
5.11.6	Item 5 - 80mm diameter RSV Gate Valve (PN16) with Handwheel and anti-clockwise closing to SABS 664, both ends flanged to SABS 1123 - 1600/3	No	3.00				
5.11.7	Item 6 - 80mm diameter STRAINER, both ends flanged to SABS 1123 - 1600/3	No	1.00				
5.11.8	Item 7 - 80mm diameter PRESSURE REDUCING VALVE, both ends flanged to SABS 1123 - 1600/3	No	1.00				
5.11.9	Item 8 - 80mm 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, Pressure Sensor, Grounding Rings, Mating Flanges, bolts and Gaskets, etc. & Commissioning by the Specialist) both ends flanged to SABS 1123 - 1600/3	No	1.00				
5.11.10	Item 9 - 80mm diameter x 90 degree bend, both ends flanged to SABS 1123 - 1600/3	No	2.00				
5.11.11	Item 10 - 80mm diameter Mild Steel Pipe, both ends flanged to SABS 1123 - 1600/3	No	1.00				
5.11.12	Item 11 - 80mm diameter Mild Steel Pipe, plain one end, flanged the other to SABS 1123 - 1600/3	No	1.00				
5.11.13	Item 12 - 80mm "Viking Johnson" flange adaptor	No	1.00				
5.11.14	REGULO V3: GSM SMART-PRV Controller Kit, Complete	No	1.00				
5.11.15	Item A - 50mm diameter Air Release & Vacuum Break Valve (as per Specification), PN16, flanged to SABS 1123 - 1600/3	No	1.00				
5.11.16	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				
Total Carri	ed Forward						

Schedule Of Quantity

	Item C - 80mm diameter x 50mm diameter steel reducer, both ends flanged SABS 1123 - 1600/3 Assembly and Installation of Items above	No Sum	1.00	
	ends flanged SABS 1123 - 1600/3			
5.11.18	Assembly and Installation of Items above	Sum	1.00	
Total Carried	d Forward To Summary			

Schedule Of Quantity

			<u> </u>		3 - ROOIKOPPEN
Item No	Description	Unit	Qty	Rate	Amount (Rand)
6	DMA 3 - ROOIKOPPEN: ESTABLISHMENT OF DMA's AND PMA's				
6.1	DMA 3 - ROOIKOPPEN				
6.2	ESTABLISHMENT OF DISTRICT METERED AREA AND PRESSURE MANAGEMENT ZONE				
6.2.1	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	2.00		
6.2.2	Supply and deliver 160mm Boundary (Isolating) Valves, with Captop	No	2.00		
6.2.3	Supply and deliver reducers/couplings for 160mm Boundary (Isolating) Valves, with Captop as indicated on the drawing	No	4.00		
6.2.4	Supply and deliver 110mm Boundary (Isolating) Valves, with Captop	No	2.00		
6.2.5	Supply and deliver reducers/couplings for 110mm Boundary (Isolating) Valves, with Captop as indicated on the drawing	No	2.00		
6.3	CAST IRON VALVE BOX / PLASTIC VALVE BOX (DWG NO. P21386-500-005)				
6.3.1	Supply and deliver 160mm diameter uPVC pipeline as indicated on the drawing	m	6.00		
6.3.2	Supply and deliver 175mm x 115mm Cast Iron Valve Box / Plastic Valve Box as indicated on the drawing	No	5.00		
6.3.3	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		
	80MM PRESSURE REDUCING VALVE No. 1				
	Cost of Survey				
6.3.4	Survey and setting out the works	Sum	1.00		
	Water Control				
6.3.5	Special water control, including pump hire	Sum	1.00		
6.4	EARTHWORKS (SMALL WORKS)				
	Excavation:				
6.4.1	Excavation in all material and dispose	m³	37.40		
6.5	CONCRETE (STRUCTURAL)				
6.6	SCHEDULED FORMWORK				
	Rough:				
6.6.1	Rough vertical planes to walls and footings of chamber and sumps below ground	m²	28.82		
Total Carr	ed Forward				

Schedule Of Quantity

Item No	Description	Unit	Qty	Rate	Amount (Rand)
Brought Fo	prward		1		
	Smooth:				
6.6.2	Vertical plane internal walls	m²	20.00		
6.6.3	Horizontal plane to roof slab soffit of chambers	m²	6.00		
	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				
6.6.4	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				
6.6.5	1) - 0,5 m deep	Sum	1.00		
6.7	SCHEDULED REINFORCEMENT ITEMS				
	Steel bars:				
6.7.1	High tensile steel bars	t	1.15		
6.7.2	Mild steel bars	t			Rate Only
6.7.3	High-tensile welded mesh	t			Rate Only
6.8	SCHEDULED CONCRETE ITEMS				
6.8.1	Blinding layer in class 15/19 concrete (50mm thick)	m³	0.58		
	Strength Concrete:				
6.8.2	Grade 25/19 concrete for floor slabs, walls and roof slabs of chambers	m³	9.50		
	Unformed surface finishes				
6.8.3	To top of chamber floor slabs	m²			Rate Only
6.8.4	To top of chamber roof	m²			
6.8.5	Grouting of pipes / specials through walls	No	2.00		
	Miscellaneous				
	Supply and install as detailed on drawings				
6.8.6	screed to fall or (water proofing) on roof slab	m²			Rate Only
6.8.7	plinths and thrust blocks of various sizes	m³			Rate Only
6.9	CHAMBER ACCESS AND VENTILATION - SUPPLY, DELIVERY AND INSTALLATION:				
Total Carri	ed Forward				

Schedule Of Quantity

Item No	Description	Unit	Qty	Rate	3 - ROOIKOPPEN Amount (Rand)
Brought Fo	orward				
6.9.1	Manhole Concrete Cover (900 x 900) and Steel frame for chamber access complete with locking mechanism	No	1.00		
6.9.2	Hot dipped galvanised roof ventilators to the chamber roof as detailed on the drawings	No	1.00		
6.9.3	Step Irons, complete as indicated on the drawings	Sum	1.00		
6.9.4	Hot dip galvanised internal sump cover frame and grating	No	1.00		
	80MM PRESSURE REDUCING VALVE No. 1 - PIPE FITTINGS AND SPECIALS				
	Supply & Delivery of the following items as indicated on the Drawing:				
6.9.5	Item 1 - 160/80 diameter step coupling/reducer	No	2.00		
6.9.6	Item 2 - 80mm diameter Mild Steel Pipe with puddle flange, plain one end, flanged the other to SABS 1123 - 1600/3	No	2.00		
6.9.7	Item 3 - 80mm diameter mild steel tee-piece, both ends flanged to SABS 1123 - 1600/3	No	3.00		
6.9.8	Item 4 - 80mm diameter Mild Steel Pipe, both ends flanged to SABS 1123 - 1600/3	No	5.00		
6.9.9	Item 4A - 80mm diameter Mild Steel Pipe, both ends flanged to SABS 1123 - 1600/3	No	2.00		
6.9.10	Item 5 - 80mm diameter RSV Gate Valve (PN16) with Handwheel and anti-clockwise closing to SABS 664, both ends flanged to SABS 1123 - 1600/3	No	3.00		
6.9.11	Item 6 - 80mm diameter STRAINER, both ends flanged to SABS 1123 - 1600/3	No	1.00		
6.9.12	Item 7 - 80mm diameter PRESSURE REDUCING VALVE, both ends flanged to SABS 1123 - 1600/3	No	1.00		
6.9.13	Item 8 - 80mm 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, Pressure Sensor, Grounding Rings, Mating Flanges, bolts and Gaskets, etc. & Commissioning by the Specialist) both ends flanged to SABS 1123 - 1600/3	No	1.00		
6.9.14	Item 9 - 80mm diameter x 90 degree bend, both ends flanged to SABS 1123 - 1600/3	No	2.00		
6.9.15	Item 10 - 80mm diameter Mild Steel Pipe, both ends flanged to SABS 1123 - 1600/3	No	1.00		
6.9.16	Item 11 - 80mm diameter Mild Steel Pipe, plain one end, flanged the other to SABS 1123 - 1600/3	No	1.00		
6.9.17	Item 12 - 80mm "Viking Johnson" flange adaptor	No	1.00		
6.9.18	REGULO V3: GSM SMART-PRV Controller Kit, Complete	No	1.00		
Total Carri	ed Forward				
Total Calli	Annex A - 16				

Schedule Of Quantity

Item No	Description	Unit	Qty	Rate	Amount (Rand)
Brought F	orward				
6.9.19	Item A - 50mm diameter Air Release & Vacuum Break Valve (as per Specification), PN16, flanged to SABS 1123 - 1600/3	No	1.00		
6.9.20	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		
6.9.21	Item C - 80mm diameter x 50mm diameter steel reducer, both ends flanged SABS 1123 - 1600/3	No	1.00		
6.9.22	Assembly and Installation of Items above	Sum	1.00		
	80MM PRESSURE REDUCING VALVE No. 2				
	Cost of Survey				
6.9.23	Survey and setting out the works	Sum	1.00		
	Water Control				
6.9.24	Special water control, including pump hire	Sum	1.00		
6.10	EARTHWORKS (SMALL WORKS)				
	Excavation:				
6.10.1	Excavation in all material and dispose	m³	37.40		
6.11	CONCRETE (STRUCTURAL)				
6.12	SCHEDULED FORMWORK				
	Rough:				
6.12.1	Rough vertical planes to walls and footings of chamber and sumps below ground	m²	28.82		
	Smooth:				
6.12.2	Vertical plane internal walls	m²	20.00		
6.12.3	Horizontal plane to roof slab soffit of chambers	m²	6.00		
	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				
6.12.4	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				
6.12.5	1) - 0,5 m deep	Sum	1.00		
6.13	SCHEDULED REINFORCEMENT ITEMS				

Schedule Of Quantity

Item No	Description	Unit	Qty	Rate	Amount (Rand)
Brought Fo	prward				
	Steel bars:				
6.13.1	High tensile steel bars	t	1.15		
6.13.2	Mild steel bars	t			Rate Only
6.13.3	High-tensile welded mesh	t			Rate Only
6.14	SCHEDULED CONCRETE ITEMS				
6.14.1	Blinding layer in class 15/19 concrete (50mm thick)	m³	0.58		
	Strength Concrete:				
6.14.2	Grade 25/19 concrete for floor slabs, walls and roof slabs of chambers	m³	9.50		
	Unformed surface finishes				
6.14.3	To top of chamber floor slabs	m²			Rate Only
6.14.4	To top of chamber roof	m²			
6.14.5	Grouting of pipes / specials through walls	No	2.00		
	Miscellaneous				
	Supply and install as detailed on drawings				
6.14.6	screed to fall or (water proofing) on roof slab	m²			Rate Only
6.14.7	plinths and thrust blocks of various sizes	m³			Rate Only
6.15	CHAMBER ACCESS AND VENTILATION - SUPPLY, DELIVERY AND INSTALLATION:				
6.15.1	Manhole Concrete Cover (900 x 900) and Steel frame for chamber access complete with locking mechanism	No	1.00		
6.15.2	Hot dipped galvanised roof ventilators to the chamber roof as detailed on the drawings	No	1.00		
6.15.3	Step Irons, complete as indicated on the drawings	Sum	1.00		
6.15.4	Hot dip galvanised internal sump cover frame and grating	No	1.00		
	80MM PRESSURE REDUCING VALVE No. 2 - PIPE FITTINGS AND SPECIALS				
	Supply & Delivery of the following items as indicated on the Drawing:				
6.15.5	Item 1 - 160/80 diameter step coupling/reducer	No	2.00		
6.15.6	Item 2 - 80mm diameter Mild Steel Pipe with puddle flange, plain one end, flanged the other to SABS 1123 - 1600/3	No	2.00		
6.15.7	Item 3 - 80mm diameter mild steel tee-piece, both ends flanged to SABS 1123 - 1600/3	No	3.00		
Total Carr	ed Forward				

Schedule Of Quantity

Item No	Description	Unit	Qty	Rate	Amount (Rand)
Brought F	orward	•			
6.15.8	Item 4 - 80mm diameter Mild Steel Pipe, both ends flanged to SABS 1123 - 1600/3	No	5.00		
6.15.9	Item 4A - 80mm diameter Mild Steel Pipe, both ends flanged to SABS 1123 - 1600/3	No	2.00		
6.15.10	Item 5 - 80mm diameter RSV Gate Valve (PN16) with Handwheel and anti-clockwise closing to SABS 664, both ends flanged to SABS 1123 - 1600/3	No	3.00		
6.15.11	Item 6 - 80mm diameter STRAINER, both ends flanged to SABS 1123 - 1600/3	No	1.00		
6.15.12	Item 7 - 80mm diameter PRESSURE REDUCING VALVE, both ends flanged to SABS 1123 - 1600/3	No	1.00		
6.15.13	Item 8 - 80mm 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, Pressure Sensor, Grounding Rings, Mating Flanges, bolts and Gaskets, etc. & Commissioning by the Specialist) both ends flanged to SABS 1123 - 1600/3	No	1.00		
6.15.14	Item 9 - 80mm diameter x 90 degree bend, both ends flanged to SABS 1123 - 1600/3	No	2.00		
6.15.15	Item 10 - 80mm diameter Mild Steel Pipe, both ends flanged to SABS 1123 - 1600/3	No	1.00		
6.15.16	Item 11 - 80mm diameter Mild Steel Pipe, plain one end, flanged the other to SABS 1123 - 1600/3	No	1.00		
6.15.17	Item 12 - 80mm "Viking Johnson" flange adaptor	No	1.00		
6.15.18	REGULO V3: GSM SMART-PRV Controller Kit, Complete	No	1.00		
6.15.19	Item A - 50mm diameter Air Release & Vacuum Break Valve (as per Specification), PN16, flanged to SABS 1123 - 1600/3	No	1.00		
6.15.20	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		
6.15.21	Item C - 80mm diameter x 50mm diameter steel reducer, both ends flanged SABS 1123 - 1600/3	No	1.00		
6.15.22	Assembly and Installation of Items above	Sum	1.00		
Total Carr	ied Forward To Summary				

Schedule Of Quantity

		1			1 - ROOIKOPPEN
Item No	Description	Unit	Qty	Rate	Amount (Rand)
7	DMA 4 - ROOIKOPPEN: REPLACEMENT OF PRESSURE REDUCING VALVES				
7.1	DMA 4 - ROOIKOPPEN				
7.1.1	Repair existing Pressure Reducing Valve and install New REGULO V3: GSM SMART-PRV Controller Kit, Complete	Sum	1.00		
Total Carri	ed Forward To Summary				
Total Oali	Array A 20				

Schedule Of Quantity

No	Description	Unit	Qty	Rate	Amount (Rand)
8	DMA 5 - ROOIKOPPEN: REPLACEMENT OF PRESSURE REDUCING VALVES				
8.1	DMA 5 - ROOIKOPPEN				
8.1.1	Repair existing Pressure Reducing Valve No.1 install New REGULO V3: GSM SMART-PRV Controller Kit, Complete	Sum	1.00		
8.1.2	Repair existing Pressure Reducing Valve No.2 and install New REGULO V3: GSM SMART-PRV Controller Kit, Complete	Sum	1.00		
Total Carr	ed Forward To Summary				

Contract No.: GSDM 52/2022

Schedule Of Quantity

ACTIVE LEAK MANAGEMENT

Item No	Description	Unit	Qty	Rate	Amount (Rand)
9	ACTIVE LEAK MANAGEMENT				
9.1	LEAK REPAIRS - MATERIALS				
9.1.1	Supply and delivery of material for leak repairs	Prov Sum	1.00	50,000.00	50,000.00
9.1.2	Overheads, Charges and Profit on item above	%	50,000.00		
9.2	LEAK REPAIRS - IDENTIFICATION OF LEAK				
9.2.1	Identify leaks per established DMA and quantify	Prov Sum	1.00	35,000.00	35,000.00
9.2.2	Overheads, Charges and Profit on item above	%	35,000.00		
9.2.3	Repair of Leaks on pipes	Prov Sum	1.00	20,000.00	20,000.00
9.2.4	Overheads, Charges and Profit on item above	%	20,000.00		
Total O-	ed Forward To Summary				

Contract No.: GSDM 52/2022

Schedule Of Quantity

TESTING OF DISCREETNESS OF DISTRICT METERED AREAS

Item No	Description	Unit	Qty	Rate	Amount (Rand)
10	TESTING OF DISCREETNESS OF DISTRICT METERED AREAS: ROOIKOPPEN				
10.1	DMA 1 - ROOIKOPPEN	Sum	1.00		
10.2	DMA 2 - ROOIKOPPEN	Sum	1.00		
10.3	DMA 3 - ROOIKOPPEN	Sum	1.00		
10.4	DMA 4 - ROOIKOPPEN	Sum	1.00		
10.5	DMA 5 - ROOIKOPPEN	Sum	1.00		
Total Carrie	l ed Forward To Summary	I	<u> </u>	<u> </u>	

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 1 - ROOIKOPPEN	
5	DMA 2 - ROOIKOPPEN	
6	DMA 3 - ROOIKOPPEN	
7	DMA 4 - ROOIKOPPEN	
8	DMA 5 - ROOIKOPPEN	
9	ACTIVE LEAK MANAGEMENT	
10	TESTING OF DISCREETNESS OF DISTRICT METERED AREAS	
	Subtotal A	
(a)	Add 10% Contingencies	<u></u>
	Subtotal B	
(b)	Add 5% Contract Price Adjustment	<u></u>
	Subtotal C	
(c)	Add 15% Value Added Tax (VAT)	
Total Carrie	ed Forward To Summary Of Schedules	

SUMMARY OF SCHEDULES

SCHEDULE		DESCRIPTION	Amount (Rand)
1	Schedule Of Quantity		
Total			