

TENDER FOR THE PROVISION OF SCADA & BMS MAINTENANCE SERVICE AT THE ELIDZ					Cost Estimate
Item No	Short Description	Unit	Quantity	Rate	Total
	<b>SECTION A1 : ANNUAL CHARGES</b>				
<b>A1.1</b>	<b>Annual Preliminary &amp; General</b>				
A1.1.1	Provision of surety	Yrs	1		
A1.1.2	Provision of insurances	Yrs	1		
A1.1.3	Staff protective personal equipment	Yrs	1		
A1.1.4	Staff induction	Yrs	1		
A1.1.5	OHS compliance method statement	Yrs	1		
A1.1.6	CEMP compliance method statement	Yrs	1		
A1.1.7	Provision of Electronic Maintenance Manual	Yrs	1		
<b>TOTAL FOR SCHEDULE CARRIED FORWARD TO SUMMARY</b>				Sub Total	<b>R 0,00</b>
	<b>SECTION A2 : MONTHLY CHARGES</b>				
<b>A1.2</b>	<b>Monthly Preliminary &amp; General</b>				
A1.2.1	Provide transport, tools & equipment for the suitably qualified personnel to be on site for 14 days per month	Months	12		
A1.2.2	Monthly overheads & administration charges	Months	12		
A1.2.3	Other contractual items not detailed above	Months	12		
<b>TOTAL FOR SCHEDULE CARRIED FORWARD TO SUMMARY</b>				Sub Total	<b>R 0,00</b>

Item No	Short Description	Unit	Quantity	Rate	Total
	<b>SECTION B1 : ROUTINE MAINTENANCE</b>				
<b>B1</b>	<b>Routine maintenance (inclusive of all labour, equipment, transport, and all overhead costs)</b>				
B1.1	Provide qualified personnel for 14 days per month on specified days defined by ELIDZ - to conduct routine maintenance on SCADA and BMS systems, clear all alarms,rectify system & comms faults ,update displays, create reports , write programmes as and when required, including all field survey and cleaning activities.	Months	12		
B1.2	Provide qualified personnel for the provision of technical support, meter reading, account compilation and reconciliation reporting of AMR System for complete ELIDZ network, including Zone1A, 1B, 1C, 1D, 1E, 1F, Fort Jackson and Berlin	Months	12		
<b>TOTAL FOR SCHEDULE CARRIED FORWARD TO SUMMARY</b>				Sub Total	<b>R 0,00</b>

Item No	Short Description	Unit	Quantity	Supply +Install Rate	Total
	<b>SECTION C1 : GENERAL MAINTENANCE</b>				
<b>C1</b>	<b>General maintenance items inclusive of supply and installation.</b>				
<b>C1.1</b>	<b>SCADA</b>				
C1.1.1	PSU - SSE 7Amp	No	2		
C1.1.2	PSU - AD-155A 14v 10.5 amp	No	2		
C1.1.3	Battery 18AH - Gell Cell	No	25		
C1.1.4	RTU12- SSE	No	5		
C1.1.5	MIO - SSE	No	1		
C1.1.6	DIN 24 - SSE	No	1		
C1.1.7	MOXA 5110	No	10		
C1.1.8	MOXA 5230	No	1		
C1.1.9	Transducer - Tech 5m Submersible pressure	No	2		
<b>C1.2</b>	<b>BMS</b>				
C1.2.1	Beck off Controller CPU CX9010 -1001 K Bus	No	1		
C1.2.2	PLC Expansion Module KL6811 / DALI	No	5		
C1.2.3	Moxa IO logic E1212 - 8DI/8DIO 2 Port Switch	No	1		
C1.2.4	Moxa EDS-G512	No	1		
C1.2.5	MOXA SFP - 1GLxLC	No	1		
C1.2.6	4 Channel DIO expansion card	No	1		
C1.2.7	8 Channel DIO expansion card	No	1		
C1.2.8	24 Volt Power Supplies - DRP - 240 - 24 10Amp	No	1		
C1.2.9	12 Volt Power Supplies- MDR - 60 -12 1.8Amp	No	1		
C1.2.10	ACDC ME554G Enclosure	No	1		
<b>C1.3</b>	<b>AMR Metering</b>				
C1.3.1	Elster A1700 Electricity Meter	No	1		
C1.3.2	Elster A1140 Electricity Meter	No	1		
C1.3.3	Elster AS230 Electricity Meter with built in comms	No	1		
C1.3.4	RS 485 Module	No	1		
C1.3.5	Rs 232 Module	No	1		
C1.3.6	ELSTER LAN Module	No	1		
C1.3.7	Kocos Modem complete antennae (to order)	No	1		
C1.3.8	Antennae (wireless Lan) Airaya 5.4 to 5.7 GHz	No	1		
C1.3.9	Wavnis Waveport Radio	No	1		
C1.3.10	MIU (radio for water meter)	No	1		
C1.3.11	Repeater (water metering)	No	1		
C1.3.12	Elster Kent Water Meter 20 - 25mm brass body	No	1		
C1.3.13	Elster Kent Water Meter 40mm	No	1		
C1.3.14	Elster Kent Water Meter 50mm	No	1		
C1.3.15	Elster Kent Water Meter Combination	No	1		
C1.3.16	Reading Probe EB000 for brass water meters	No	1		
C1.3.17	PR7 pulsar pickup unit for 40 - 50mm water meter	No	1		
C1.3.18	PR6 pulsar pickup unit for combination water meter	No	1		
C1.3.19	SDG Etherpad (Lantronic's)	No	1		
C1.3.20	SDG multidrop cable package	No	1		
<b>TOTAL FOR SCHEDULE CARRIED FORWARD TO SUMMARY</b>				Sub Total	R 0,00

Item No	Short Description	Unit	Quantity	Rate	Total
	<b>SECTION D1 : PROVISIONAL SUMS</b>				
<b>D1.1</b>	<b>Call out (extra over cost inclusive of travelling, labour, overheads, etc) as per clause 2.3.15 (b)</b>				
D1.1.1	Emergency response	No	1		
D1.1.2	Urgent response	No	1		
D1.1.3	Routine response	No	1		
<b>D1.2</b>	<b>Labour additional to scheduled works</b>				
D1.2.1	Senior Technician	Hrs	60		
D1.2.2	Technician	Hrs	60		
<b>D1.3</b>	<b>Travelling additional to scheduled works</b>				
D1.3.1	LDV including operating costs	Km	300		
<b>D1.4</b>	<b>Provisional Allowance for replacement equipment and Licencing</b>				
D1.4.1	Allowance is made for replacement of unservicable equipment, as directed by the engineer	Sum	1		
D1.4.2	Profit and Attendance	%			
<b>D1.5</b>	<b>Provisional allowance for AMR Meter Verification in accordance with NRS 047 &amp; 048</b>				
D1.5	Allowance is made for the provision of AMR Verification, as directed by the engineer	Sum	1		
4.4.4	Profit and Attendance	%			
<b>TOTAL FOR SCHEDULE CARRIED FORWARD TO SUMMARY</b>				Sub Total	<b>R 0,00</b>

**TENDER FOR THE PROVISION OF SCADA & BMS MAINTENANCE SERVICE AT THE ELIDZ****SUMMARY**

SECTION A1 : ANNUAL CHARGES	R 0,00
SECTION A2 : MONTHLY CHARGES	R 0,00
SECTION B1 : ROUTINE MAINTENANCE	R 0,00
SECTION C1 : GENERAL MAINTENANCE	R 0,00
SECTION D1 : PROVISIONAL SUMS	R 0,00

Net Total of Tender for year 1

**R 0,00**

Escalation % tendered for year 2

**R 0,00**

Escalation % tendered for year 3

**R 0,00**

Net Total of Tender for 3 year term

R 0,00

Add Value Added Tax at 15%

R -

**GROSS TOTAL OF TENDER****R -**

(Carried to Form of Offer and Acceptance)

Name of Tenderer : .....

Signed on behalf  
of Tenderer : .....

Dated : .....