



a world class African city



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Revised BOQ SUPPLY, DELIVERY, OFF-LOADING, INSTALLATION, REPLACEMENT AND MAINTENANCE OF MAGNETOMETER OR VIDEO DETECTION DEVICES, COMPATIBLE WITH EXISTING TECHNOLOGY IN USE, AND ASSOCIATED COMPONENTS AS REQUIRED BY THE JOHANNESBURG ROADS AGENCY (JRA) FOR A PERIOD OF THREE YEARS (36 MONTHS) “AS AND WHEN” CONTRACT.

PRICING SCHEDULE

MBD 3

NB: ANY AND ALL ALTERATIONS TO THE BID DOCUMENTS MUST BE SIGNED IN FULL BY THE BIDDER'S AUTHORISED SIGNATORY AND AN ACCOMPANYING LETTER FROM THE BIDDER ON THEIR OFFICIAL LETTERHEAD WILL INDICATE SUCH ALTERATIONS. FAILURE TO OBSERVE THIS MIGHT DISQUALIFY THE BID.

ANY COMPLETION OF THE BID DOCUMENT IN PENCIL, ERASABLE INK OR THE USE OF CORRECTION FLUID WILL NOT BE ACCEPTED AND WILL INVALIDATE THE BID.

Rates for the item(s) that are not applicable must be marked “NO QUOTE”.

If no rates are provided for installation in the case of goods where installation is applicable, the cost of the installation shall be deemed to be included in the rate to supply the goods and/or services. A rate of nil (R0, 00) shall then be applied to any installation ordered by the JRA. The rate of nil shall be valid irrespective of the quantities during the execution of the Contract.

The bidder shall not group together a number of items and bid one rate for such group of items.

All rates and sums of money quoted in the Schedule of Rates shall be in SA Rand and whole cents. Fractions of a cent shall be discarded.

Where contract price adjustment of rates are required based on the exchange rate, the rate of exchange applicable at the time of going on bid shall be clearly stated.

Bidders are required to submit rates for all items and sub-items, failure will lead to a non-responsive bid.

Bidders to indicate in their covering letter which items will be affected by the Rate of Exchange (ROE)

The rates submitted **must exclude VAT**.

SCHEDULE OF RATES

MBD 3

I/We, the undersigned, hereby acknowledge myself/ourselves fully conversant with the details and conditions set out in the Special Conditions and Specifications and with the General Conditions of Bid attached and hereby agree to:

ITEM	DESCRIPTION	UNIT	ESTIMATED QTY (for evaluation purposes only)	RATE Excluding VAT	AMOUNT Excluding VAT	Affected by ROE (Y/N)
SUPPLY OF MAGNETOMETER VEHICLE DETECTOR UNITS						
1.1.	Sensys VSN240-F-2 (or equivalent)	No	200	R	R	
1.2.	Sensys VSN240-F-GR (or equivalent) (for deeper installations)	No	30	R	R	
1.3.	Access point & mounting bracket	No	50	R	R	
1.4.	Repeater & mounting bracket (Long life)(5 year or more battery life)	No	10	R	R	
1.5.	4 channel Interface card (master)	No	100	R	R	
1.6.	4 channel Interface card (slave)	No	20	R	R	
1.7.	Rack –19 inch detector rack	No	100	R	R	
1.8.	Communications router					
	a) Fibre router	No	10	R	R	
	b) Wireless router complete with enclosure and mounting brackets	No	10	R	R	

ITEM	DESCRIPTION	UNIT	ESTIMATED QTY (for evaluation purposes only)	RATE Excluding VAT	AMOUNT Excluding VAT	Affected by ROE (Y/N)
	c) Industrial 4G Router (min 4 ports)	No	50	R	R	
	d) 5 way antenna	No	50	R	R	
	e) 4 port switches	No	50	R	R	
1.9	Access Box for Contact Closure MasterCard	No	50	R	R	
1.10	Industrial Ethernet cable, outdoor rated direct burial, Shielded Twisted Pair, Solid Bare Copper Cores, 4-pair CAT5	No	5000	R	R	
1.11	RJ45 Ethernet cable connectors	No	200	R	R	
1.12	12mm metal strapping with buckles	No	1000	R	R	
1.13	Micro Radar sensor (or equivalent)	No	10	R	R	
1.14	Solar Flex repeater with Solar power pack - 10 year life + Mounting brackets (or equivalent)	No	50	R	R	
1.15	Standard flex antenna + Mounting bracket (or equivalent)	No	50	R	R	
1.16	Long range flex antenna + Mounting bracket (or equivalent)	No	50	R	R	
1.17	Standard repeater replacement battery - 2 year	No	50	R	R	

ITEM	DESCRIPTION	UNIT	ESTIMATED QTY (for evaluation purposes only)	RATE Excluding VAT	AMOUNT Excluding VAT	Affected by ROE (Y/N)
1.18	Long life repeater replacement battery - 7 year	No	50	R	R	
1.19	Two slot Sensys card rack (or equivalent)	No	50	R	R	
1.20	Flex AP, Ethernet interface (or equivalent)	No	50	R	R	
1.21	Flex Control base module (or equivalent)	No	50	R	R	
1.22	Flex control in cabinet radio (or equivalent)	No	50	R	R	
1.23	Flex antenna for metal cabinets (or equivalent)	No	50	R	R	
1.24	Flex isolator module (or equivalent)	No	50	R	R	
1.25	Flex control digital radio (or equivalent)	No	50	R	R	
1.26	Flex repeater with line power and omni antenna (or equivalent)	No	50	R	R	
1.27	Second antenna for Flex repeater (or equivalent)	No	50	R	R	
1.28	2.5m long extension pole bracket powder coated black	No	20	R	R	
1.29	Magnetometer enclosure	No	50	R	R	
1.30	Set up & calibration software	No	1	R	R	
1.31	Epoxy Applicator (incl mixing tubes)	No	3	R	R	

ITEM	DESCRIPTION	UNIT	ESTIMATED QTY (for evaluation purposes only)	RATE Excluding VAT	AMOUNT Excluding VAT	Affected by ROE (Y/N)
1.32	Epoxy - Ratio 2:1 FJS pack (Fabric Joint Seal)	No	200	R	R	
1.33	Sensys Ethernet interface kit (PoE Supply + USB Dongle) (or equivalent)	No	10	R	R	
1.34	Training & Documentation	No	1	R	R	
1.35	Technical Support	Hour	300	R	R	
1.36	Software for counting	No	1	R	R	
1.37	TrafficDot software (or equivalent)	No	1	R	R	
1.38	Wimag card (or equivalent)	No	100	R	R	
1.39	Server including software	No	1	R	R	
TOTAL FOR ITEM 1: SUPPLY OF MAGNETOMETER VEHICLE DETECTOR UNITS					R	

ITEM	DESCRIPTION	UNIT	ESTIMATED QTY (for evaluation purposes only)	RATE Excluding VAT	AMOUNT Excluding VAT	Affected by ROE (Y/N)
	INSTALLATION OF MAGNETOMETER VEHICLE DETECTOR UNITS					
2.1	Installation of magnetometer	No	200	R	R	
2.2	Installation of Repeater	No	10	R	R	
2.3	Installation of Access Point	No	50	R	R	
2.4	Installation of pole for repeater or access point	No	10	R	R	
2.5	Installation of cable between Access point and controller (per meter trenched and re- instated)	Per meter	1000	R	R	
2.6	Installation and configuration in traffic signal controller	No	100	R	R	
2.7	Call out for maintenance	No	100	R	R	
	<i>TOTAL FOR ITEM 2: INSTALLATION OF MAGNETOMETER VEHICLE DETECTOR UNITS</i>				R	

ITEM	DESCRIPTION	UNIT	ESTIMATE D QTY (for evaluation purposes only)	RATE Excluding VAT	AMOUNT Excluding VAT	Affected by ROE (Y/N)
3.1.	SUPPLY OF SPARES (NOT LISTED ABOVE) <Bidder to specify>	No		R	R	
3.2.		No		R	R	
3.3.		No		R	R	
3.4.		No		R	R	
3.5.		No		R	R	
3.6.		No		R	R	
3.7.		No		R	R	
3.8.		No		R	R	
3.9.		No		R	R	
3.10		No		R	R	
	<i>TOTAL FOR ITEM 3: SUPPLY OF SPARES</i>				<i>R</i>	

ITEM	DESCRIPTION	UNI T	ESTIMATE D QTY (for evaluation purposes) only)	RATE Excluding VAT	AMOUNT Excluding VAT	Affected by ROE (Y/N)
4.1. 4.2. 4.3. 4.4. 4.5. 4.6 4.7 4.8 4.9 4.10	<p>OTHER ITEMS(NOT LISTED ABOVE)</p> <p>Any other items that may be necessary for ease of set up, calibration or operation. <Bidder to detail items below></p> <p>Repairs to detector unit not covered by warranty</p>	No. No. No. No. No. No. No. No. No. No.	100	R R R R R R R R R R	R R R R R R R R R R	
	<i>TOTAL FOR ITEM 4: OTHER ITEMS</i>				R	

ITEM	DESCRIPTION	UNIT	ESTIMATE D QTY (for evaluation purposes) only)	RATE Excluding VAT	AMOUNT Excluding VAT	Affected by ROE (Y/N)
	SUPPLY OF VIDEO CAMERA VEHICLE PRESENCE DETECTOR UNITS					
5.1	Wireless Traficam x-stream (or equivalent) with video streaming					
	a) Wide Angle	No	20	R	R	
	b) Narrow Angle	No	20	R	R	
5.2	Wireless Thermicam (or equivalent) with video streaming (using thermal energy)					
	a) Wide Angle	No	20	R	R	
	b) Medium Angle	No	20	R	R	
	b) Narrow Angle	No	20	R	R	
5.3	Controller Interface Card					
	a) 1 channel	No	10	R	R	
	b) 4 channel	No	40	R	R	
	c) Wireless base station	No	50	R	R	
5.4.	Industrial 4G router (min 4 port)	No	50	R	R	
5.5	5-way antenna	No	50	R	R	
5.6	Solar Power kit (for isolated installations)	No	30	R	R	
5.7	8-meter pole including base	No	50	R	R	
5.8	2 Core Power Cable, 1mm SWA Cable	Met	5000	R	R	

		er				
5.9	Set up & calibration software	No	1	R	R	
5.10	Flux software (or equivalent) including hardware	No	1	R	R	
5.11	Training & Documentation	No	1	R	R	
5.12	Technical Support	Hour	300	R	R	
<i>TOTAL FOR ITEM 5: SUPPLY OF VIDEO CAMERA VEHICLE DETECTOR</i>					R	

ITEM	DESCRIPTION	UNIT	ESTIMATED QTY (for evaluation purposes only)	RATE Excluding VAT	AMOUNT Excluding VAT	Affected by ROE (Y/N)
	INSTALLATION OF VIDEO CAMERA VEHICLE DETECTOR UNITS					
6.1	Installation of video camera vehicle detector including mounting and setup / configuration	No	40	R	R	
6.2	Installation of Solar power kit	No	20	R	R	
6.3	Installation of pole including base for repeater or access point	No	20	R	R	
6.4	Installation of cable between camera and controller (per meter trenched and re-instated)	Per meter	1000	R	R	
6.5	Installation and configuration in traffic signal controller	No	50	R	R	
6.6	Call out for maintenance	No	100	R	R	
	TOTAL FOR ITEM 6: INSTALLATION OF MAGNETOMETER VEHICLE DETECTOR UNITS				R	

ITEM	DESCRIPTION	UNIT	ESTIMATED QTY (for evaluation purposes only)	RATE Excluding VAT	AMOUNT Excluding VAT	Affected by ROE (Y/N)
7.1. 7.2. 7.3. 7.4. 7.5. 7.6. 7.7 7.8 7.9 7.10	SUPPLY OF SPARES (NOT LISTED ABOVE) <Bidder to specify>	No No No No No No No No No No		R R R R R R R R R R	R R R R R R R R R R	
	<i>TOTAL FOR ITEM 7: SUPPLY OF SPARES</i>				<i>R</i>	

ITEM	DESCRIPTION	UNIT	ESTIMATE D QTY (for evaluation purposes) only)	RATE Excluding VAT	AMOUNT Excluding VAT	Affected by ROE (Y/N)
8.1	<p>OTHER ITEMS (NOT LISTED ABOVE)</p> <p>Any other items that may be necessary for ease of set up, calibration or operation. <Bidder to detail items below></p> <p>Repairs to detector unit not covered by warranty</p>	No.	100	R	R	
8.2		No.		R	R	
8.3		No.		R	R	
8.4		No.		R	R	
8.5		No.		R	R	
8.6		No.		R	R	
8.7		No.		R	R	
8.8		No.		R	R	
8.9		No.		R	R	
8.10		No.		R	R	
	TOTAL FOR ITEM 8: OTHER ITEMS				R	

ITEM	DESCRIPTION	UNIT	ESTIMATE D QTY (for evaluation purposes) only)	RATE Excluding VAT	AMOUNT Excluding VAT	Affected by ROE (Y/N)
9.1	Safety File	No.	1	R	R	
	<i>TOTAL FOR ITEM 9: SAFETY FILE</i>				R	

SUMMARY OF BID

ITEM	BID (Y/N)	TOTAL FOR ITEM
ITEM 1 SUPPLY OF MAGNETOMETER VEHICLE DETECTOR UNITS		R
ITEM 2 INSTALLATION OF MAGNETOMETER VEHICLE DETECTOR UNITS		R
ITEM 3 SUPPLY OF SPARES (Magnetometer)		R
ITEM 4 OTHER ITEMS (Magnetometer)		R
ITEM 5 SUPPLY OF VIDEO CAMERA VEHICLE DETECTOR UNITS		R
ITEM 6 INSTALLATION OF VIDEO CAMERA VEHICLE DETECTOR UNITS		R
ITEM 7 SUPPLY OF SPARES (Video)		R
ITEM 8 OTHER ITEMS (Video)		R
ITEM 9 SAFETY FILE		R

All Prices Exclude Value Added Tax Rate of Value Added Tax _____%

Base Rate of Exchange (ROE) used: _____

Increase required after 12 months (according to CPI) (Yes/No) _____

Name of bidder (in full): _____

Telephone Number: _____

Fax Number: _____

E-mail address: _____

Name of person authorised to sign this tender: _____ (Block letters)

Signature of person authorised to sign this tender: _____

Date: _____

Witness: _____ Date: _____

End of BOQ SUPPLY, DELIVERY, OFF-LOADING, INSTALLATION, REPLACEMENT AND MAINTENANCE OF MAGNETOMETER OR VIDEO DETECTION DEVICES, COMPATIBLE WITH EXISTING TECHNOLOGY IN USE, AND ASSOCIATED COMPONENTS AS REQUIRED BY THE JOHANNESBURG ROADS AGENCY (JRA) FOR A PERIOD OF THREE YEARS (36 MONTHS) "AS AND WHEN" CONTRACT.