

ROADWAY LIGHTING - BILL OF QUANTITIES: ES/25/RWL/01

Item	Description	Unit	Qty	Qty term 1	Supply Rate	Amount
SECTION A1 : ANNUAL CHARGES						
A1.1	Annual Preliminary & General		1			
A1.1.1	Provision of surety	Year	1		R	R
A1.1.2	Provision of insurances	Year	1		R	R
A1.1.3	Staff protective personal equipment	Year	1		R	R
A1.1.4	Staff induction	Year	1		R	R
A1.1.5	OHS compliance method statement	Year	1		R	R
A1.1.6	CEMP compliance method statement	Year	1		R	R
A1.1.7	Provision of Electronic Maintenance Manual	Year	1		R	R
A1.1.8	Provision of Updated drawings in AutoCAD format	Year	1		R	R
SECTION A1 - TOTAL FOR SCHEDULE CARRIED FORWARD TO SUMMARY					Sub Total	R
SECTION A2 : MONTHLY CHARGES						
A2.1	Monthly Preliminary & General					
A2.1.1	Monthly overheads & administration charges	Months	12		R	R
A2.1.2	Other monthly contractual charges	Months	12		R	R
SECTION A2 - TOTAL FOR SCHEDULE CARRIED FORWARD TO SUMMARY					Sub Total	R
SECTION B1 : ROUTINE MAINTENANCE						
B1	Routine maintenance (inclusive of all labour, equipment, transport and related costs)					
B1.1	Complete monthly inspection & submit report in electronic format, recording works carried out, findings requiring attention and costs to resolve	No.	12		R	R
B1.2	Obtain relevant substation work permits for the month and Complete street lighting bypasses, Reset all control panels and all pole circuit breakers, Maintain all wiring connections, Maintain all roadway lighting pole alignment & compaction, Maintain all luminaire angle and/or alignment and Clean complete luminaire externally, including gear and reflector compartments	No.	12		R	R
SECTION B - TOTAL FOR SCHEDULE CARRIED FORWARD TO SUMMARY					Sub Total	R
Item	Description	Unit	Qty	Qty	Supply & Install Rate	Amount
SECTION C1 : GENERAL MAINTENANCE						
C1	General maintenance - provide supply rate for each item (The totalization for this section to be excluded from the final total)					
C1.1	150W Metal halide HQI - T 150NDL lamp	Qty	1		R	-
C1.2	250W Metal halide HQI - T 250NDL lamp	Qty	1		R	-
C1.3	250W HPS NAV-T(son-t) lamp	Qty	1		R	-
C1.4	150W HPS NAV-T(son-t) lamp	Qty	1		R	-
C1.11	20 Ampere Contactor (Siemens or equivalent)	Qty	1		R	-
C1.12	5 Ampere MCB 5kA (CBI or equivalent)	Qty	1		R	-
C1.13	2.5mm ² illumination cable (price/m)	Qty	1		R	-
C1.14	16 mm ² 4c PVC/SWA/PVC 600/1000V cable	m	1		R	-
C1.15	Scotchcast cable joint kit & ferrules to suite cable range	Qty	1		R	-
C1.16	Photo sensitive switch (National)	Qty	1		R	-
C1.17	Capacitor for HPS/ MH lamps	Qty	1		R	-
C1.18	Ignitor for MH lamps (Tridonic)	Qty	1		R	-
C1.19	Analogue Timer with 7 day spring reserve	Qty	1		R	-
C1.20	Digital Timer with 7 day spring reserve	Qty	1		R	-
C1.21	9m (MH) GRP pole (white)	Qty	1		R	-
	LEDlume-midi - 42LED/108W/11612lm	Qty	1		R	-
C1.25	Replace ballast	Qty	1		R	-
C1.27	Excavate, backfill and reinstate 0.45mx0.8m cable trench	Qty	1		R	-
C1.28	Remove & replace luminaire (Free issue material from ELIDZ stores)	Qty	1		R	-
C1.29	Excavate, backfill and make good hole for GRP mast (1.5m3/hole)	Qty	1		R	-
C1.30	Replace GRP mast (Free issue material from ELIDZ stores)	Qty	1		R	-
C1.31	Locate fault in underground electrical cable	Qty	1		R	-

SECTION D1 : PROVISIONAL SUMS						
The total amount for sectin D1 must be inclusive of provided provisional sum & profit and attendace bidded % amount						
Item	Description	Unit	Qty	Qty	Supply & Install Rate	Amount
D1.2	Labour additional to scheduled works - For repairs and call outs					
D1.2.1	Electrical Technician	hr	480		R	R
D1.2.2	Semi Skilled Labour	hr	480		R	R
D1.2.3	Labour	hr	200		R	R
D1.3	Travelling additional to scheduled works					
D1.3.1	LDV	km	4000		R	R
D1.3.2	Truck - 8 Ton with a crane	Days	100		R	R
D1.3.3	Hydraulic Platform - Nifty/Cherry pick	Days	100		R	R
D1.4	Provisional Allowance for replacement equipment					
D1.4.1	Provisional sum for Replacement of Street and Canopy Lighting with LED Luminaires	Sum	1		R	600 000.00
D1.4.2	Profit and attendance - bid % of the sum on C1.4.1	%		%	R	
D1.4.3	Provisional sum for re-instatement (concrete / paving / pre mix)	Sum	1		R	50 000.00
D1.4.4	Profit and attendance - bid % of the sum on C1.4.3	%		%	R	
D1.4.5	Provisional sum for Estate Building Lighting Repairs	sum	1		R	150 000.00
D1.4.6	Profit and attendance - bid % of the sum on C1.4.5	%			R	-
D1.4.7	Provisional sum for Replacement of Estate Building Lighting with LED Luminaires	Sum	1		R	250 000.00
D1.4.8	Profit and attendance - bid % of the sum on C1.4.7	%		%	R	
D1.4.9	Contingency allowance for non-schedule Work	Sum	1		R	150 000.00
D1.4.10	Profit and attendance - bid % of the sum on C1.4.9	%		%	R	
SECTION D - TOTAL FOR SCHEDULE CARRIED FORWARD TO SUMMARY				Sub Total		R
The total amount for sectin D1 must be inclusive of provided provisional sum & profit and attendace bidded % amount						
SUMMARY						
SECTION A1 : ANNUAL CHARGES						R
SECTION A2 : MONTHLY CHARGES						R
SECTION B1 : ROUTINE CHARGES						R
SECTION C1 : GENERAL MAINTENANCE						
SECTION D1 : PROVISIONAL SUMS						
The total amount for sectin D1 must be inclusive of provided provisional sum & profit and attendace bidded % amount						R
Nett Tender Sum for Year 1						R
Nett Tender Sum for Year 2 (Escalated)			%			R
Nett Tender Sum for Year 3 (Escalated)			%			R
Total for 3 (Three) Year Term						R
Add VAT @ 15%						R
Gross Tender Sum carried to Form of Offer						R