

ROADWAY LIGHTING - BILL OF QUANTITIES

Item	Description	Unit	Qty	Qty	Supply Rate	Amount
SECTION A1 : ANNUAL CHARGES						
A1.1	Annual Preliminary & General			1		
A1.1.1	Provision of survey	Year		1		
A1.1.2	Provision of Insurance	Year		1		
A1.1.3	Staff protective personal equipment	Year		1		
A1.1.4	Staff induction	Year		1		
A1.1.5	OHS compliance method statement	Year		1		
A1.1.6	CEMP compliance method statement	Year		1		
A1.1.7	Provision of Electronic Maintenance Manual	Year		1		
A1.1.8	Provision of Updated drawings in AutoCAD format	Year		1		
TOTAL FOR SCHEDULE CARRIED FORWARD TO SUMMARY					Sub Total	
SECTION A2 : MONTHLY CHARGES						
A2.1	Monthly Preliminary & General					
A2.1.1	Monthly overheads & administration charges	Months		12		
A2.1.2	Other contractual items not detailed above	Months		12		
TOTAL FOR SCHEDULE CARRIED FORWARD TO SUMMARY					Sub Total	
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		
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		
TOTAL FOR SCHEDULE CARRIED FORWARD TO SUMMARY					Sub Total	
Item	Description	Unit	Qty	Qty	Supply & Install Rate	Amount
SECTION C1 : GENERAL MAINTENANCE						
C1	General maintenance (inclusive of 24 hour response with ELIDZ control and security office)					
C1.1	150W Metal halide HQI - T 150NDL lamp	Qty		100		
C1.2	250W Metal halide HQI - T 250NDL lamp	Qty		100		
C1.3	250W HPS NAV-Tison-I) lamp	Qty		50		
C1.4	150W HPS NAV-Tison-I) lamp	Qty		100		
C1.5	70/75W HPS NAV-Tison-I) lamp	Qty		100		
C1.6	PL 09 Lamp	Qty		100		
C1.7	PL 18 Lamp	Qty		100		
C1.8	PL 38 Lamp	Qty		100		
C1.9	20 Watt Energy Saving lamps for Bollard Lighting	Qty		40		
C1.10	56W - Fluorescent Tube	Qty		100		
C1.11	20 Ampere Contactor (Siemens or equivalent)	Qty		25		
C1.12	5 Ampere MCB 5kA (CBI or equivalent)	Qty		10		
C1.13	2.5mm ² aluminium cable (price/m)	Qty		200		
C1.14	16 mm ² 4c PVC/SWA/PVC 600/1000V cable	m		200		
C1.15	Spot/boost cable joint kit & terminals to suite cable range	Qty		20		
C1.16	Photo sensitive switch (National)	Qty		5		
C1.17	Capacitor for HPS/ MH lamps	Qty		5		
C1.18	Inductor for MH lamps (Tidonic)	Qty		30		
C1.19	Analogous Timer with 7 day spring reserve	Qty		1		
C1.20	Digital Timer with 7 day spring reserve	Qty		5		
C1.21	8m (RM) GRP pole (white)	Qty		5		
C1.22	250 W Beka Strada (SE/Grey)	Qty		1		
C1.23	250 W Beka Citea (SE/White)	Qty		1		
C1.24	150 W Beka Citea (SE/White)	Qty		1		
C1.25	Replace ballast	Qty		10		
C1.26	Beka 21218 Bulk Head SQR 2_ x 18w	Qty		4		
C1.27	Excavate, backfill and reinstatate 0.45mx0.8m cable trench	Qty		4		
C1.28	Remove & replace luminaire (Free issue material from ELIDZ stores)	Qty		10		
C1.29	Excavate, backfill and make good hole for GRP mast (1.6m3/hole)	Qty		10		
C1.30	Replace GRP mast (Free issue material from ELIDZ stores)	Qty		4		
C1.31	Locate fault in underground electrical cable	Qty		20		
TOTAL FOR SCHEDULE CARRIED FORWARD TO SUMMARY					Sub Total	
SECTION A4 : PROVISIONAL CHARGES						
Item	Description	Unit	Qty	Qty	Supply & Install Rate	Amount
SECTION D1 : PROVISIONAL SUMS						
D1.1	Call out (inclusive of all labour, equipment, transport and related costs)					
D1.1.1	Emergency response (immediate)	No.		1		
D1.1.2	Urgent response (24 hours)	No.		2		
D1.1.3	Routine response (extra over during normal working hours)	No.		20		
D1.2	Labour additional to scheduled works					
D1.2.1	Electrical Technician	hr		40		
D1.2.2	Semi Skilled Labour	hr		40		
D1.2.3	Labour	hr		40		
D1.3	Travelling additional to scheduled works					
D1.3.1	LDV	hr		72		
D1.3.2	Truck - 8 Ton	hr		20		
D1.3.3	Hydraulic Platform	hr		5		
D1.3.4	Crane truck	hr		8		
D1.3.5	Compressor	hr		8		
D1.3.6	Whacker Rammer Compactor	hr		8		
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	%				
D1.4.3	Provisional sum for re-instatement (concrete / paving / pre mix)	Sum		1	R	