



**REPUBLIC OF KENYA**

**County Government Of Kisumu**

**City Of Kisumu  
Engineering Department**

**BILLS OF QUANTITIES FOR THE PROPOSED INSTALLATION OF  
SOLAR LIGHTS IN VARIOUS STREETS WITHIN THE CITY  
TENDER NO .....**

**Prepared By  
Public Works and Housing  
Department Of Engineering`  
P. O. Box 105-40100  
KISUMU**

**Issued By  
Head Of Engineering  
Department Of Engineering  
P.O.Box 105-40100  
KISUMU**

		Contract BQ			
ITEM	ITEM DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1.1	<u>Solar Streetlights</u>				
	<u>PRELIMINARIES</u>				
1.2	Allow a Provisional Sum of 185, 000 Kenya Shillings for preliminaries to be expended in whole or at the direction of the Project	1.00	LS		-
	<b>TOTAL FOR PRELIMINARIES</b>				-

ITEM	ITEM DESCRIPTION	Contract BQ			
		QTY	UNIT	RATE	AMOUNT
2.1	Supply, Installattion, Testing and Commissioning of Integrated Solar LED Street Light cw: (i) 250-320W LED Lamp (ii) 650W Mono Crystalline Silicon Cells PV module (iii) 450Ah Batteries	116.00	No		-
2.2	Dusk to dawn programmable timer switch control	116.00	No		-
2.3	Charge controllers	116.00	No		-
2.4	Illumination level control	116.00	No		-
	<b><u>Streetlight Posts</u></b>				
	Fabricate, supply and install anchored concrete class 20/25 concrete footing steel poles -price quoted to include cutting,welding/brasing and grinding				
2.5	6" G.I. Pipe	58.00	PCs		-
2.6	4" G.I. Pipe	58.00	PCs		-
2.7	2" G.I pipe	58.00	PCs		-
2.8	10mm Thick MS plate (400mm X 400mm)	58.00	SM		-
2.9	20mm Anchor Bolts complete with 2Nut and Washers (600mm Long)	58.00	NO		-
	<b><u>Stab Columns</u></b>				
	<b><u>High yield deformed rebars reinforcement to B.S. 4461</u></b>				
2.10	Assorted 12mm, 10mm and 8mm diameter bars	1,412.50	Kg		-
	<b><u>Insitu reinforced concrete: class 20 /20 mm aggregates: vibrated: reinforced</u></b>	-			-
2.11	Stub Column and Base	37.24	CM		-
	<b><u>Sawn formwork: to</u></b>				-
2.12	Sides of the stub column	215.76	SM		-
<b>TOTAL FOR UPGRADING OF STREETLIGHTS CARRIED TO SUMMARY</b>					-

**SITE PREPARATION**

ITEM	ITEM DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<b>Site preparation</b>				
3.1	Excavate for structure in hard material (mechanical) not exceeding 1.5 metres deep	58.00	CM		-
3.2	Fill in hard material and compact	38.98	CM		-
3.3	Cut to spoil in hard	81.20	CM		-
3.4	<u>Insitu surface bed concrete: class 20 /20 mm aggregates: vibrated:</u> 100 mm to receive RC sub collumn base	8.70	CM		-
	<b><u>DAYWORKS</u></b>				
	<b><u>Plant and equipment:</u></b>				
	<b><u>Note: The rates included herein are to include all operational and maintenance costs, fuel, oil grease, operator charges, wages, supervision, overheads and profits. Only actual time employed upon the work will be measured. All item of the plant must be priced.</u></b>				
3.5	Baby crane	14.00	Day		-
	<b><u>Traffic control</u></b>				
3.6	Traffic control	14.00	Day		-
3.7	Watchman	14.00	No		-
<b>TOTAL FOR UPGRADING OF STREETLIGHTS CARRIED TO SUMMARY</b>					<b>-</b>

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<b>SECTION NO. 8</b>				
	<b>PC &amp; PROVISIONAL SUMS</b>				-
	<b><u>Contract Implementation Team (CIT)</u></b>				-
8.4	Allow a Provisional Sum of Kenya Shillings Three Hundred Thousand as provided for in the in the PPAD 2015 to be expended in whole or at the direction of the Project Manager	ITEM	1.00	300,000.00	
	Allow for profit	%	5%		
	Allow for attendance	SUM	5%		
	<b><u>Contingency Sum</u></b>				-
8.80	Provide a provisional sum of Ksh 200,000 for contingencies	SUM	1.00		-
	<b>Total Carried to Main Summary</b>			KES.	-

**GRAND SUMMARY**

ITEM	ITEM DESCRIPTION	Contract BQ AMOUNT
B	PRELIMINARIES	-
A	MEASURED WORKS	-
C	SITE PREPARATIONS	-
D	PC & PROVISIONAL SUMS	-
	<b>TOTAL</b>	-
	ADD 16% V.A.T	-
	ADD 0.03 % capacity building levy	-
	<b>GRAND TOTAL CARRIED TO FORM OF TENDER [BID SUM]</b>	-