

MEASUREMENT DETAILS

PAGE NO.-2

REF. DRG.D/1/LTG./KMC.

A=50" =1270 MM (LENGTH OF ARMS)
B=30" =762 MM (STRAIGHT LENGTH OF ARMS)
C=18" =475.2 MM (LENGTH OF MIDDLE ARM)
D=24" =609.6 MM (HEIGHT OF FITTING)
E=18"=457.2 MM (WIDTH OF FITTING)
F=16"=406.4 MM (DISTANCE BETWEEN ARM AND POLE)
G=88"=2235.2 MM (DISTANCE OF 1ST ARM FROM TOP OF MUFFING)
H=118"=2997.2 MM (DISTANCE OF 2ND ARM FROM TOP OF MUFFING)
I=130"=3302 MM (HEIGHT OF POLE FROM TOP OF MUFFING)
J=48"=1219.2 MM (HEIGHT OF SLOT FROM TOP OF MUFFING)
K=16"=406.4 MM (HEIGHT OF SLOT)
L=7"=177.8 MM (HEIGHT OF EARTH BOLT FROM TOP OF MUFFING)
M=10"=254 MM (HEIGHT OF MUFFING)
N=36" =914.4 MM (DEPTH OF FOUNDATION)
O=18"=457.2 MM (WIDTH OF FOUNDATION)
P=30"=762 MM (DEPTH OF POLE UNDER GROUND)
Q=10"=254 MM (DIA OF MUFFING)
R=3.25"=80 MM (DIA. OF POLE) (I.D.)
S=4.25"=107.95 MM (DIA OF SLOT) (I.D.)
T=1.5" =40 MM (DIA OF ARMS) (I.D.)
U=2"=50 MM (BASE HEIGHT OF FITTING)
V=20"=ANGLE OF CURVATURE OF ARM WITH POLE
W=20"=508 MM (ARC LENGTH OF ARM)

Kolkata Municipal Corporation
(Lighting Department)/ Nov.2011

a) 3.25"O.D.(80mm) G.I. Pipe (Jindal/Bansal make)Medium Gauge =170"/39"=4.36mtrs say 4.5mtrs
 Including vat 4%
 @448.76/- = Rs 2019.42

1.50"O.D.(40mm) G.I. Pipe (Jindal/Bansal make)Medium Gauge =124"/39"=3.18mtrs say 3.25mtrs
 Including vat 4%
 @201.03/= Rs 653.34

Rs2672.76

Add: Waistage cost adjusting the scrap value (+15%) -----
 Rs 400.91

Rs. 3073.67

b) Reducer (G.I. Reducing Socket 80mmx40mm (3.5"x1.5") ----- 1 no.
 Rs. 270.40

Including vat 4%

c) Fabrication labour charge :- assuming one fitter(mechanic) & 2 nos. fitter(helper) fabricated 24 nos. arms in 08 hours Here per arm bending charge :-

One fitter mechanic =200/- p/day x 01 =Rs. 200.00

Two nos. fitter helper =170/- p/day x2= Rs 340.00

Rs. 540.00/24 =22.50 x 2 nos. =

Rs. 45.00

d) Fuel charge foir heating of pipe for bending of two nos. of arms for one decorative poles.L.S. =
 Rs. 30.00

e) Tool & Tacklers charge L.S. =
 Rs. 20.00

Rs.3439.07

Add. Profit 10% on all above items -----
 Rs. 343.90

Rs3782.97

f) Slot cutting (Ref:- KMC Sch 2008-2009 Addi item -18a)
 Rs. 778.00

g) Bakelite plate (Ref:- KMC Sch 2008-2009 Addi item -17b)
 Rs. 108.00

h) Gas cutting of different pipes approx. 60 sq. cm. @5.60/- sq.cm.
 Rs. 336.00

(Ref:- PWD Sch 2010, item -3,Page 151)

i) Welding of arms two nos. approx. 54cm. run including sole plate @8.12/- per cm. run
Rs. 438.48

(Ref:- PWD Sch 2010, item -31,Page 167)

j) Sole plate (6" x6" size) Rs 486.00(for 18" x18")/9
Rs. 54.00

(Ref:- KMC Sch 2008-09, K-3 item-10)

Rs.5497.45

Add 4% Vat on fabricated finished product on (itema a) toj) -----
Rs 219.90

k) Add 2% for transportation & loading & unloading -----
Rs. 109.95

Rs.5827.30

KOLKATA MUNICIPAL CORPORATION (LIGHTING
DEPARTMENT) / NOV.2011

B) Analysis of pole Installation. (For DRG NO.-D/1/LTG/KMC)

Page-4

- a) Erection of decorative light pole of 5.12mtrs (3 arms) (Ref:- KMC Sch 2008-09,K-3/9)
Rs. 877.00
- b)Painting extra for two nos. of arms (Ref:- KMC Sch 2008-09,K-4/16a mini pole painting)
Rs. 91.00
- c) Earthing (Ref:- KMC Sch 2008-09,J-2/5)
Rs. 302.00
- d)Supplying &fixing of 15A Fuse units (Ref:- KMC Sch 2008-09,K-2/7)
Rs. 30.00
- e) Supply & fitting of one bolt at pole body for fixing of earth wire.
L.S. Rs. 20.00

Rs. 1320.00

C) Decorative light Fitting:

- a) Supply of SOLITE Brand post top lantern as per cat no. UEGP(N) 18W CFL. Rs.8895.00
Fair Rate—03 nos. @2965/-
- b) CFL Lamp 18 watt /Philips make Fair Rate---03 nos. @231/-
Rs. 693.00
- c) Internal wiring by 3/0.737 cu. Wire ----- 18 mtrs (Ref: KMC Sch B-2/2a) @887/--per100 mtrs
Rs. 159.66
- d) Laying of wires 18 mtrs(Ref: KMC Sch I-2/3a) @12/--per mtrs
Rs. 216.00
- e) Fitting fixing of decorative fitting to pole including through nuts @124/-Each x3 nos. Rs.
372.00
((Ref: KMC Sch B-2/2a)

Rs. 10335.66

- f) Add transporting, loading &unloading 2% (from a to e)
Rs. 206.71

Rs. 10542.37

ITEMS:- Supply internal wiring etc as per direct& erection of decorative light pole approx.5.12 mtrs long made of 80mm dia. G.I. pipe (Jindal/Bansal make medium gauge) with two nos. extended bend arms (40 mm) each length approx.1.33 mtrs to be fixed as per drawing. The pole has slot cutting for provision of cable entry with Bakelite sheet & 15A fuse units (one no.).Erection of pole as per KMC Elect . Schedule 2008-09 item no K-3/9 and Earthing as per KMC Elect . Schedule 2008-09

item no J-2/5. The pole painted by two coats of Al. paints (British/Shalimar) over a coat of red oxide primer. The 03 arms of poles fitted with garden light fittings - 03 nos. of SOLITE/KLITE/HAVELLS/PHILIPS/Other superior make Decorative fittings.(SOLITEcat no. UEGP(N) including supply of 18 W CFL Lamp (Philips make)& complete ion E.I.C

A. ----- 5827.30

B. ----- 1320.00

C. ----- 10542.37

17689.67

Say --- 17690.00

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FAIR RATE

SL. NO.	Description of items	Total rate(Rs)
1.	<p>Supply & erection of decorative light pole approx.5.12 mtrs long made of 80mm dia. G.I. pipe (Jindal/Bansal make medium gauge) with two nos. extended bend arms (40 mm) each length approx. 1.33 mtrs to be fixed as per drawing. The pole has slot cutting for provision of cable entry with Bakelite sheet & 15A fuse units (one no.).Erection of pole as per KMC Elect . Schedule 2008-09 item no K-3/9 and Earthing as per KMC Elect . Schedule 2008-09 item no.-J-2/5. The pole painted by two coats of Al. paints (British/Shalimar) over a coat of red oxide primer. The 03 arms of poles fitted with garden light fittings-03nos.ofSOLITE/KLITE/ HAVELLS/ PHILIPS/Other superior make Decorative fittings.(SOLITE cat no. UEGP(N) including supply of 18 W CFL Lamp (Philips make) & complete internal wiring etc as per direction E.I.C</p>	<p>Each 17690.00</p>

REF:- DRG NO.-D/1/LTG/KMC

FAIR RATE

SL. NO.	Description of items	List price(Rs)	VAT(Rs) (13.5%)	Profit(Rs) (10%)	Total rate(Rs)
1.	Supply of post top decorative outdoor luminaries with thick non transparent acrylic top cover with anti-theft locking arrangement suitable for 1 X 18W PL/23W CFL/32W CFL LAMP (with Milky /clear Acrylic) cat ref no.-UEGP(N)-18w PL/23W CFL/32W CFL(with out lamp) SOLITE/HAVELLS/PHILIPS/EQUIVALENT	2375.00	320.63	269.56	2065.19 Say 2965.00
2.	Supply of CFL Lamp 18W (Philips make)	185.00	24.98	21.00	230.98 Say 231.00

REF:- DRG NO.-D/1/LTG/KMC