1.Supply, replacement, fixing, testing, connecting and  
commissioning of 72 Watt or above LED street lights  
fittings.LED Luminaries:-(1) A complete LED lighting unit  
consisting of a light source and driver together with parts of  
distribute lights,to position and protect the light source,and to  
connect the light source to a branch circuit.The light source  
itself may be an LED array and LED module, or an LED lamp.

(2):-Supplied LED luminaries shall confirm to IS:16101(2012) IS  
:16106(2012).Light Source(LED) in the Luminaries sh o u ld b e  
o f make:- (1):-NICHIA/ CREE/OSRAM/ SEOUL/  
PHILIPS/LUMILEDS/LEDNIUM. (2):-LEDs to  
IS:16105(2012).IS:16108(2012),IEC:62471.Type LED:- High  
power LED,SMD(Surface Mounting device)/COB(Clip on  
board).1.Input operating voltage :-105-295 V AC.2:- Normal  
Voltage-220V AC,

3.Driver type: constant current driver with  
short circuit protection.

4.LED life:- >50000 burning  
hours.

5.Depreciation:- 30% max.after 50000 burning  
hours.

6.Control of distribution:-Full cut off.

7.Surge  
protection:4KV.

8.Drive component :Industrial grade  
only.

9.Efficiency of driver electronic: > 85%.

10.Beam  
angle:>=140 degree along with road and >=80 degree a c r o s  
s the road.

11.Colour temperature:5000- 6 5 0 0 K .

1 2 . C o l o  
u r rendering in d e x ( C R I ) : >=7 5 .

1 3 . I n g r e s s  
protection :IP- 66.

14.Lumen output: >120  
lumens/watt.

15.Power factor:->0.95.

16.Total hormonics  
distrotion(THD):- <15%.

17.Lamp c o v e r :T oughened g l a s s  
o r UV stabilsed poly carbonate.

18.Finishing:Power coated  
/Anodized.

19.Secondry optics:poly corbonate reflector/ poly  
carbonates lens.

20.Construction of housing: extruded  
aluminum/CRCA/Pressure die cast  
aluminum.

21.Mounting:Suitable for existing pole/Truss/Lantern  
mounted.

22.Certificate:Firm to submit LM80(In respect of LED  
used)& LM79(In respect of luminare used) test certificate from  
National/International accredited Laboratory and OEM  
certificate for compliance of BIS/IEC.

23.Warranty:Firm to  
submit warranty certificate for two year along with the supply.All  
fittings shall be fitted with new suitable bend/elbow with clamp  
and proper nut and bolt and connection with twisted twin  
flexible cord o f minimum s i z e 1 6 / 1 mm copper conductor  
as per relevant technical specification. Materials pr am eter s  
must remain unchanged during entire warranty  
period.Make:Philips,Bajaj,Crompton,Havells&Halonix------------**138 NOS**