

A. STAND ALONE SOLAR LIGHT

Provide and fix Solar Luminaire, including

Lamp Head made with Aluminium Alloy, Solar PV Module, Solar Charge Controller-MPPT, Lithium Ion battery type, Light Emitting Diode (LED) - LED should be 4-cell, 100W and 10,000 - 12,000 Lumens with 2 years Warranty Period from the day installation was handed over to the Authority. - LED Life should be minimum of 50,000 hours.

Protection: High / Low temperature protections, Short circuit & Open load protections, Overcharging & Over discharging protections

B. STREETLIGHT POLES

Provide and fix 8.0m height Galvanized Circular Pole or Octagonal Shaped Streetlight Pole with Plate thickness of 3.0mm and Base plate thickness of 450mm x 450mm.

All Pole designs will with stand a gusted wind velocity of 150 km/h

yield strength: 235Pa 24kg/mm²

Tensile Strength: 375-460Pa 38-47kg/mm²

Top diameter: 70mm

Bottom diameter: 150mm

Sheet: 3mm

Base plate (LxBxT)= 240x240x16

Bolts size (nos x dia)mm=4x20x750