

## Electrical Works

### Electrical Works for Road Lighting at Iqbal Road, Malir Cantt, Karachi.

#### Scope of Electrical Work

- ✚ Installation of galvanized steel poles double arm 10.792 meters long: 112 Nos.
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- ✚ Laying and fixing of LT armoured cables, 16mm (4500 RM) and 25mm<sup>2</sup> (880 RM), 4 core and 3.5 Core, respectively.
- ✚ Painting of steel poles upto 12 meter long by anti corrosive paint.
- ✚ Complete Special Earth works with water tables of more than 3 meters depth.
- ✚ Stringing, straining and tensioning of 6 SWG stranded copper conductor.
- ✚ Providing and installing road light fixtures OSRAM SON-T Lamp 250W.
- ✚ Providing, installing and connecting D.B for 500V, 3 Phase, 4 wires and earth terminal.
  - a. Photo Electric switch (EE-8080-821)
  - b. Toggle Switch
  - c. Contactor TP 15A
  - d. McB TP 15A, 6-KA
  - e. McB SP 15A, 6-KA
  - f. MccB TP 40A, 10-KA
  - g. Indication Lamps
- ✚ Providing and installing water tight MS junction box with 10A DP MCB 6-KA.
- ✚ Construction of Main Holes 450mm x 450mm x 600mm on all earth borings.
- ✚ Providing and connecting S!C pvc insulated 2.5mm<sup>2</sup> for Lamps.
- ✚ Providing and laying 6" dia RCC pipe for underground cable road crossings.
- ✚ Connection with the Transformers (Source) to power up the lights.
- ✚ Light Fixture Type SGP - 328 / 250 Watt = 224.00 Nos.
- ✚ Distribution Board = 5.0 Nos.
- ✚ Junction Box 10A DP = 112.00 Nos



**Client**

Cantonment Board Malir Cantt, Karachi

**Consultants**

Osmani & company (Pvt.) Ltd., Karachi

**Cost of Work**

Rs. 152.11 Million

**Year of Completion**

2010

