

**Part 1        General****1.1            RELATED SECTIONS**

- .1        Section 34 43 14 - Elevated Edge Lighting for airport runways.

**1.2            SYSTEM DESCRIPTION**

- .1        Re-elevation of taxiway and the apron lights.

**Part 2        .2        Products****2.1            BREAKABLE COUPLING**

- .1        Re-use the existing breakable coupling.

**2.2            LIGHT UNIT GROUND ANCHOR**

- .1        Conduit anchor 50.8 mm diameter conduit, galvanized steel, threaded at both end, with conduit coupling.
- .2        Ring 50.8 mm in diameter, galvanized steel and threaded.

**Part 3        Execution****3.1            INSTALLATION OF LIGHT UNIT ANCHORS**

- .1        Install above the 53 mm diameter, light unit anchors, at locations indicated
  - .1        Remove existing light.
  - .2        Remove breakable coupling.
  - .3        Dig to expose the secondary connector above ground.
  - .4        Install galvanized steel threaded coupling, 53 mm diameter.
  - .5        Install 53 mm bushing
  - .6        Apply anti-corrosive lubricant to frangible sleeve threads.
  - .7        Install the breakable coupling. The point of frangibility will be 50 mm above the ground.
  - .8        Install and connect the light.

**END OF SECTION**

**Part 1           General****1.1               RELATED WORK**

- .1       Section 34 43 10 : Airport Lighting General

**1.2               MEASUREMENT PROCEDURES**

- .1       The cost for the inherent works under this section will be integer and will be part of lump sum. This lump sum will englobe all the electrical works included in plans and spec of this project.

**Part 2           Products****2.1               MEDIUM INTENSITY ELEVATED LIGHT - SERIES CIRCUIT**

- .1       Re-elevation of runway, taxiway, apron and threshold lights
  - .1       Works to be done
    - .1       Remove light, clean it and preserve it for future installation.
    - .2       Repair light unit if necessary as per departmental representative instruction.
    - .3       Remove breakable coupling and maintain for future installation
    - .4       Supply and install 1 new 50 mm diameter steel galvanized coupling
    - .5       Supply and install 1 new steel galvanized conduit extension
    - .6       Reinstall breakable coupling
    - .7       Re-install light
    - .8       Hand dig ground to reach secondary cable and transformer and raised them to allow connections to new height of the light.
    - .9       Connect secondary cable to the light and fill the trench with excavated material and level the surfaces with the existing.

**Part 3           Execution****3.1               LIGHT UNIT INSTALLATION**

- .1       Install at locations indicated or as directed by departmental representative.

**END OF SECTION**