1. **GENERAL DATA AND INFORMATION:**

Serial .no: Manufacturer:

Type no: Designation No.

Cubicle no. Rated voltage:

Type/model Rated Current:

1. **MECHANICAL CHECKS & VISUAL INSPECTION:**

(As per TCS – P -105 ,Rev -1 ,Item no 3.26.1)

|  |  |  |  |
| --- | --- | --- | --- |
| Item | Description | Checked | |
| 1 | Inspect For Physical Damage or Defects | ❑Yes | ❑N/A |
| 2 | Verify All Cable Connections As Per Drawing | ❑Yes | ❑N/A |
| 3 | Check all cables and cores are labeled correctly | ❑Yes | ❑N/A |
| 4 | Check tightness of terminals and confirm the cables are secured | ❑Yes | ❑N/A |
| 5 | Check cable size against rating required | ❑Yes | ❑N/A |
| 6 | Check cable entry path trench or ducts are to be properly sealed | ❑Yes | ❑N/A |
| 7 | Check for proper cable support ,clamping trays, blocking | ❑Yes | ❑N/A |
| 8 | Check cable bends | ❑Yes | ❑N/A |
| 9 | Visual inspection, size and rating confirmation | ❑Yes | ❑N/A |

1. **ELECTRICAL TESTS:**

(As per TCS – P -105 ,Rev -1 ,Item no 3.26.2)

\* The megger values will be tested at 1 kV megger

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Phase | Insulation resistance | | Continuity resistance checked | | Phasing check |
| R | Y-B Gnd |  | Y-B Gnd |  |  |
| Y | R-B Gnd |  | R-B Gnd |  |  |
| B | Y-R Gnd |  | Y-R Gnd |  |  |

Criteria**:**

1. **HIGH VOLTAGE TEST**

Applied voltage= 2 K.V. Time duration =1 Min

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Injected phase** | **Connected to earth** | **Leakage current in mA** | | | |
| **15s** | **30s** | **45s** | **60s** |
| **R** | **Y+b** |  |  |  |  |
| **Y** | **B+r** |  |  |  |  |
| **B** | **R+y** |  |  |  |  |

Criteria**:**