[WORKING ON INSTRUMENT/ ELECTRICAL PANELS](D:\\d drive\\Paresh\\BF1 173 m3 After Relining\\WI & HIRA\\Temporary Internet Files\\Content.IE5\\M3  MASTER LIST WORK INST Inst..doc)

**Objective:** Procedurefor working on instrument/electrical panels

Scope: This procedure applies to working on instrument/electrical panels only.

**Reference:** **RISK/INST/07, RISK/INST/18, RISK /INST/17 & RISK/INST/08**

**Performance Criteria** : Safe working in instrument/Electrical panel

**Aspect for the Activity** : Waste generation & Dust spreading

**Identification of Hazards:**

**Physical:** Electric shock, Dust

**Mechanical;** Cut injury.

**Chemical:** Smoke

**Ergonomics-**Improper designed tools

**Hazard due to Human Behaviour/Human error:** Not adhering to WI/ PPE, Alcoholism, Equipment handling by unskilled person, Use of uncertified equipment's, Electric shock due to cutting of power cable instead of signal cable.

## Responsibility: Sr. Engineer Instrumentation/Associate / Inst Technician

**PROCEDURE**

1. Before carrying out work on any of the panels take proper shutdown protocol Of the panel by informing production department if required. Don’t work on HT panels and panels having supply greater than 415 V AC.
2. Inform electrical to shut down main supply to panel from MCC if required. For avoiding accidental electric shock.
3. Check incoming supply to panel by using multimeter/tester and if supply is still Present refer it to Electrical Eng./electrician to isolate it completely.
4. Carry out work/checks on panel first by referring proper circuit diagrams placed in the panel.
5. After work has been carried out inform electrical to switch on supply to the panel.
6. Take proper trials of all devices linked to the panel in presence of concerned

Engineer.

1. After trials is satisfactory clear shutdown protocol from production

**Amendement Record**

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Manual Section Ref. & Para** | **Brief details of Revision** | **New Rev.** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

|  |  |  |
| --- | --- | --- |
| **Prepared By:**  Head Instrumentation PID1 | **Reviewed & Issued By:**  Management Representative | **Approved By:**  Head – Electrical & Instrumentation PID1 |
| **Signature:** | **Signature:** | **Signature:** |
| **Review Date:** 13.09.2023 | **Review Date:** 13.09.2023 | **Review Date:** 13.09.2023 |
|  |  |  |