

	<b>VEDANTA LIMITED – VALUE ADDED BUSINESS</b>	<b>Document No:</b>	<b>VL/IMS/PID1/INST/WI/15</b>
	<b>INTEGRATED MANAGEMENT SYSTEM</b>	<b>Revision Date:</b>	<b>05/01/2022</b>
	<b>Work Instructions for Working on Instruments/Electrical Panels</b>	<b>Revision No:</b> <b>Page No.:</b>	<b>04</b> <b>1 of 1</b>

## WORKING ON INSTRUMENT/ ELECTRICAL PANELS

**Objective:** Procedure for 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 panel 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.
- 7) After trials is satisfactory clear shutdown protocol from production

<b>Prepared By:</b> Associate Manager– Electrical & Instrumentation PID1	<b>Reviewed &amp; Issued By:</b> Management Representative	<b>Approved By:</b> Head – Electrical & Instrumentation PID1
<b>Signature:</b>	<b>Signature:</b>	<b>Signature:</b>
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