**TITLE: - SOP for Operation of HT VCB at Barauni LPG Pumping station**

|  |  |  |
| --- | --- | --- |
| **SL. NO.** | **ACTIVITY** | **RESPONSIBILITY** |
| 1 | HT VCB can be switched on **Electricall**y by two ways | Maintenance Incharge |
|  | A. **LOCAL MODE:**  1. Check trip circuit healthy LED is ON.  2. Check Emergency Push Button is in released condition.  3. Check Field Stop Push Button (if any) is released  4. Put Selector Switch (R-L-F) in LOCAL (L) position.  5. Check whether spring is charged.  6. Rotate selector switch (T-N-C) to CLOSE (C) position.  7. VCB will close and be Switched ON.  **B. REMOTE MODE:**  1. Put Selector Switch (R-L-F) in remote (R) position.  2. Check trip circuit healthy status in HMI.  3. Give Close command from HMI screen  4. VCB will close and be Switched ON. | -Do- |
| 2 | HT VCB can be switched off by two ways | -Do- |
|  | **Electrially**   * Rotate selector switch (T-N-C) to Trip position.   OR  Press Emergency Push button on the panel  OR  Give STOP command from HMI screen  OR  Press STOP push button present on Local push button in field   * VCB will open and be Switched OFF.   **Mechanically:**   * Wear insulation hand gloves of appropriate rating. * Take operating pin of the VCB and press ‘RED’ colour trip button using it. * VCB will be open and be switched OFF | -Do- |
| 3 | **To Rack Out/ Isolate the VCB**   1. Wear insulation hand gloves of appropriate rating. 2. Trip the VCB (Switch OFF) electrically or mechanically. 3. Take driving handle of the VCB and insert it through the hole on front VCB door. 4. After plugging in the rack out handle in the VCB, rotate it anticlockwise. 5. VCB will slowly come out and be isolated once it reaches Test Position. “Test” lamp will start glowing. | -Do- |
| 7 | **To Rack In/ Energize the VCB**   1. Wear insulation hand gloves of appropriate rating. 2. Ensure that VCB is in OPEN position. 3. Take driving handle of the VCB and insert it through the hole on front VCB door. 4. After plugging in the rack out handle in the VCB, rotate it clockwise. 5. VCB will slowly move in, listen for a thud sound on rotating the handle when the VCB reaches service position. “Service” lamp will start glow. | -Do- |

|  |  |  |
| --- | --- | --- |
| RECORDS GENERATED : | 1) | SHIFT LOGBOOK SHEET |
|  | 2) | SHIFT HANDING OVER REGISTER |
|  |  |  |