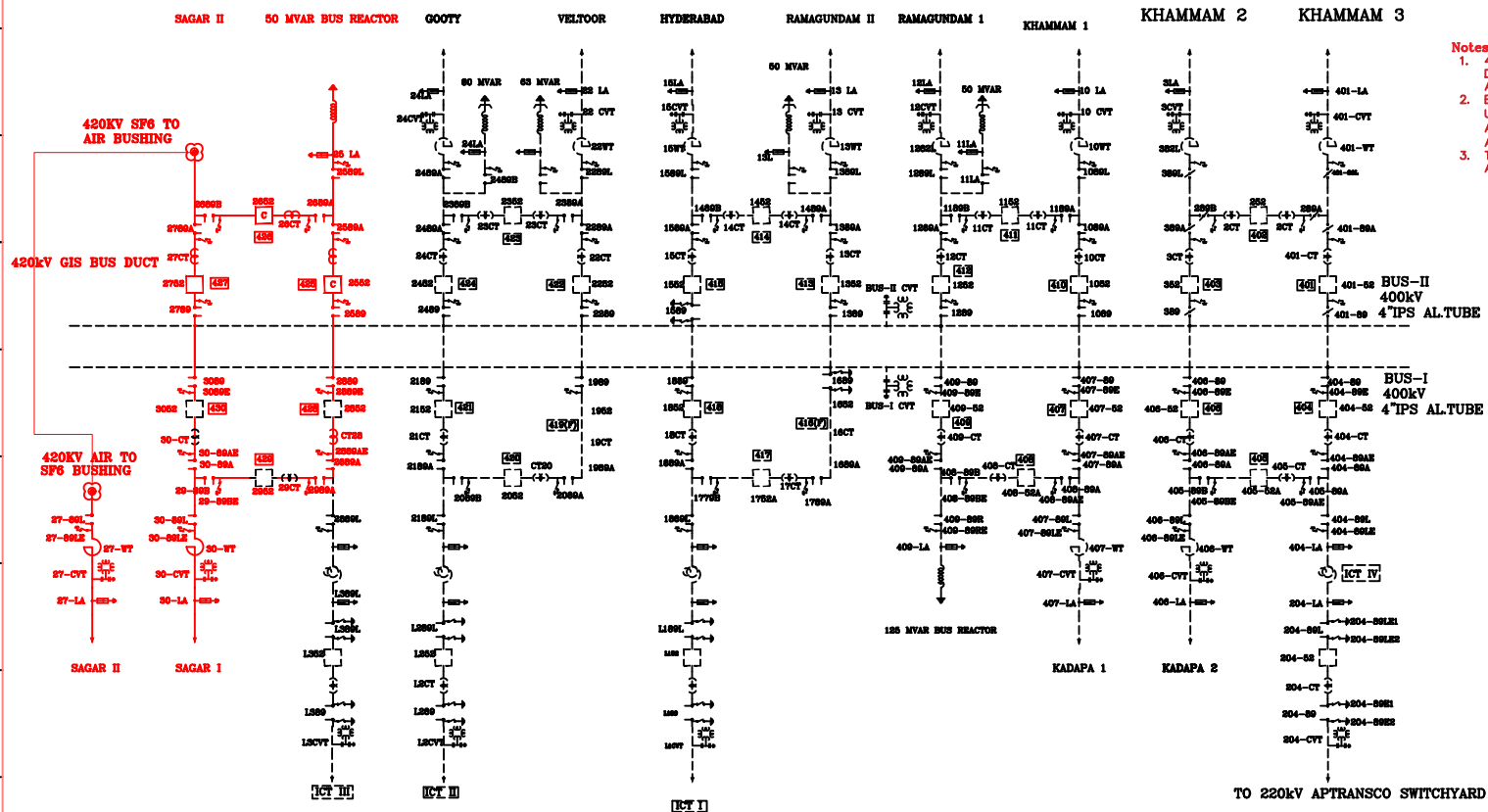




- Notes:**
1. 420kV, 50MVAR BUS REACTOR SHALL BE DISMANTLED FROM BAY NO. 430 AND RE-ERECTED AT BAY 425.
  2. EXISTING EQUIPMENT OF DIA 428-28-30 SHALL BE UPGRADED TO 3150A CAPACITY (EXCEPT BREAKERS AND CT (EXCEPT 428 R PHASE) WHICH ARE ALREADY UPGRADED).
  3. TWIN HTLS SHALL BE USED FOR DIA 425-26-27 AND 428-29-30.

| BILL OF QUANTITY - 400 kV |                                                                      |        |
|---------------------------|----------------------------------------------------------------------|--------|
| SL. ITEM                  | DESCRIPTION                                                          | SYMBOL |
| 1                         | CIRCUIT BREAKER WITHOUT CR<br>480kV, 3150A, 63kA-180C, 3-PH          |        |
| 1a                        | CIRCUIT BREAKER WITHOUT CR WITH CSD<br>480kV, 3150A, 63kA-180C, 3-PH |        |
| 2                         | ISOLATOR WITH ONE EARTH SWITCH<br>480kV, 3150A, 63kA-180C, 3-PH      |        |
| 3                         | CURRENT TRANSFORMER (1000/5A)<br>480kV, 3000/1A, 63kA-180C, 1-PH     |        |
| 4                         | SURGE ARRESTER<br>336 kV, 1-PH                                       |        |
| 5                         | 500MVA, 400/220kV ICT                                                |        |

**LEGEND:**

— PRESENT SCOPE

--- EXISTING/FUTURE

|                                                                                                                                                                 |       |       |                                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|------------------------------------------|
| FOR DPR PURPOSE ONLY                                                                                                                                            |       |       |                                          |
| <b>POWER GRID CORPORATION OF INDIA LIMITED</b><br>(A GOVERNMENT OF INDIA ENTERPRISE)                                                                            |       |       |                                          |
| PROJECT:<br>SHIFTING OF EXISTING 50 MVAR BUS REACTOR AT NAGARJUNASAGAR TO A NEW BAY FOR TERMINATION OF ONE CIRCUIT OF SAGAR-NAGARJUNASAGAR 400KV QUAD D/C LINE. |       |       |                                          |
| SUBSTATION: 400 KV NAGARJUNA SAGAR SS- EXTN.                                                                                                                    |       |       |                                          |
| TITLE: SINGLE LINE DIAGRAM                                                                                                                                      |       |       |                                          |
| DATE                                                                                                                                                            | DRAWN | SCALE | DRG.NO.                                  |
|                                                                                                                                                                 |       |       | ENGGR/TM KURNOL-V UPGRADE/RAICHUR/SLD/01 |
| REV.                                                                                                                                                            |       |       | 0                                        |