

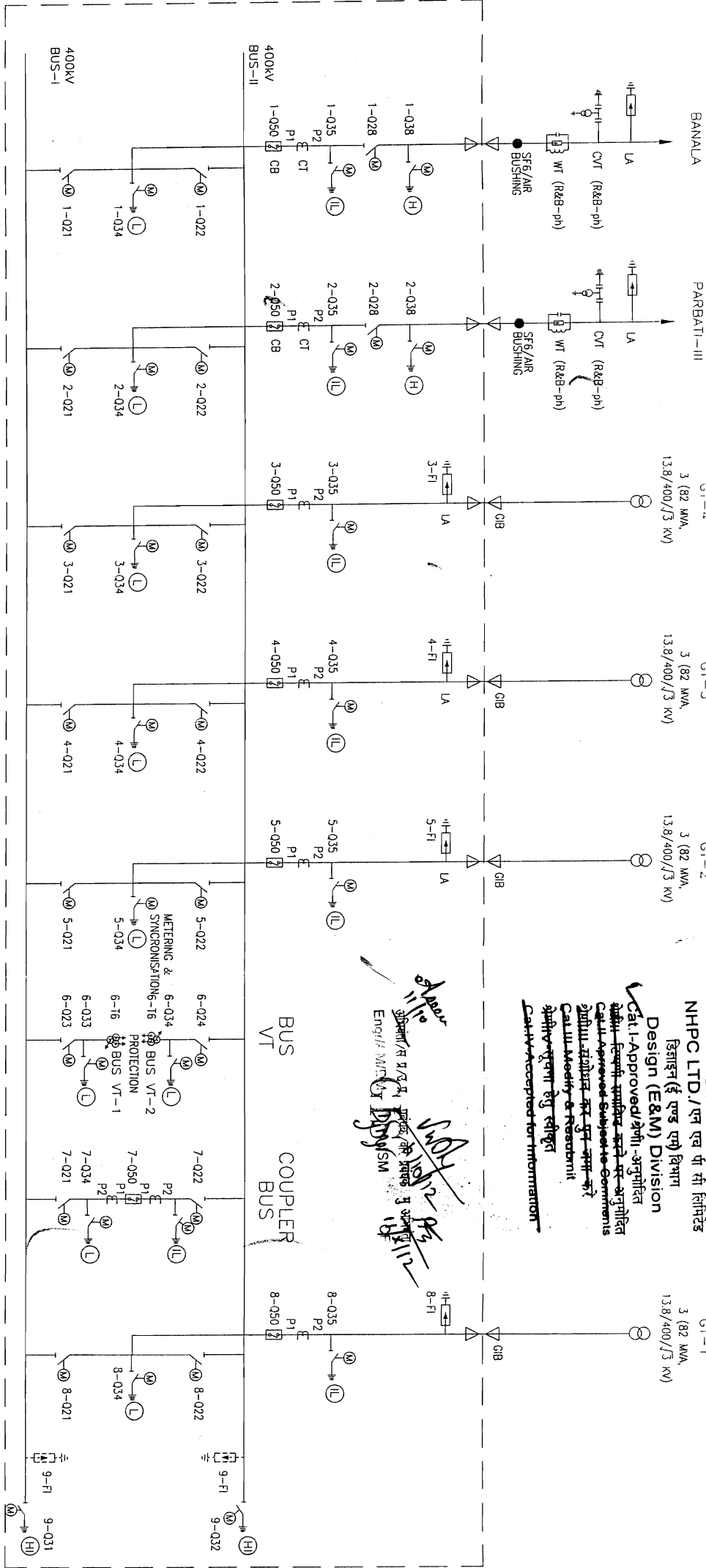
100-015-522-3-BL ON INIAVED

GIS B02:

| S.N. | EQUIPMENT                             | SYMBOL | QTY. |
|------|---------------------------------------|--------|------|
| 1.   | DISCONNECTOR                          |        | 54   |
| 2.   | MAINTENANCE EARTHING SWITCH           |        | 27   |
| 3.   | INSULATED MAINTENANCE EARTHING SWITCH |        | 21   |
| 4.   | FAST EARTHING SWITCH                  |        | 6    |
| 5.   | INSULATED FAST EARTHING SWITCH        |        | 6    |
| 6.   | CURRENT TRANSFORMER                   |        | 24   |
| 7.   | CIRCUIT BREAKER                       |        | 21   |
| 8.   | BUS VOLTAGE TRANSFORMER               |        | 06   |
| 9.   | LIGHTNING ARRESTOR                    |        | 18   |
| 10.  | GENERATOR TRANSFORMER                 |        | 12   |
| 11.  | SF6/AIR BUSHING                       |        | 6    |
| 12.  | GIB                                   |        | -    |

POT YARD B02:

| S.N. | EQUIPMENT                     | SYMBOL | QTY. |
|------|-------------------------------|--------|------|
| 1.   | CAPACITOR VOLTAGE TRANSFORMER |        | 04   |
| 2.   | WAVE TRAP                     |        | 04   |
| 3.   | LIGHTNING ARRESTOR            |        | 06   |



CURRENT TRANSFORMER

IEC 60 044-1 : 2003  
R = 50Hz I<sub>th</sub> = 63kA I<sub>S</sub> I<sub>dyn</sub> = 157.5kA I<sub>ct</sub> = 120% I<sub>ct</sub>

| BAYS        | REF    | CORES | RATIO            | CLASS | BURDEN                 | LE ≤ ... @ E <sub>h</sub> 2        |
|-------------|--------|-------|------------------|-------|------------------------|------------------------------------|
| FEEDER      | T5-CT1 | P1 P2 | 400-1600-3150/1A | PX    | 40RCT + 100 @ ALL TAPS | 30 mA @ E <sub>h</sub> 2 @ 3150/1A |
| GENERATOR   | T5-CT2 | P1 P2 | 400-1600-3150/1A | PX    | 40RCT + 100 @ ALL TAPS | 30 mA @ E <sub>h</sub> 2 @ 3150/1A |
| BUS COUPLER | T5-CT3 | P1 P2 | 400-1600-3150/1A | PX    | 40RCT + 100 @ ALL TAPS | 30 mA @ E <sub>h</sub> 2 @ 3150/1A |

ELECTRO-MAGNETIC VOLTAGE TRANSFORMER

IEC 60 044-2 : 2003

| DESCRIPTION | CORE | NORMAL VOLTAGE | VT RATIO           | CLASS | BURDEN | PURPOSE    |
|-------------|------|----------------|--------------------|-------|--------|------------|
| T6          | 1    | 400 kV         | 400 kV/3 / 110V/√3 | 0.2   | 200 VA | METERING   |
|             | 2    | 400 kV         | 400 kV/3 / 110V/√3 | 3P    | 200 VA | PROTECTION |
|             | 3    | 400 kV         | 400 kV/3 / 110V/√3 | 3P    | 200 VA | PROTECTION |

CAPACITOR VOLTAGE TRANSFORMER

IEC 60 186

| DESCRIPTION | CORE | NORMAL VOLTAGE | VT RATIO           | CLASS | BURDEN | PURPOSE  |
|-------------|------|----------------|--------------------|-------|--------|----------|
| CVT         | 1    | 400 kV         | 400 kV/3 / 110V/√3 | 0.2   | 100 VA | METERING |

NHPC LTD.  
(A Govt. of India Enterprise)

PARBATI HYDROELECTRIC PROJECT STAGE-II (H.P.) INDIA



TRANSMISSION PROJECTS DIVISION, BHOPAL

WIRENDR A MK CPO

TB-3-225-510-001