

LEGEND:-

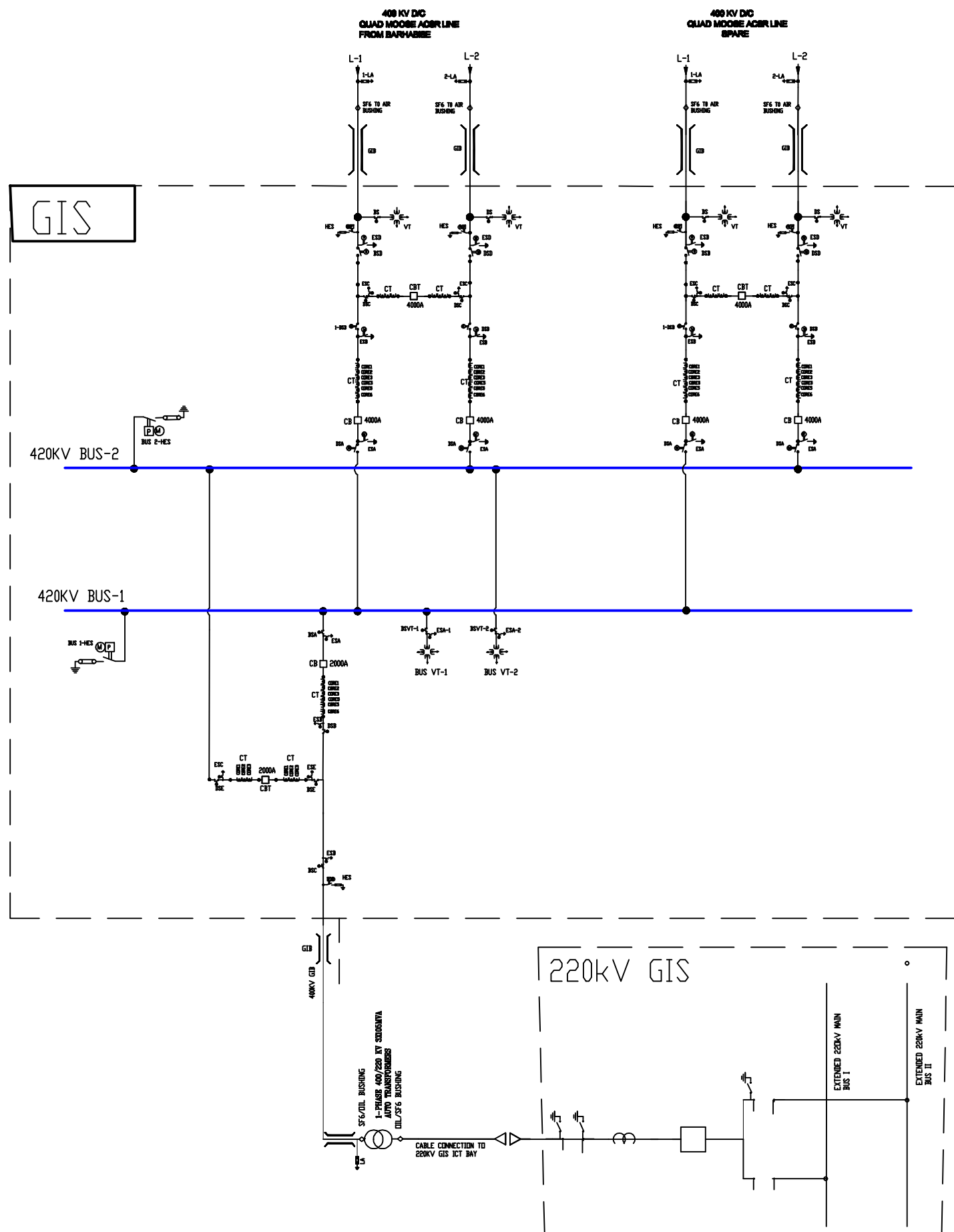
|  |                                       |
|--|---------------------------------------|
|  | GAS INSULATED BUS DUCT(GIB)           |
|  | HIGH SPEED GROUNDING SWITCH           |
|  | LIGHTENING ARRESTOR(LA)               |
|  | BUSHINGS(SF6/AIR,SF6/OIL AND OIL/AIR) |
|  | EARTHING SWITCH                       |
|  | GROUNDING SWITCH                      |
|  | DISCONNECTOR                          |
|  | AUTO TRANSFORMER                      |
|  | CURRENT TRANSFORMER                   |
|  | CIRCUIT BREAKER                       |
|  | CAPCITIVE VOLTAGE TRANSFORMER         |
|  | SHUNT REACTOR                         |
|  | VT                                    |

GENERAL NOTES

1. THIS DRAWING INDICATES A SINGLE LINE DIAGRAM FOR 420 KV GAS INSULATED SUBSTATION.
- 2.THIS DRAWING IS INDICATIVE ONLY. THE BIDDER SHALL SUBMIT DETAILED DRAWING INDICATING LOCATION OF CIRCUIT BREAKERS, CVT, LA, CTS, HIGH SPEED GROUNDING SWITCHES, DISCONNECTORS ETC. ALONGWITH THEIR TECHNICAL PARTICULARS.
3. CT PARAMETER ARE GIVEN IN THE TECHNICAL SPECIFICATION ARE MINIMUM REQUIREMENTS .HOWEVER, THE CT PARAMETERS WILL BE REVIEWED DURING DETAILED ENGINEERING.
4. 400kV & 220kV AUXILIARY BUS FOR CONNECTION OF SPARE ICT HAVE NOT BEEN SHOWN. SAME SHALL BE AS PER PSR AND SPECIFICATIONS.

FOR TENDER PURPOSE ONLY

|                                     |                     |              |
|-------------------------------------|---------------------|--------------|
| 1                                   |                     |              |
| REV                                 | DATE                | MODIFICATION |
|                                     |                     |              |
| NEPAL ELECTRICITY AUTHORITY         |                     |              |
| 400 KV GIS NEW BARHABISE SUBSTATION |                     |              |
| SINGLE LINE DIAGRAM                 |                     |              |
| DRAWING No.                         | BARHABISE-GIS-OLD-1 |              |



# LEGEND:-

|  |                                       |
|--|---------------------------------------|
|  | GAS INSULATED BUS DUCT(GIB)           |
|  | HIGH SPEED GROUNDING SWITCH           |
|  | LIGHTNING ARRESTOR(LA)                |
|  | BUSHINGS(SF6/AIR,SF6/OIL AND OIL/AIR) |
|  | EARTHING SWITCH                       |
|  | GROUNDING SWITCH                      |
|  | DISCONNECTER                          |
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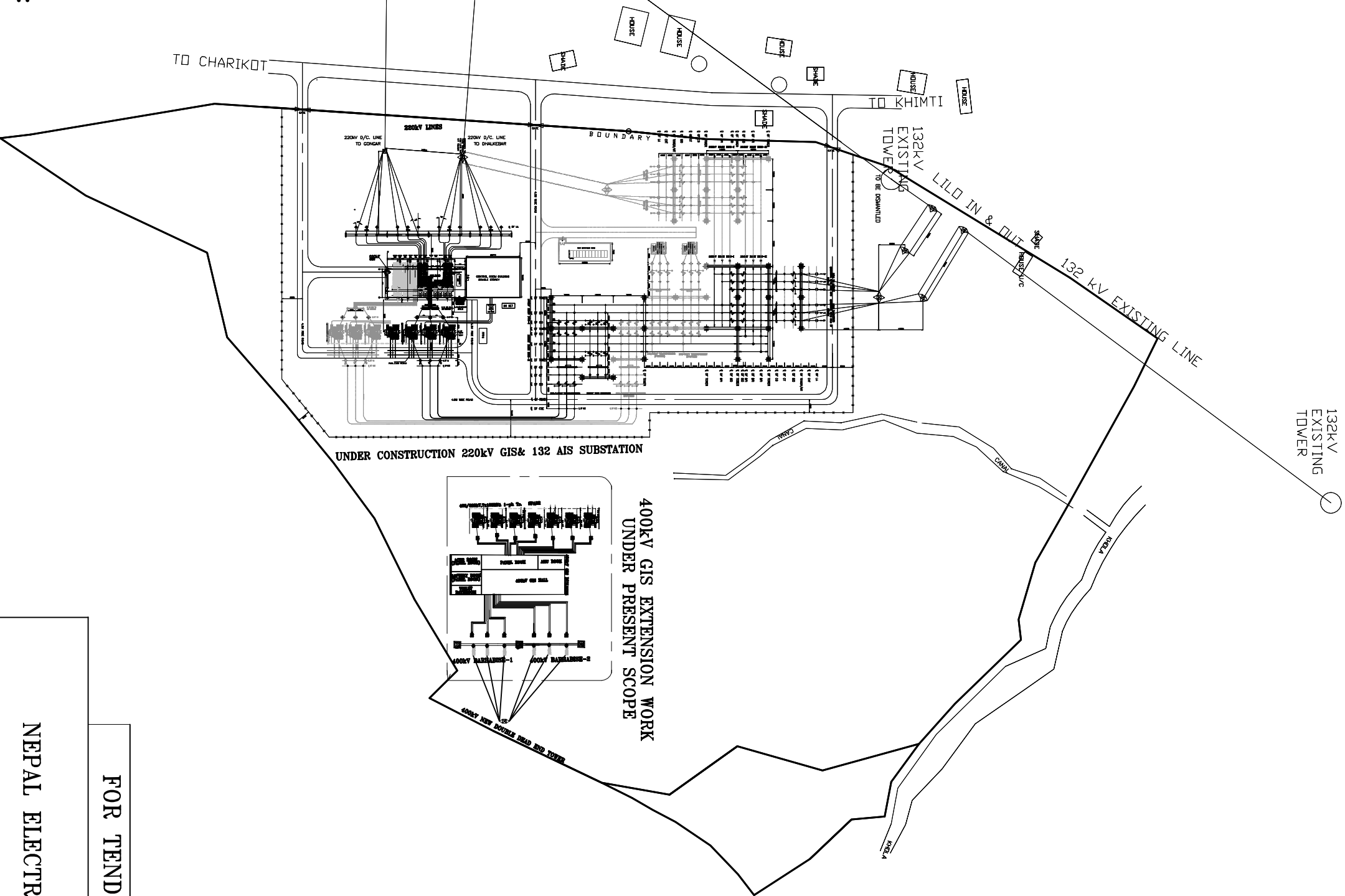
3. CT PARAMETER ARE GIVEN IN THE TECHNICAL SPECIFICATION ARE MINIMUM REQUIREMENTS .HOWEVER, THE CT PARAMETERS WILL BE REVIEWED DURING DETAILED ENGINEERING.

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## FOR TENDER PURPOSE ONLY

| 1   | REV | DATE                | MODIFICATION |
|---|-----|---------------------|--------------|
| <b>NEPAL ELECTRICITY AUTHORITY</b>  |     |                     |              |
| <b>400 KV GIS NEW LAPSIPHEDI SUBSTATION</b><br><b>SINGLE LINE DIAGRAM</b> |     |                     |              |
| DRAWING No.   |     | BARHABISE-GIS-OLD-1 |              |





NOTE:

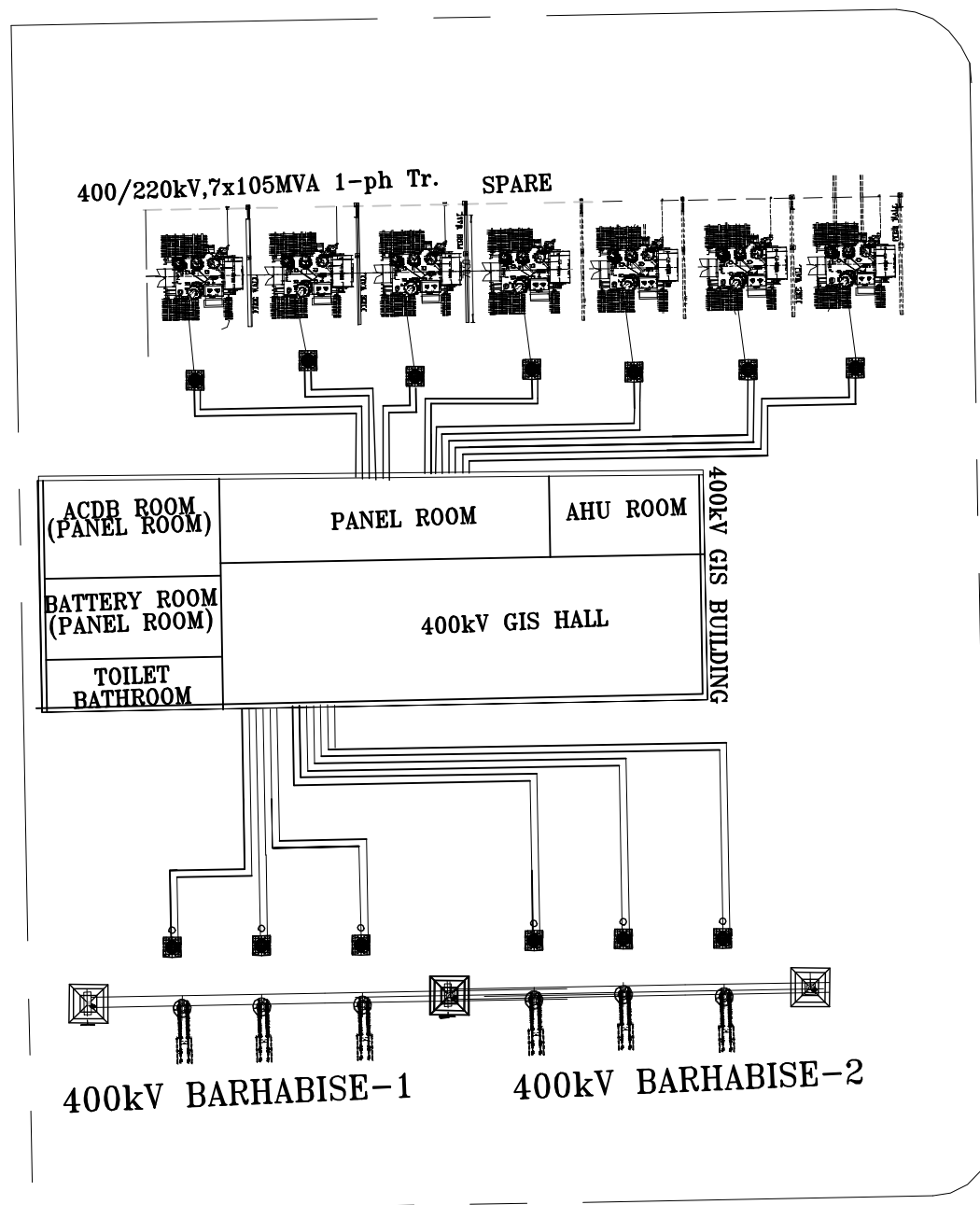
1. TAKE OFF OF 400kV LINE IS TENTATIVE,SAME SHALL BE FINALISED DURING DETAIL ENGINEERING
2. EHV CABLE, 220kV BUS DUCT IS NOT SHOWN,SAME AS PER TECHNICAL SPECIFICATIONS
- 3.CONNECTION OF 220kV SIDE OF 400/220kV TRANS. TO GIS 220kV LINE BAYS HAS NOT BEEN SHOWN,SAME SHALL BE AS PER PSR AND SPECIFICATIONS
4. DRAWING IS NOT IN SCALE

FOR TENDER PURPOSE ONLY

NEPAL ELECTRICITY AUTHORITY

ELECTRICAL LAYOUT PLAN OF  
400kV NEW KHMITI SUBSTATION

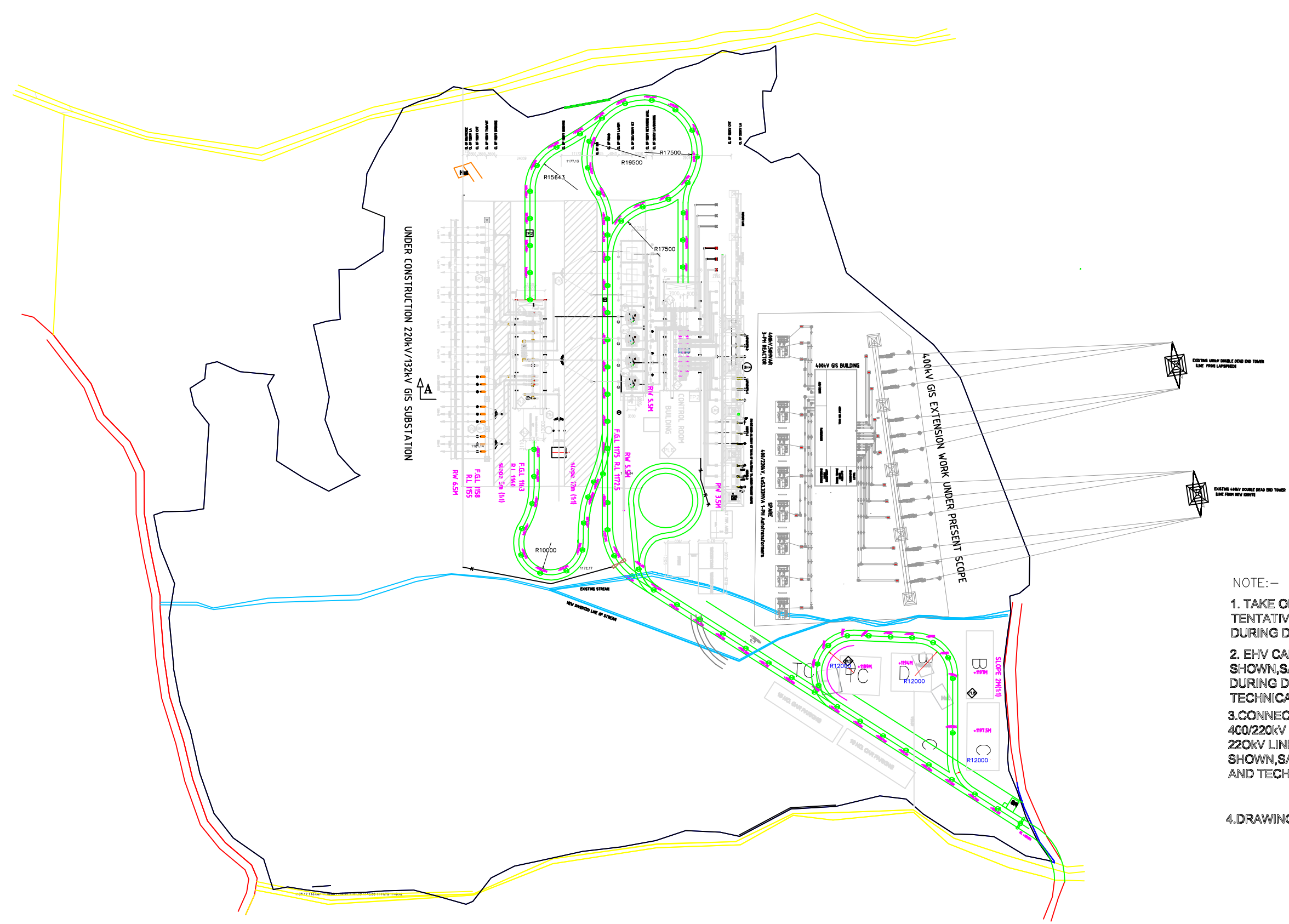
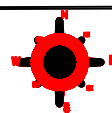
DRAWING NO.NEW KHMITI-GIS-LAYOUT-02(A)



**NOTE:**

1. EHV CABLE, 220kV BUS DUCT IS NOT SHOWN, SAME AS PER TECHNICAL SPECIFICATIONS
2. CONNECTION OF 220kV SIDE OF 400/220kV TRANS. TO GIS 220kV LINE BAYS HAS NOT BEEN SHOWN, SAME SHALL BE AS PER PSR AND SPECIFICATIONS
3. DRAWING IS NOT IN SCALE

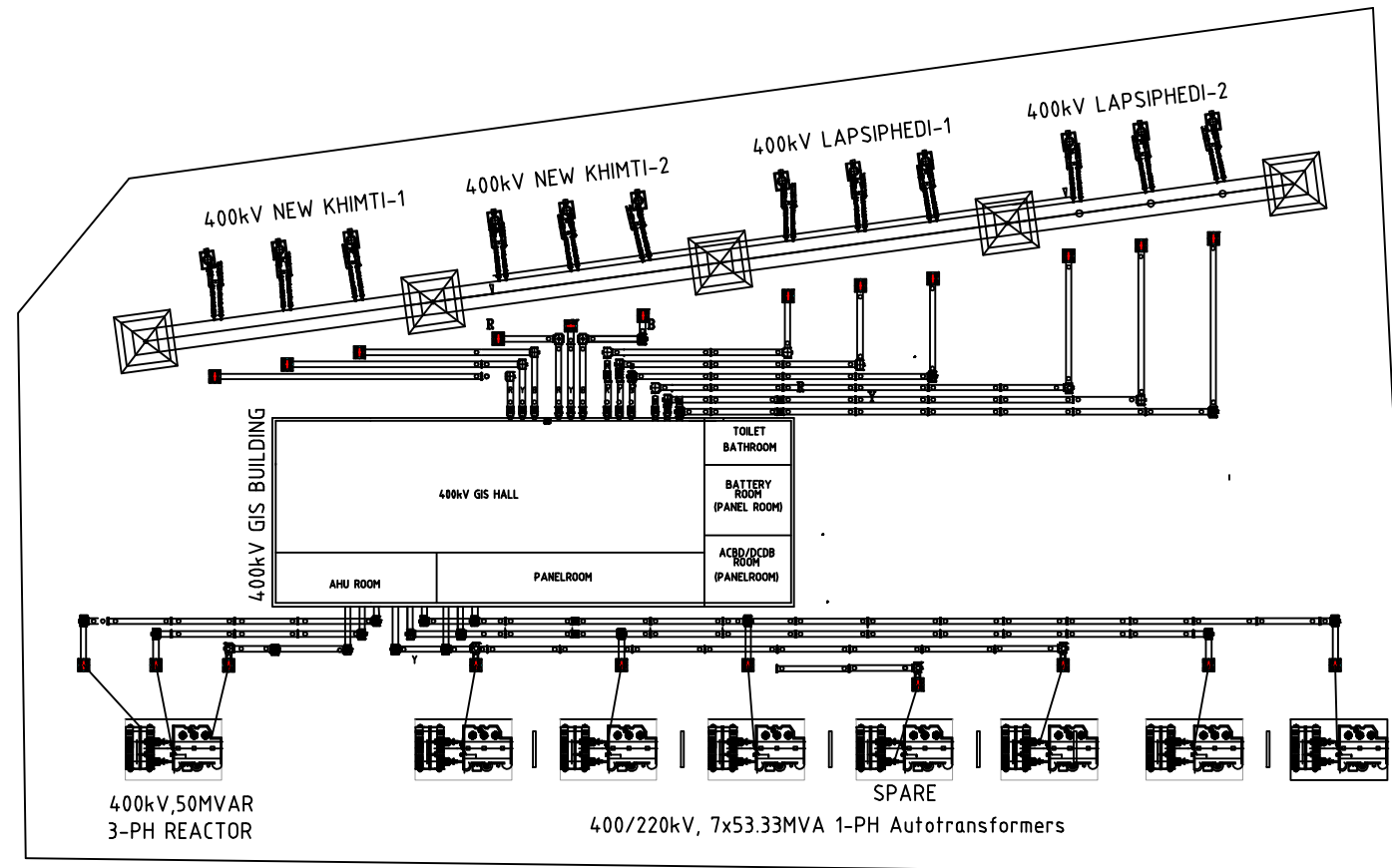
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| FOR TENDER PURPOSE ONLY                                  |
| NEPAL ELECTRICITY AUTHORITY                              |
| ELECTRICAL LAYOUT PLAN OF<br>400kV NEW KHIMTI SUBSTATION |
| DRAWING NO. NEW KHIMTI-GIS-LAYOUT-02(B)                  |



- NOTE:—
1. TAKE OFF OF 400kV LINE IS TENTATIVE, SAME SHALL BE FINALIZED DURING DETAIL ENGINEERING
  2. EHV CABLE, 220kV BUS DUCT IS NOT SHOWN, SAME SHALL BE FINALIZED DURING DETAIL ENGINEERING AS PER TECHNICAL SPECIFICATIONS
  3. CONNECTION OF 220kV SIDE OF 400/220kV TRANSFORMER TO GIS 220kV LINE BAYS HAS NOT BEEN SHOWN, SAME SHALL BE AS PER PSR AND TECHNICAL SPECIFICATIONS
  4. DRAWING IS NOT IN SCALE

FOR TENDER PURPOSE ONLY

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|---|
| NEPAL ELECTRICITY AUTHORITY                             |
| ELECTRICAL LAYOUT PLAN OF 400kV<br>BARHABISE SUBSTATION |
| DRAWING NO.: BARHABISE-GIS-LAYOUT-2(A)                  |



NOTE:—

1. EHV CABLE, 220kV BUS DUCT IS NOT SHOWN, SAME SHALL BE FINALIZED DURING DETAIL ENGINEERING AS PER TECHNICAL SPECIFICATIONS

2. CONNECTION OF 220kV SIDE OF 400/220kV TRANSFORMER TO 220kV GIS LINE BAYS HAS NOT BEEN SHOWN, SAME SHALL BE AS PER PSR AND TECHNICAL SPECIFICATIONS

3. DRAWING IS NOT IN SCALE

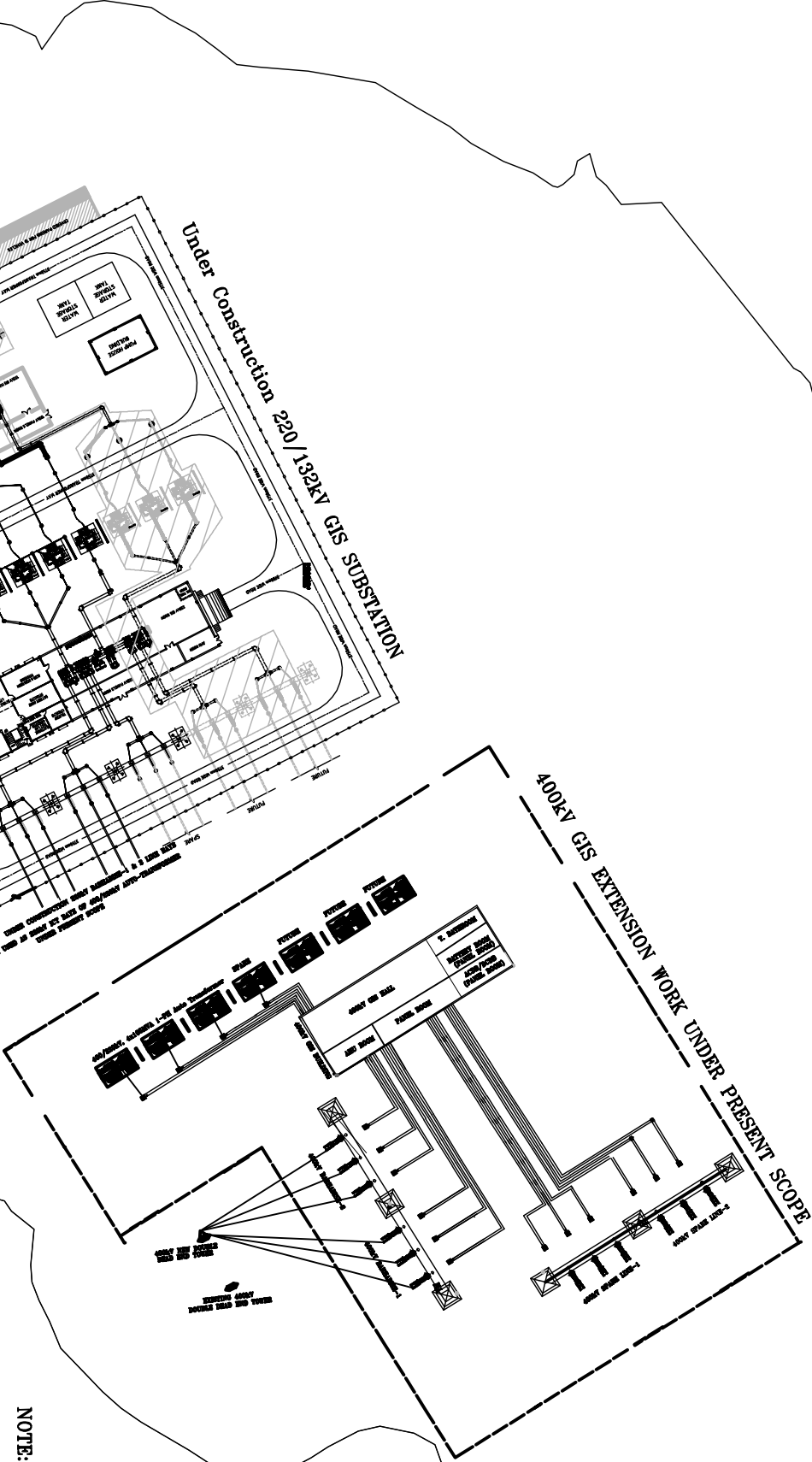
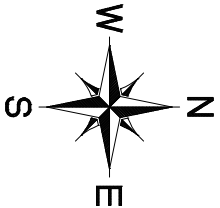
FOR TENDER PURPOSE ONLY

NEPAL ELECTRICITY AUTHORITY

ELECTRICAL LAYOUT PLAN OF 400kV  
BARHABISE SUBSTATION

DRAWING NO.: BARHABISE—GIS—LAYOUT—2(B)



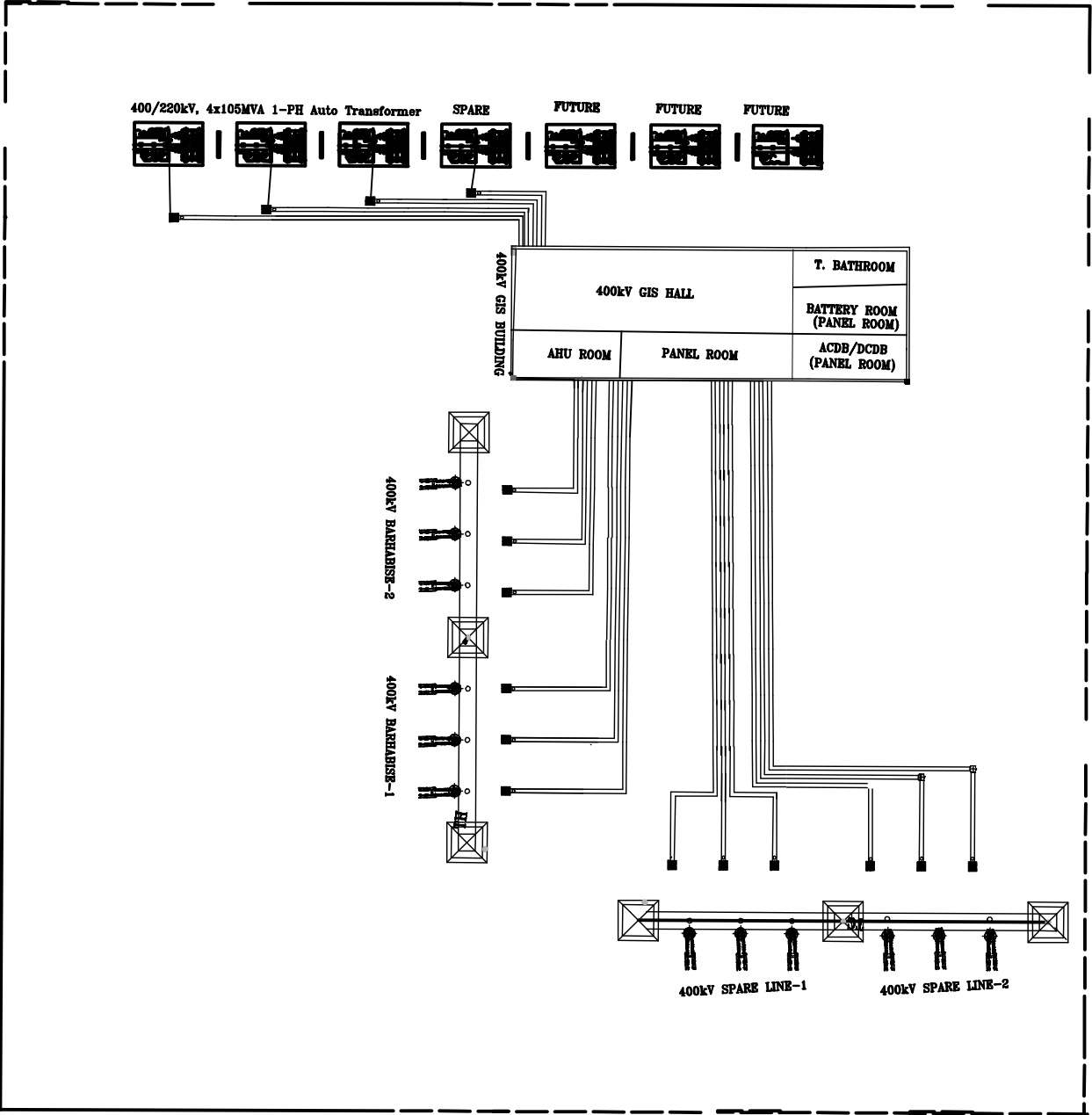


NOTE:

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2. EHV CABLE, 220kV BUS DUCT IS NOT SHOWN.SAME SHALL BE FINALISED DURING DETAIL ENGINEERING AS PER TECHNICAL SPECIFICATIONS
- 3.CONNECTION OF 220kV SIDE OF 400/220kV TRANSFORMER TO GIS 220kV LINE BAYS HAS NOT BEEN SHOWN, SAME SHALL BE AS PER PSR AND SPECIFICATIONS
4. DRAWING IS NOT IN SCALE

12' BARTHA ROAD TO JHARKHAPALMA  
8' BARTHA ROAD TO JOSTHAPALMA  
8' BARTHA ROAD TO JHARKHAPALMA

|  |
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| FOR TENDER PURPOSE ONLY                  |
| NEPAL ELECTRICITY AUTHORITY              |
| ELECTRICAL LAYOUT PLAN OF                |
| 400kV LAPSIPHEDI SUBSTATION              |
| DRAWING NO.: LAPSIPHEDI-GIS-LAYOUT-02(A) |



NOTE:

1. EHV CABLE, 220kv BUS DUCT IS NOT SHOWN,SAME SHALL BE FINALISED DURING DETAIL ENGINEERING AS PER TECHNICAL SPECIFICATIONS
- 2.CONNECTION OF 220kv SIDE OF 400/220kv TRANSFORMER TO GIS 220kv LINE BAYS HAS NOT BEEN SHOWN, SAME SHALL BE AS PER PSR AND SPECIFICATIONS
3. DRAWING IS NOT IN SCALE

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|---|
| FOR TENDER PURPOSE ONLY                                   |
| NEPAL ELECTRICITY AUTHORITY                               |
| ELECTRICAL LAYOUT PLAN OF<br>400kv LAPSI PHEDI SUBSTATION |
| DRAWING NO.: LAPSI PHEDI-GIS-LAYOUT-02(B)                 |