X=266556.255m E
Y=2450376.296m N

X=266680.024m E
Y=2450275.592m N

X=266467.823m E
Y=2450280.557m N

X=266589.341m E
Y=2450183.896m N

℄ OF PROPERTY LINE | ℄ OF DYKE | ℄ OF 4.5M ROAD | ℄ OF 230kV TOWER/LA | ℄ OF 230kV GIB | ℄ OF 4.5M ROAD | ℄ OF 230kV GIB | ℄ OF 230kV TOWER/LA | ℄ OF 6M ROAD | ℄ OF 230/33kV TRAFO. | ℄ OF 230kV TOWER | ℄ OF FUTURE FENCH | ℄ OF DYKE | ℄ OF PROPERTY LINE

PROPERTY LINE | DYKE | BOUNDARY WALL | 450MM WIDE SURFACE DRAIN

FUTURE EXPANSION SPACE

WZPDCL PROPOSED 33kV GIS BUILDING 30m X 10m

PROPOSED AREA

NUTAN BIDYUT 1

NUTAN BIDYUT 2

FUTURE LINE 3

FUTURE LINE 4

TRAFO.- 1

TRAFO.- 2

230kV GIS & CONTROL BUILDING 3 STORIED 40mX15.5m

FIRE PROTECTION SYSTEM

PROVISION FOR FUTURE EXTENSION

OUTDOOR STORE (RCC) 25mX11m

Dormitory Building

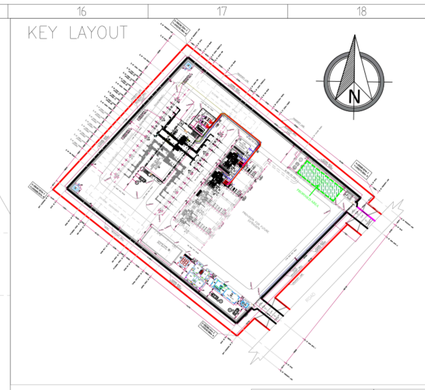
Ansar Barrack

Guard Room

4.5M WIDE RCC ROAD | 6M WIDE RCC ROAD | 3M WIDE RCC ROAD

MAIN ENTRANCE-1 | MAIN ENTRANCE-2 | CULVERT | APPROACH ROAD 6M WIDE

KEY LAYOUT



LEGEND:–

a– 230kV GAS INSULATED SWITCHGEAR (2 LINE, 2 TRFAO, 1 BUS COUP., 1 BUS PT)
b– 230kV GIS & CONTROL BUILDING (1 NOS)
c– 33/.415kV AUXILIARY TRAFO BAY (2 SETS)
d– 250kVA DIESEL GENERATOR (1 SET)
e– 230/33kV 140MVA TRANSFORMER (2 NOS)
f– WATER SPRAY TYPE FIRE PROTECTION SYSTEM (1 SET)
g– 230kV GANTRY COLUMN (9 NOS)
h– 230kV GANTRY BEAM (6 NOS)
i– PUMP HOUSE (3 NOS)
j– DORMITORY BUILDING (1 NOS)
k– ANSAR BARRACK (1 NOS)
l– OUTDOOR STORE (25X11m RCC, 1 NOS)
m– CAR PORT (1 NOS)
n– GUARD HOUSE (1 NOS)
o– SENTRY POST (2 NOS)
p– SEPTIC TANK AND SOAKPIT (3 NOS)

DESCRIPTION	MARKING
PROPERTY LINE	
EXISTING BOUNDARY WALL	
SURFACE DRAINAGE	
NEW SCOPE PROPOSED ROAD	
FUTURE SCOPE OF WORK	
PROPOSED CABLE TRENCH	
PROPOSED BURIED PVC PIPE	
PROPOSED 33kV XLPE POWER CABLE	
PROPOSED 0.415kV XLPE POWER CABLE	
PROPOSED CONTROL & INSTRUMENTATION CABLE	
PROPOSED WZPDCL GIS Control room area	

REFERENCE DRAWING:–

1. Approved Layout of PGCB 230/33kV GIS Substation at Charfasson; Drawing no: PGCB-ADB-CHAR-ELD-0103; Rev: 1 ; Date: 21/08/2024.
2. Approved 140MVA Transformer Outline Drawing SFZ-J-140000/230; Drawing No: 1BB.714.2260.1WK; Rev: B; Date: 22/07/2024.
3. Approved 230kV GIS Plan Drawing; Drawing No: (1) SHVS-705175-P-V021-C; Rev: C; Date: 09/08/2024.

West Zone Power Distribution Company Ltd.

CONTRACTOR:

TITLE: Proposed WZPDCL GIS Control room area at Charfasson 230/33 kV Grid S/S

DRAWING NO:

SCALE	1:300	REV.	1	SHEET NO.	01/03