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FIRST ANGLE PROJECTION (ALL DIMENSIONS ARE IN MM.)

DRAWING No. TB-343-316-127

FROM 33kV SWGR POLE -4
(FROM S3.P4.MVS)

FROM 33kV SWGR POLE -3
(FROM S3.P3.MVS)

S3.P4.AST.4A

S3.P4.AST.4B

S3.P4.CNG

87,64 RELAY MOUNTED IN MV SWGR. PANEL

2000 kVA
33kV/0.433 kV
Dyn1
uk = 6.25%

1500kVA CNG SET

415 AMF PANEL FOR CNG
3X2500/1A CLASS-0.5 CT

415V BUS DUCT

S3.P2.LVS.PCC

415V A.C. DISTRIBUTION BOARD-4
3150A, 50KA FOR 1 SEC., 415 V, 50 Hz, 3PH. 4 wire

POWER CENTER C
POLE 4
NON ESSENTIAL LOADS

POWER CENTER AB
POLE 4
ESSENTIAL+EMERGENCY LOADS

1A 1B 1C

3200/1A PS CLASS KPV = 40Rct + 400V Im < 30 mA AT KPV / 4

TO REF PROTECTION (64)

TO OVERALL DIFFERENTIAL PROTECTION (87)

3200/1A CL-0.5

3200/1A CL-5P20

0-4000A

3150A ACB-1

3150A ACB-2

3150A ACB-3

2500A ACB-3

CL-0.5, 50VA

3X2500/1A CLASS 5P20 15VA

0-500V

0-4000A

SPARE

SPARE CONV. TER POLE-4

HEATERS/OUTLETS DC HALL-4 (SUB ACDB)

HEATERS/OUTLETS VALVE HALL-4 (SUB ACDB)

MCC FOR LIGHTING & HEATING OF CR PANELS IN ADDL. SERVICE BUILDING-2 (SUB ACDB)

MCC FOR LIGHTING & HEATING OF CR PANELS IN MV SWGR ROOM POLE-4

OIL FILTRATION RECEPTACLE-2 CONV. TR.-P4

OIL FILTRATION RECEPTACLE-1 CONV. TR.-P4

OUTDOOR SWITCHYARD LIGHTING

MCC FOR FIRE FIGHTING

VH VENT MCC POLE-4

DC HALL VENT MCC POLE-4

CONV. TER-R POLE-4 (Δ)

CONV. TER-Y POLE-4 (Δ)

CONV. TER-B POLE-4 (Δ)

CONV. TER-R POLE-4 (Y)

CONV. TER-Y POLE-4 (Y)

CONV. TER-B POLE-4 (Y)

VALVE COOLING PUMP-1

VALVE COOLING PUMP-2

VALVE COOLING MCC POLE-4

STATION UPS-4

UMD POLE-4

MCC FOR AIR CONDITIONING ADDL. SERVICE BUILDING-2

INDOOR LIGHTING FOR ADDL. SERVICE BUILDING-2

220V CHARGER-3 POLE-4

220V CHARGER-2 POLE-4

220V CHARGER-3 POLE-4

MCC FOR WATER SUPPLY PUMP LOAD

CNG SYSTEM DB POLE-4

FIRE FIGHTING MCC

EMERGENCY LIGHTING FOR OUTDOOR SWITCHYARD

MK-1 MK-2 MK-3 MK-4 MK-5 MK-6 MK-7 MK-35 MK-36 MK-37 DC MK-4

COMPUTER DRG. PATH NAME :

REF. DRG. No.	
SIGN. & DATE	
INVENTORY No.	

REV.	DATE	ALTERED / CHECKED / APPROVED	REV.	DATE	ALTERED / CHECKED / APPROVED	REV.	DATE	ALTERED / CHECKED / APPROVED	REV.	DATE	ALTERED / CHECKED / APPROVED	REV.	DATE	ALTERED / CHECKED / APPROVED
ZONE			ZONE			ZONE			ZONE			ZONE		

NOA NO.	C-61901R-S056-8/NOA-II/3660 DATED 21.3.2011 FOR SUPPLIES & C-61901R-S056-8/NOA-IV/3662 DATED 21.3.2011 FOR SERVICES
ADDITIONAL INFORMATION W.O.No.	80014
STATUS OF DRAWING	
DISTRIBUTION OF PRINTS	

ग्राहक/परियोजना का नाम NAME OF CUSTOMER/PROJECT: POWER GRID CORPORATION OF INDIA LIMITED
+/- 800 kV, 6000 MW HVDC MULTI TERMINAL SYSTEM
PACKAGE ASSOCIATED WITH NE/ER-NR/WR INTERCONNECTOR-I

भारत हेवी इलेक्ट्रिकल्स लिमिटेड
ट्रांसमिशन परियोजना विभाग
BHARAT HEAVY ELECTRICALS LTD.
TRANSMISSION PROJECTS DIVISION

	नाम /NAME	हस्ता./SIGN.	दि./DATE
बनाया DRAWN	RK	-SD-	21.12.11
जाँचा CHECKED	BA/SKS	-SD-	21.12.11
स्वीकृत APPROVED	AS	-SD-	21.12.11

विभाग DEPT.	अनुपात / SCALE	कार्ड कोड CARD CODE
कोड CODE.	NTS	

शीर्षक/TITLE: SINGLE LINE DIAGRAM 415V AUX. AC SYSTEM

ड्राईंग क्र./DRAWING NO. TB-343-316-127 पुनः/REV. 01

पृष्ठ क्र./SHEET No. 05 अगला पृष्ठ /NEXT SHEET 06