

FIRST ANGLE PROJECTION (ALL DIMENSIONS ARE IN MM.)

DRAWING No. TB 1 304 316 005

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N=47.5

W=216.5
N=47.5

W=221.5
S=16.5

W=216.5
S=296.50

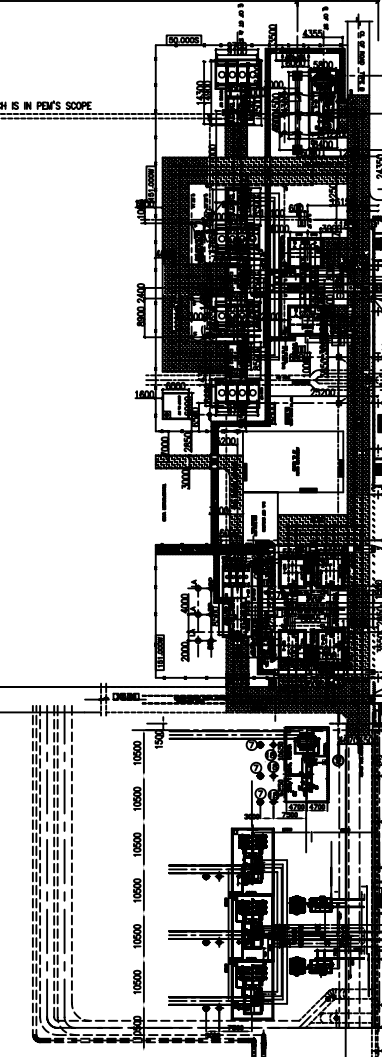
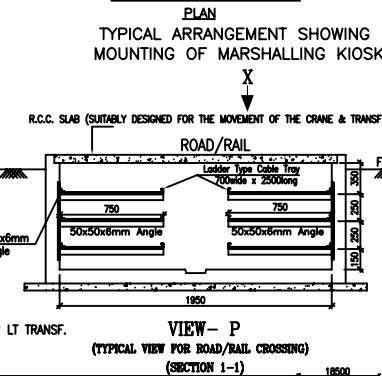
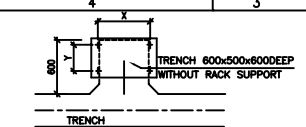
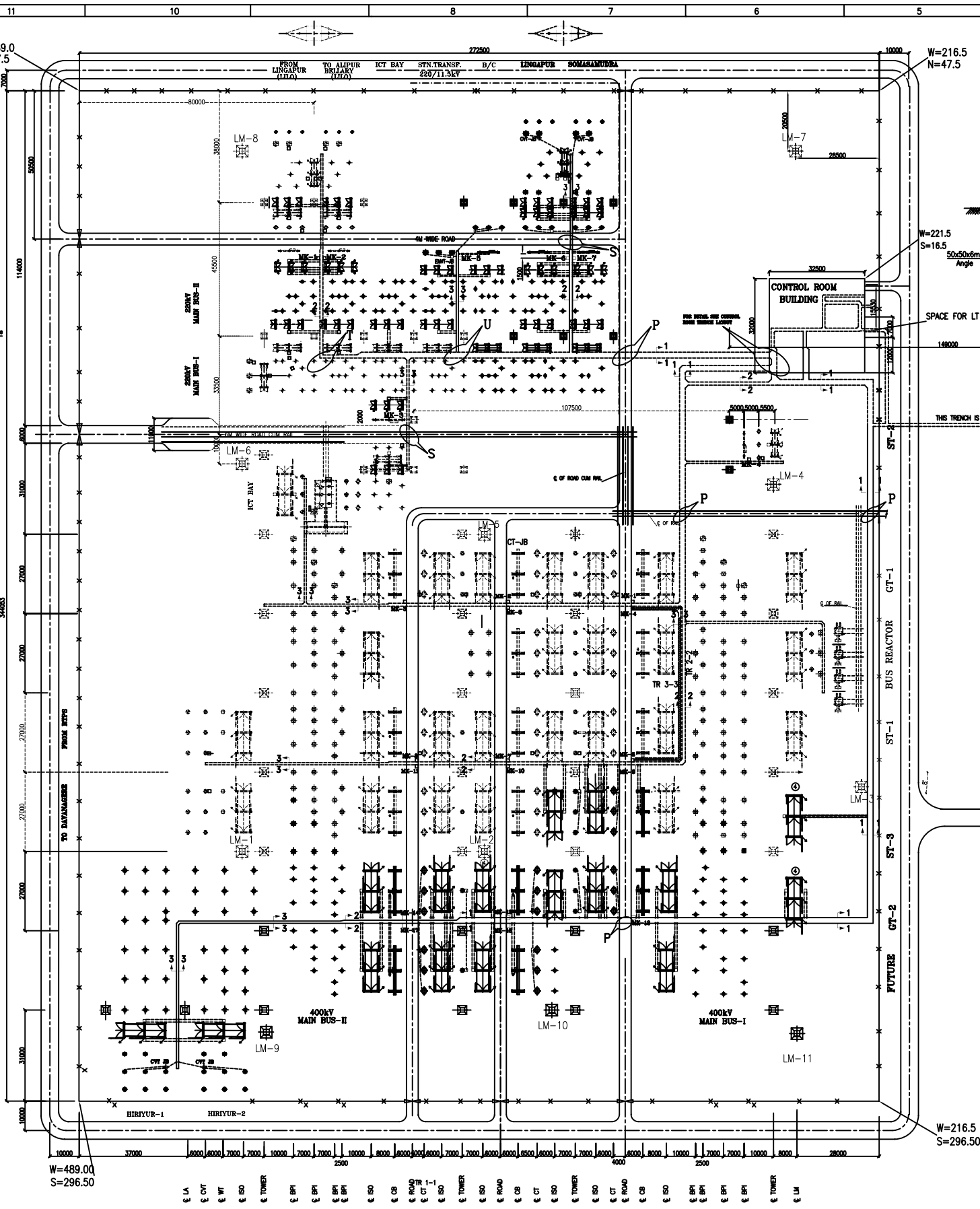
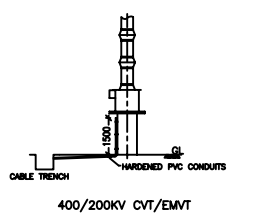
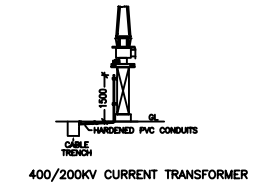
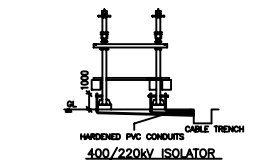
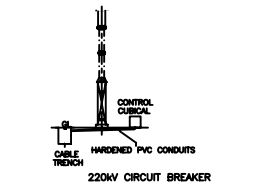
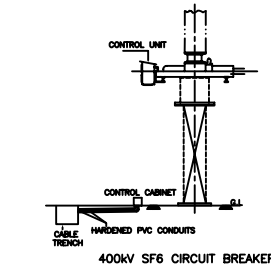
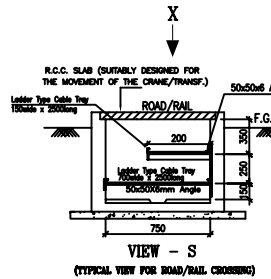
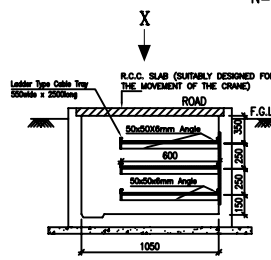
W=489.00
S=296.50

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COMPUTER DRG. FILE NAME :
E:\VANT\BELLARY\TRENCH LAYOUT

REF. DRG. No.
SIGN. & DATE

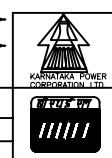
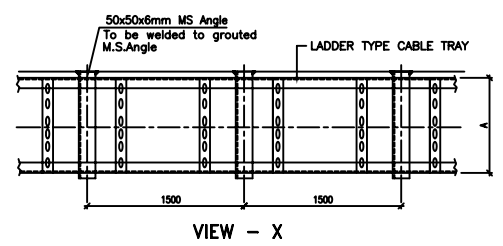
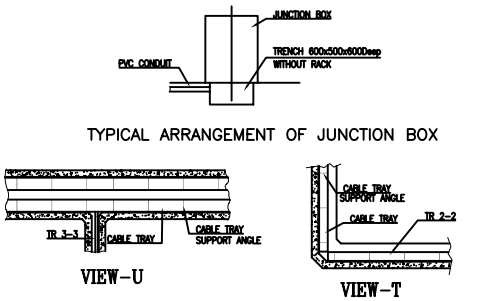
INVENTORY No.



NOTES:

- INDICATES CABLES LAID IN HARDENED PVC CONDUITS OF 100mm & 65mm OUTER DIA AT DEPTH OF 300mm (MAX.). CABLE FROM EQUIPMENT TO CABLE TRENCH SHALL RUN IN PVC PIPES.
- MARKED THUS (O) INDICATES CABLE ENTRY/EXIT FROM EQUIPMENT.
- CABLES SHALL BE LAID IN THREE LAYERS AND CABLE SHALL BE SECURELY FIXED TO THE SUPPORTS WITH CLAMPS.
- INSERTS SHALL BE EMBEDDED AT EVERY 1.5M INTERVAL FOR CABLE TRAY SUPPORTS IN OUTDOOR CABLE TRENCH.
- 600x500x6000 OPENING WITHOUT ANY RACK SHALL BE PROVIDED BELOW MK & JB FOR CABLE ENTRY.
- AUXILIARY POWER CABLES SHALL BE LAID IN TOP TIERS AND CONTROL CABLES IN BOTTOM TIERS.
- PVC CONDUITS MUST BE SECURELY FIXED AT BOTH ENDS, EITHER EMBEDDED IN CONCRETE OR PROPERLY CLAMPED.
- AFTER LAYING THE CABLES THE ENDS OF PIPES MUST BE FULLY SEALED TO PREVENT INGRESS OF WATER INSIDE THE PIPE.
- CONTROL CABLES & POWER CABLES SHALL BE LAID IN SEPARATE PVC CONDUITS.
- ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED.
- EARTHING CONDUCTOR SHALL BE WELDED ON THE CABLE SUPPORTING STRUCTURE BEFORE INSTALLATION OF CABLE.
- CABLE TRENCH SHALL BE PROVIDED ON MARSHALLING BOX SIDE OF EQUIPMENT.
- THE PURPOSE OF TRENCH LAYOUT DRAWING IS FOR USE AS FOLLOWS:
 - TO BE USED AS CIVIL INPUT FOR CABLE TRENCHES.
 - FOR ERECTION OF CABLE RACKS AT SITE.
 - FOR CABLE LAYING AND ROUTING AT SITE.
- ALL PVC CONDUITS MUST BE SLOPED TOWARDS THE CABLE TRENCH TO PREVENT ACCUMULATION OF WATER INSIDE THE PIPES.
- CIVIL DETAILS OF TRENCH WITH LOCATION OF EQUIPMENT FOUNDATIONS WILL BE SHOWN IN A SEPARATE CIVIL DRAWING.
- HORIZONTAL BENDS IN CONDUITS TO BE AVOIDED. CONDUITS TO BE RUN STRAIGHT FROM EQUIPMENT TO TRENCH/MK/JB.
- MINIMUM 40% VOID SHALL BE LEFT OUT IN THE PIPES.
- BOTH ENDS OF PVC CONDUITS (CONNECTING MAIN CABLE TRENCH AND EQUIPMENT JB) SHALL BE CLOSED BY PLASTERING.
- PULL BOXES (400x400x400) SHALL BE USED AT THE FREE END TURNING AND Ø15M IF PIPE LENGTH EXCEEDS 15M.
- DETAILS OF LADDER TYPE CABLE TRAY SHALL BE FURNISHED SEPARATELY.

EXISTING/ PEW'S SCOPE
PRESENT SCOPE



KARNATAKA POWER CORPORATION LIMITED
BELLARY THERMAL POWER STATION
STAGE-II (1X500MW)
भारत भारी इलेक्ट्रिकल्स लिमिटेड
दिल्ली
BHARAT HEAVY ELECTRICALS LTD.
TRANSMISSION PROJECTS DIVISION
NEW DELHI

ADDITIONAL INFORMATION
W.D. NO. 87009
STATUS CONTRACT
DISTRIBUTION
KPCL - 7 Copies
TBEM - 1 Copy

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TITLE
TRENCH LAYOUT OF 400/220kV SWITCHYARD
DEPT. 422
SCALE 1 : 800
DRAWING No. TB 1 304 316 005
SHEET OF REV. 00

SIZE-A1
PLOT ON W/P
PAN THICK.
ALL 0.20
8,9 0.09
141 0.35
6 0.40