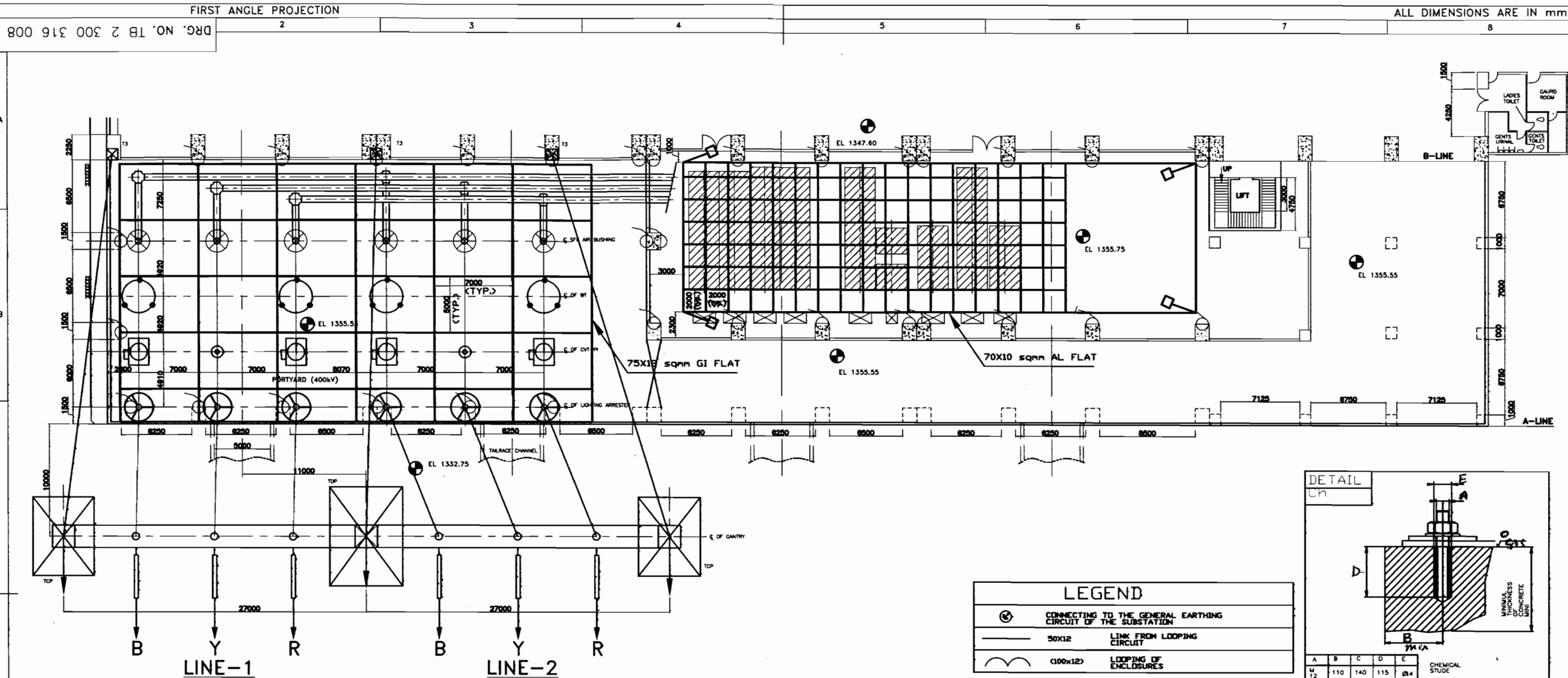




400 KV GIS FLOOR EARTHMAT LAYOUT (INSIDE FLOOR)

REF:

- 1) ALSTOM DRWG NO. PBT II-GIS-01-GA-001-09 (LAYOUT)
- 2) ALSTOM DRWG NO. PBT II-GIS-01-GA-004-07 (CIVIL WORK GUIDE DRAWING P981)
- 3) ALSTOM DRWG NO. PBT II-GIS-01-GA-005-01 (T155 EARTHING CIRCUIT)
- 4) ALSTOM DOC. NO. H47030304E/4 (GIS EARTHING SYSTEM, ALTERNATIVE DESIGN: EARTHING PLAN (Fig.4))

NOTE:

- (1) ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED.
- (2) ROUTING OF CONDUCTOR IS DIAGRAMMATIC ONLY, & MARGINAL SHIFTING OF CONDUCTOR TO AVOID INTERFERENCES OF CHEMICAL STUDS, CUT OUTS IN FLOOR ETC. SHALL BE DONE AT SITE.
- (3) THE GROUND MAT (AL FLAT 70X10 Sqmm) SHOULD BE LAID 50mm BELOW THE FINISHED FLOOR LEVEL OF GIS HALL.
- (4) RISERS ABOVE THE EARTH MAT FOR EARTHING THE GIS STRUCTURES SHALL BE OF 70X10 Sqmm AL FLAT. IT WILL BE CONNECTED WITH THE LINK FROM LOOPING CIRCUIT OF GIS.
- (5) WHEREVER THE GROUND MAT CONDUCTORS (FLATS) CROSS THE CHEMICAL STUDS. THEY SHOULD BE SUITABLY BENT AND TAKEN AT LEAST DIM 'B' AWAY FROM THE CHEMICAL STUD.
- (6) NO GROUND MAT CONDUCTOR SHOULD PASS THROUGH ANY FLOOR CUTOUT. IN THE EVENT OF SUCH CASES, IT SHOULD SURPASS THE CUTOUT.
- (7) EACH RISER (AL FLAT 70X10 Sqmm) SHALL PROJECT 100MM ABOVE THE GIS FLOOR LEVEL.
- (8) FLEXIBLE COPPER BRAIDED CONNECTIONS SHALL BE USED FOR CONNECTION OF GROUND POINTS OF EQUIPMENT i.e. GIS LCC PANELS ETC TO GROUNDING NETWORK.
- (9) POTYARD AREA SHALL HAVE EARTHING MESH OF GI FLAT 75X12MM. ALL THE POTYARD EQUIPMENT SHALL BE CONNECTED WITH THIS MESH.

CONNECTION TO STRUCTURAL STEEL REINFORCEMENT IF EXISTENT.
RISER FROM TRANSFORMER CAVERN (75X12 MS FLAT).



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भारत सरकार का उपक्रम
NHPC Limited
(A GOVT. OF INDIA ENTERPRISE)

LOT-IV : ELECTRICAL & MECHANICAL WORKS
PBTII-GIS01GA008-01

ADDITIONAL INFORMATION
W.O. No. 87016
STATUS OF DRAWING CONTRACT
DISTRIBUTION OF PRINTS

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



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BHARAT HEAVY ELECTRICALS LTD.
TRANSMISSION PROJECTS DIVISION, BHOPAL

वर्क/ NAME	हस्ताक्षर/ SIGN	दिनांक/ DATE	वे. र. की संख्या/ NO. OF VAR
MANOJ		24.01.13	
PR		24.01.13	
NK		24.01.13	

डिजाइन/ DEPT TBEM
कोड/ CODE 422

उत्तर, चक्र, वायु की श्रेणी/ UNTOLBMS OR

जुड़ाव/ SCALE 1:400

भारत का/ WEIGHT CKG

उत्तर, इंडिया का संकेत/ REF. TO ASSY. DRG

मद क. मद संख्या/ ITEM NO. मद संख्या/ NO. OF ITEM

शीर्षक/ TITLE
400 kv GIS FLOOR EARTHMAT LAYOUT

ड्राईंग नं./ DRAWING NO. TB 2 225 316 008
पृष्ठ नं./ SHT. No. 1 पृष्ठों की संख्या/ NO. OF SHT. 00

REF. DRG. NO.

SIGN AND DATE

INVENTORY NO.