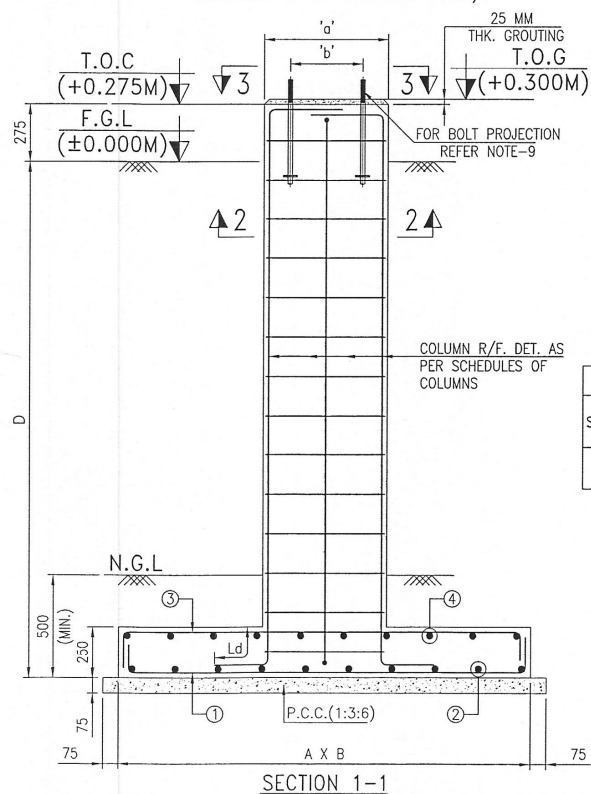
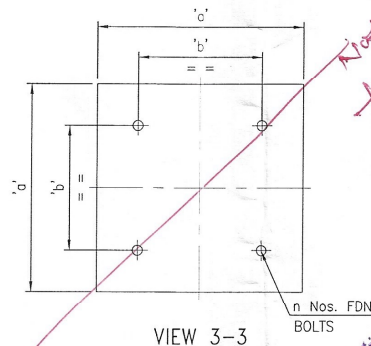


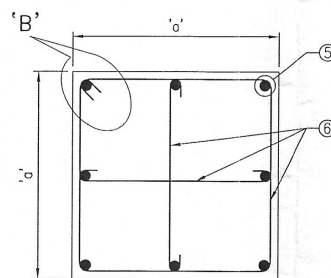
**FOUNDATION PLAN**  
(FOR ORIENTATION & LOCATION OF  
FOUNDATION REFER FOUNDATION LAYOUT)



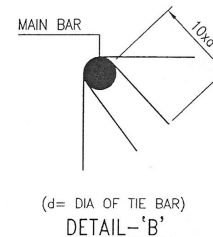
**SECTION 1-1**



**VIEW 3-3**



**SECTION 2-2**



**DETAIL - 'B'**  
(d= DIA OF TIE BAR)

Drawing is approved  
subject to overall  
responsibility of the estimator  
in terms of contract agreement  
or, time for the work

Chief Engineer (Civil)  
B.S.P.T.C.L.

Spotting Engineer (Civil)  
B.S.P.T.C.L.

**NOTE**

- ALL DIMENSIONS ARE IN M.M. AND ALL LEVELS ARE IN METERS.
- ONLY WRITTEN DIMENSIONS TO BE FOLLOWED AND DRAWING NOT TO BE SCALED.
- ELEVATION (±)0.00 CORRESPONDS TO FINISHED GROUND LEVEL AND THAT REFERS TO RL 100.30M.
- CLEAR COVER TO MAIN REINFORCEMENT SHALL BE AS BELOW:  
a) FOR FOUNDATION = 50mm.  
b) FOR COLUMN = 50mm.
- ALL STRUCTURAL CONCRETE SHALL BE OF M20 GRADE.
- REINFORCEMENT STEEL SHALL BE HIGH STRENGTH DEFORMED BAR OF GRADE Fe-500 CONFORMING TO IS1786-1985.
- LAP LENGTH SHALL BE 55 TIMES THE DIAMETER OF BAR.
- FOR BOLT SETTING OUT PLAN REFER FABRICATION DRAWING OF RESPECTIVE EQUIPMENT STRUCTURE.
- FOR BOLT PROJECTION REFER STANDARD FOUNDATION BOLT DRAWING OF EQUIPMENT.

**LEGEND**

FGL	- FINISHED GROUND LEVEL.
T.O.C	- TOP OF CONCRETE.
T.O.G	- TOP OF GROUTING.
E/S	- EARTH SWITCH
FND.	- FOUNDATION
PED.	- PEDESTAL

**REFERENCE DRAWINGS**

- KEC-SB937-GRL-01-1001 - OVERALL GENERAL ARRANGEMENT LAYOUT PLAN.
- KEC-SB937-GRL-90-0002 - OVERALL FOUNDATION LAYOUT.
- KEC-SB937-GRL-94-1310 - FOUNDATION BOLT DETAILS FOR EQUIPMENT

**SCHEDULE OF 33KV EQUIPMENT FOUNDATION**

S.NO.	EQU. TYPE	FND. QTY.	A mm	B mm	'a' mm	'b' mm	D mm	FOOTING REINFORCEMENT				COLUMN REINFORCEMENT		FDN BOLT	
								① (BOTTOM)	② (BOTTOM)	③ (TOP)	④ (TOP)	⑤	⑥	DIA	n
1	BPI	20	1800	1700	500	250	2600	10 $\Phi$ @200 C/C	10 $\Phi$ @200 C/C	10 $\Phi$ @200 C/C	10 $\Phi$ @200 C/C	8-12 $\Phi$	8 $\Phi$ @190 C/C	20 $\Phi$	04

**SPECIAL NOTE:**  
FOR HLA FOUNDATION DEATILS REFER 50MVA TRANSFORMER FOUNDATION DRAWING NO:KEC-SB937-GRL-95-1402 (R1).

**Bihar State Power  
Transmission Company  
Limited (BSPTCL)**

**Title: R.C.C DETAILS 33KV  
EQUIPMENT FOUNDATION FOR  
LA, HLA, CT, PT, BPI & ISO**

**Drg.No.:- CD\_33KVEQPT\_01-01**

**Scale: 1:100**

**Sheet:  
01 OF 06**