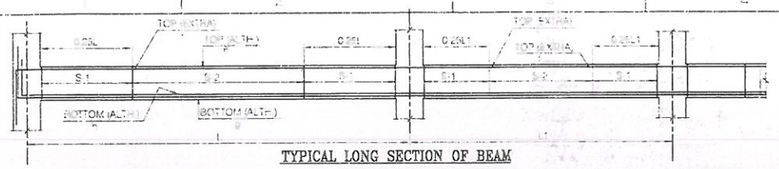
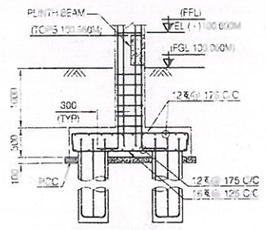
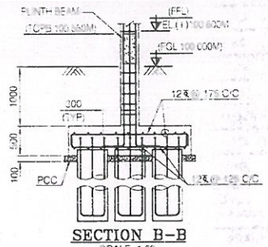


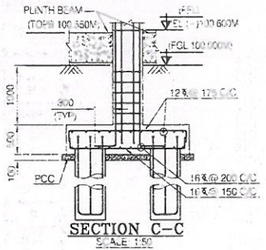
TYPICAL LONG SECTION OF BEAM



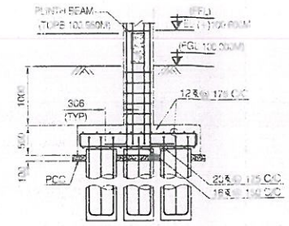
SECTION A–A
SCALE 1:50



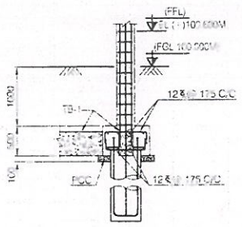
SECTION B–B
SCALE 1:50



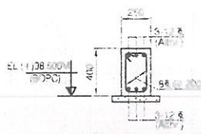
SECTION C–C
SCALE 1:50



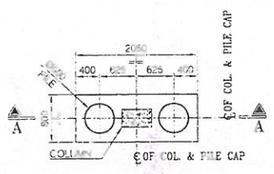
SECTION D–D
SCALE 1:50



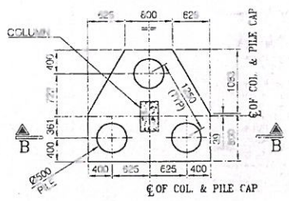
SECTION E–E
SCALE 1:50



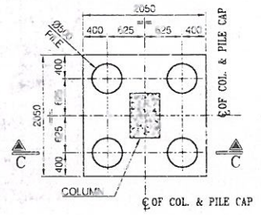
R.C DETAIL OF TB–1
SCALE 1:25



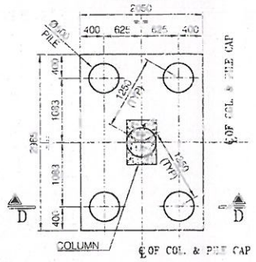
DET. OF PILE CAP MKD. 'PC–1'
(2 NOS. PILE REQD.)
SCALE 1:50



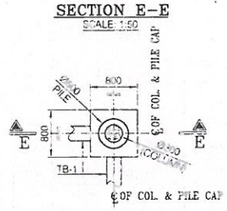
DET. OF PILE CAP MKD. 'PC–2'
(3 NOS. PILE REQD.)
SCALE 1:50



DET. OF PILE CAP MKD. 'PC–3'
(4 NOS. PILE REQD.)
SCALE 1:50



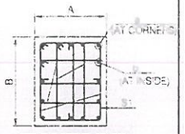
DET. OF PILE CAP MKD. 'PC–4'
(5 NOS. PILE REQD.)
SCALE 1:50



DET. OF PILE CAP MKD. 'PC–5'
(5 NOS. PILE REQD.)
SCALE 1:50

SCHEDULE OF COLUMN:–

COL. MKD.	COL. SIZE A	COL. SIZE B	GRID MKD.	NOS. OF COL.	LONGITUDINAL REINFORCEMENTS CORNER	LONGITUDINAL REINFORCEMENTS INSIDE	LONGITUDINAL REINFORCEMENTS PERIPHERAL	LATERAL TIES S1
C1	500	600	A1 & E1	2	4-16ϕ	8-16ϕ	-	8ϕ @ 190 C/C (8 NOS. /SET)
C2	500	750	B1 & C3	2	4-16ϕ	12-20ϕ	-	8ϕ @ 190 C/C (5 NOS. /SET)
C3	500	750	C1	1	4-16ϕ	12-25ϕ	-	8ϕ @ 190 C/C (6 NOS. /SET)
C4	500	750	D1	1	4-16ϕ	12-20ϕ	-	8ϕ @ 190 C/C (5 NOS. /SET)
C5	400	600	A2	1	4-20ϕ	8-20ϕ	-	8ϕ @ 190 C/C (3 NOS. /SET)
C6	400	600	E2	1	4-20ϕ	8-20ϕ	-	8ϕ @ 190 C/C (3 NOS. /SET)
C7	300	600	A3 & B4	2	4-20ϕ	4-16ϕ	-	8ϕ @ 190 C/C (2 NOS. /SET)
C8	500	750	B3	1	4-16ϕ	8-28ϕ	-	8ϕ @ 190 C/C (3 NOS. /SET)
C9	500	750	D3	1	4-25ϕ	8-20ϕ	-	8ϕ @ 190 C/C (3 NOS. /SET)
C10	300	600	A4, B4, C4, D5, D6, E3 & E4	5	4-16ϕ	4-12ϕ	-	8ϕ @ 190 C/C (2 NOS. /SET)
C11	300	600	A5, D4 & E5	3	4-16ϕ	4-16ϕ	-	8ϕ @ 190 C/C (2 NOS. /SET)
C12	3000		F3 & F4	2	-	-	6-12ϕ	8ϕ @ 190 C/C (1 NO. /SET)
SC1	230	230		1	4-16ϕ	4-12ϕ	-	8ϕ @ 190 C/C (2 NOS. /SET)

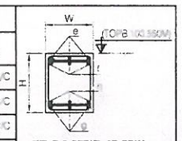


TYP R.C DETAIL OF COL. EXCEPT COL. MKD. C12

R.C DETAIL OF COL. MKD. C12

SCHEDULE OF PLINTH BEAM:–

BEAM MKD.	BEAM SIZE W	BEAM SIZE H	REINFORCEMENTS TOP (ALTH.)	REINFORCEMENTS TOP (EXTRA)	REINFORCEMENTS BOTTOM (ALTH.)	REINFORCEMENTS BOTTOM (EXTRA)	STIRRUPS S1 (NEAR SUPPORT)	STIRRUPS S2 (AT SPAN)
PB1	230	500	3-16ϕ	2-16ϕ	3-16ϕ	-	8ϕ @ 200 C/C	8ϕ @ 200 C/C
PB2	230	500	3-16ϕ	3-16ϕ	3-16ϕ	-	8ϕ @ 200 C/C	8ϕ @ 200 C/C
PB3	230	500	3-16ϕ	2-16ϕ	3-16ϕ	-	8ϕ @ 150 C/C	8ϕ @ 200 C/C
PB4	230	500	2-12ϕ	-	2-16ϕ	3-12ϕ	8ϕ @ 200 C/C	8ϕ @ 200 C/C



TYP R.C DETAIL OF BEAM

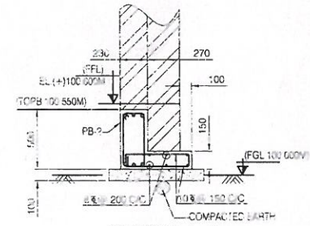
SCHEDULE OF PILE WITH PILE CAP

PILE CAP MKD.	PILES PER PILE CAP	GRID MKD.	REQ. NO. OF PILE	LENGTH OF PILE BELOW CUT OF LEVEL
PC-1	2	A1-A4-A5-B5-D5-E1 & E5	16	10M
PC-2	3	A2-A3-C4-D4-E2-E3 & E4	21	10M
PC-3	4	B1-B4-C1 & D1	16	10M
PC-4	5	B2-B3 & D3	15	10M
PC-5	1	F3 & F4	2	5.50M
		TOTAL REQ. NO OF 500ϕ PILE	70	

PILE LAYOUT PLAN
500MM DIA & 10 M LENGTH PILE- 70 NOS. REQD.
SCALE 1:100

CENTER OF PILE CAP SHALL MATCH WITH CORRESPONDING COLUMN CENTER

COLUMN & PLINTH BEAM LAYOUT PLAN
SCALE 1:100



SECTION 1–1
SCALE 1:25

Drawing is approved subject to overall responsibility of the contractor in terms of contract agreem...

Chief Engineer (Civil)
BSPTCL

LEGEND

FFL :- FINISHED FLOOR LEVEL
FGL :- FLOOR FINISHED GROUND LEVEL
TOPC :- TOP OF PILE CAP
BOPC :- BOTTOM OF PILE CAP
TOPB :- TOP OF PLINTH BEAM

NOTES:-

1. ALL DIMENSIONS ARE IN MM & LEVELS IN M.
2. ALL PILE SHOULD BE 500mm Ø
3. THE CAPACITY OF 500mm Ø PILE OF 11.0m LENGTH IS 33.0 t & THAT IS OF 5.5M LENGTH IS 15.0 t.
4. CLEAR COVER
   PILE CAP-50mm (ALL SIDE & TOP)
   TIE BEAM-50mm (TOP, BOTTOM & SIDE)
   PLINTH BEAM-25mm (TOP, BOTTOM & SIDE)
5. ALL RCC SHALL BE 1:1:2
6. ALL RCC SHALL BE M20 GRADE AND FE500 REINFORCEMENT STEEL.
7. DEVELOPMENT LENGTH SHOULD BE 50 X DIA OF BAR.
8. FOR PILE DETAILS - REFER DRAWING TYPICAL DETAILS OF PILE DRAWING NO: 08699-WSHP-SUBS-SWYD-C-DRG-PILE-001.

	BIHAR STATE POWER TRANSMISSION CO. LTD.
DRG. TITLE	TYPICAL CONTROL ROOM BUILDING FOUNDATION DETAILS
DRG. NO.	BSPTCL-SUBS-SWYD-C-STD-DRG-CRB FOUNDATION
SCALE	1:100 SHEET 1 OF 1

30.11.15
Assistant Engineer (Civil)
BSPTCL

30/11/15
Executive Engineer (Civil)
BSPTCL

30/11/15
Superintending Engineer (Civil)
BSPTCL