

BAR BENDING SCHEDULE FOR FOUNDATION

BAR TYPE	SKETCH	BAR DIA. (mm)	LENGTH (mm)	NO./LEG	UNIT WEIGHT (kg/m)	WEIGHT PER LEG (kg)	WEIGHT PER TOWER (kg)
A		12	6120	70	0.888	318.259	1273.037
B		12	2984	22	0.888	68.295	233.180
C		12	6344	40	0.888	189.819	759.276
D		25	3350	8	3.853	103.260	413.040
E		8	2150	13	0.395	11.040	44.161
F		8	1582	13	0.395	8.021	32.083
TOTAL WEIGHT (kg) = 2754.777							

QUANTITIES / TOWER

EXCAVATION	=	365.84 m ³
CONCRETE (1:1.5:3)	=	39.93 m ³
LEAN CONCRETE (1:3:6)	=	6.45 m ³
REINFORCEMENT	=	2754.777 kg

TOWER SLOPE TAN ALPHA = 0.245256

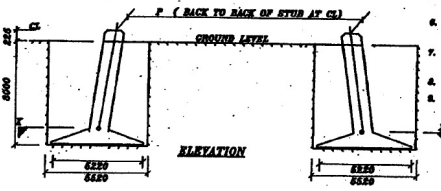
EXCAVATION PLAN DETAILS

LEVEL	STUD	CG OF STUD	P	M	N	CLAYT DETAILS
+0m	HT L 150*10	85.9	12115	13327	15947	SEE 1000
+3m	HT L 150*10	85.9	12524	14798	20282	SEE 1000
+9m	HT L 150*10	85.9	16068	16270	23000	SEE 1000

- NOTES:**
- DRAWING NOT TO SCALE
 - ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED
 - REINFORCED BAR USED IS 800 CONFORMING TO IS 1786-1985
 - MIX PROPERTIES CONFORMING TO IS 466-2000
 - CONCRETE MIX USED GRADE M 20 (NOMINAL MIX 1:1.5:3)
 - LEAN CONCRETE MIX GRADE M10 (NOMINAL MIX 1:3:6)
 - STIRRUPS AND BARS ARE TO BE ADJUSTED AT SITE VERNIER NECESSARY TO CLEAR STUD AND CLAYT
 - CLEAR COVER TO THE MAIN REINFORCEMENT BARS SHALL BE AS PER UNLESS OTHERWISE SPECIFIED
 - ALL 8mm BARS ARE 80 BARS.
 - FOR SPLICES, LAP LENGTH TO BE PROVIDED IS 6d, d = DIA OF LARGER BAR.

THE FOUNDATION HAS BEEN DESIGNED FOR THE FOLLOWING PARAMETERS:

TYPE OF SOIL : WDC
 UNIT WEIGHT: 1440 / 0.40 kg/cm³
 BEARING CAPACITY: 10076 kg/m²
 ANGLE OF REPOSE : 0 / 0 Degree
 WATER TABLE : 0 TO 3 M FROM GL



DATE	REV.	DESCRIPTION
11.12.14	1	REVISED AS PER CLIENT COMMENTS

CLIENT	SCALE	NIS
● BIHAR STATE POWER TRANSMISSION CO.LTD., PATNA		
PROJECT :	REV	SHEET
WBC TYPE FOUNDATION FOR 220 KV D/C 'DD+0/3/6' TOWER		1 OF 1
DRG.No.	220kV-D/C +0/3/6-Fdn-WBC-45	

AS SHEET