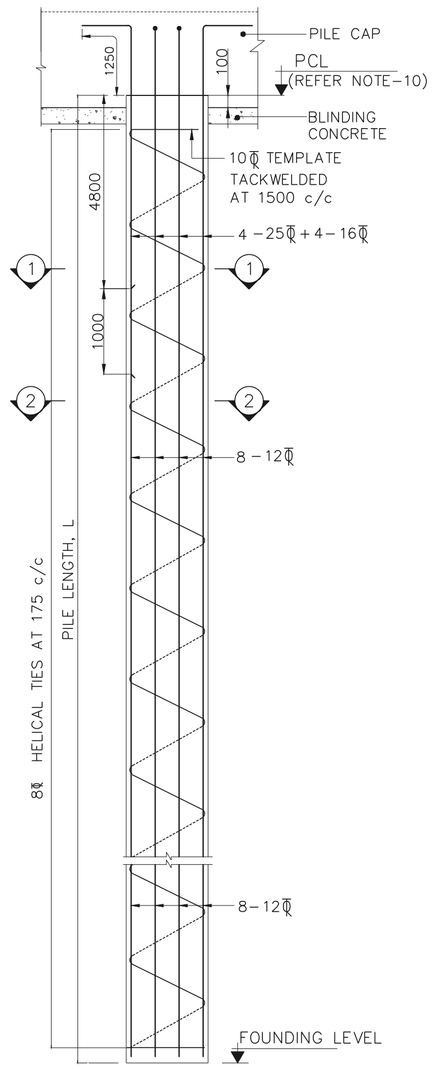
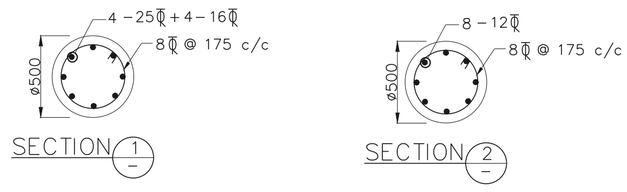


LONGITUDINAL SECTION OF PILE -TYPE- A, B & C



TEST PILE REINF DETAILS OF TYPE-A, B & C FOR VERTICAL, HORIZONTAL AND PULL OUT TEST

PARTICULARS OF TEST PILES

PILE TYPE	LENGTH, L (M)	DIA (MM)	SAFE PILE CAPACITY (TONS)		
			VERTICAL	HORIZONTAL	PULL OUT
TYPE-A	30	500	75	3	25
TYPE-B	25	500	60	3	20
TYPE-C	25	500	85	3	25

TEST PILES LOCATIONS:

VERTICAL TEST:

PILE TYPE-A & B, SHALL BE TESTED IN AREA BH1 TO 9

PILE TYPE-C, SHALL BE TESTED IN AREA BH18 TO 24

UPLIFT TEST:

WEAKEAT AREA OF SOIL IS IN PILE TYPE A & B, SO UPLIFT TEST OF TYPE-C SHALL BE CARRIED OUT IN AREA BH1 TO 9

HORIZONTAL TEST:

HORIZONTAL TEST SHALL BE CARRIED OUT AT ANY PLACE OF ABOVE MENTIONAD AREA AS PILE CAPACITY IS SAME IN ALL AREA

NOTE:-TEST LOCATION SHALL NOT BE FOUL WITH BUILDING/STRUCTURE/MACHINE FOUNDATION

NOTES

1. ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS ARE IN METRES.
2. PILE SHALL BE BORED CAST-IN-SITU CONCRETE PILE.
3. CONCRETING SHALL BE DONE BY TREMIE METHOD.
4. THE GRADE OF CONCRETE SHALL BE 'M30'. MINIMUM CEMENT CONTENT 400KG/CUM.
5. CEMENT SHALL BE OF OPC CONFORMING TO IS: 269.
6. REINFORCEMENT STEEL SHALL BE OF Fe500 CONFORMING TO IS: 1786.
7. CLEAR COVER TO LINKS SHALL BE 50mm.
8. IN ADDITION TO THE REINFORCEMENT SHOWN, SPACER BARS /CIRCULAR TEMPLATE WITH 10 SHALL BE PROVIDED AT 1500C/C. LONGITUDINAL MAIN BARS SHALL BE TACK WELDED TO CIRCULAR TEMPLATE.
9. CONCRETING SHALL BE DONE UPTO A MAX OF 1000mm, GENERALLY ABOVE CUT-OFF LEVEL.
10. PILE CUT OFF LEVEL SHALL BE 1.0 M BELOW NATURAL GROUND LEVEL, UNO.
11. DEVELOPMENT LENGTH SHALL BE 50 TIMES DIA OF BAR.
12. BARS SHALL BE LAPPED IN STAGGERED WAY & WELDED AT ALL LAPPINGS.
13. LOAD TEST SHOULD BE CARRIED OUT AS PER IS: 2911 (P-IV).
14. HELICAL REINFORCEMENT SHALL BE OF REGULAR FORMATION WITH THE TURNS OF THE HELIX SPACED EVENLY & ITS ENDS SHALL BE ANCHORED PROPERLY BY PROVIDING ONE & HALF EXTRA TURNS OF THE SPIRAL BAR.

LEGEND

PCL - PILE CUT OFF LEVEL
UNO - UNLESS NOTED OTHERWISE

OWNER: ONGC OPaL
DAHEJ PETROCHEMICAL COMPLEX
STEAM & POWER GENERATION SYSTEM
ONGC Petro-additions LIMITED,
SEZ, Dahej, Gujarat, India
PMC: EIL

Tender No.-MR/OW/MM/STG-NOM/19/2009 | EIL JOB No. 6978 / EPPC 10 Pkg.

BHARAT HEAVY ELECTRICALS LTD.
HYDERABAD

	NAME	SIGN.	DATE	NO.OF VAR.
DRN.	K GOURI	Sd/	16.05.11	N.A.
CHD.	GPP	Sd/	16.05.11	
APPD.	PM	Sd/	16.05.11	

DEPT.	UNTOL. DIMS.	SCALE	WEIGHT (KG)	REF. TO ASSY. DRG.	ITEM NO.	NO.OF ITEMS
PED	GR.	N.T.S	N.A.	N.A.	N.A.	N.A.
CODE 450	C/M/F					

TITLE: DETAILS OF TEST (BORED CAST-IN-SITU) PILES

CARD CODE: NA

DRG. NO. 2-381-42-01007 REV. 00
CUST. DRG. NO. XXXX-46-1111
SHT. No 01 | NO. OF SHT. 01

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COMPUTER FILE NAME : SET OF DRWGS\CAST IN SITU PILE 2-381-42-00606R15.DWG
GENERAL DIMENSIONAL LIMITS,FITS & TOLERANCES AS PER HY0230261
SIGN. AND DATE | REF. DRG. NO. | INVENTORY NO

REV.	DATE	ALTERED	CHD/APPD	ZONE
M				
L				
K				
J				
H				
G				
F				
E				
D				
C				
B				
A				