

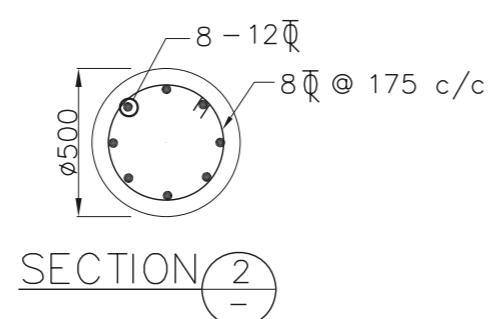
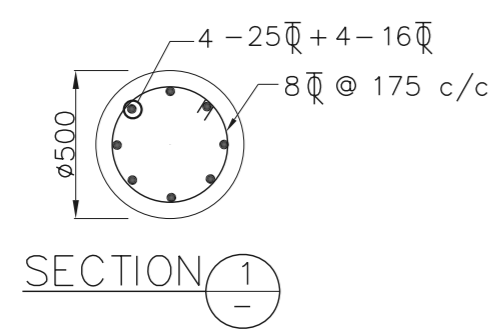
PARTICULARS OF WORKING PILES

PILE TYPE	LENGTH (M)	DIA (MM)	PILE CAPACITY (TONS)		
			VERTICAL	HORIZONTAL	PULL OUT
TYPE-A	30	500	75	6	25
TYPE-B	25	500	60	6	20
TYPE-C	25	500	85	6	25

NOTE: -

- 1.0) PILE TYPE-A & B, WILL BE USED IN STG HALL, SWGR & CONTROL BULDG, DG ROOM UB & RCC CHIMNEY AREA IF REQUIRED.
- 2.0) PILE TYPE-C WILL BE USED IN DEARATOR & BFP, GTG, GTG AUX, HRSG, SAT TRANSFORMER AND FUEL TANK AREA IF REQUIRED.

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



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 GRADE, 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 ϕ 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. FOR ACTUAL CUT-OFF LEVELS OF JOB PILE, REFER RESPECTIVE PILING LAYOUTS DRGS.
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 OPAL		DAHEJ PETROCHEMICAL COMPLEX STEAM & POWER GENERATION SYSTEM ONGC Petro-additions LIMITED, SEZ, Dahej, Gujarat, India			PMC 		
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	N.A.		
APPD.	PM	Sd/	16.05.11	N.A.			
DEPT. PED. CODE 450	UNTOL. DIMS. GR. ϕ/M/ϕ		SCALE N.T.S	WEIGHT (KG) N.A.	REF. TO ASSY. DRG. N.A.	ITEM NO. N.A.	NO.OF ITEMS N.A.
TITLE DETAILS OF WORKING (BORED CAST-IN-SITU) PILES				CARD CODE NA	DRG. NO. 2-381-42-01008	REV. 00	
				CUST. DRG. NO. XXXX-46-1111	SHT. No 01	NO. OF SHT. 01	

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COMPUTER FILE NAME: SET UP BORED CAST IN SITU PILE 2-38142-0000015.DWG

GENERAL DIMENSIONAL LIMITS, FITS & TOLERANCES AS PER HY02.00261

REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED									
ZONE		CHD/APPD	ZONE		CHD/APPD	ZONE		CHD/APPD	ZONE		CHD/APPD	ZONE		CHD/APPD	ZONE		CHD/APPD	ZONE		CHD/APPD	ZONE		CHD/APPD									
1			2			3			4			5			6			7			8			9			10			11		