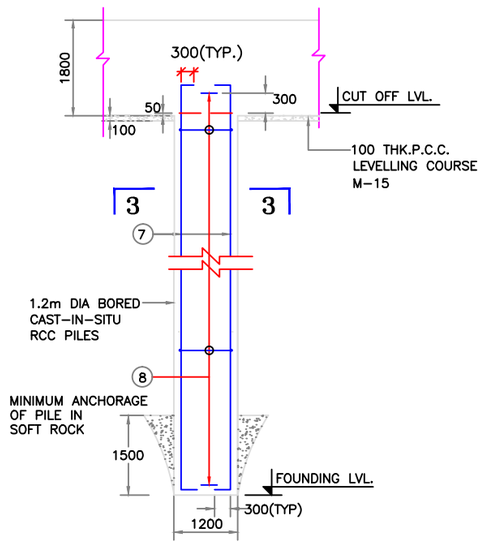
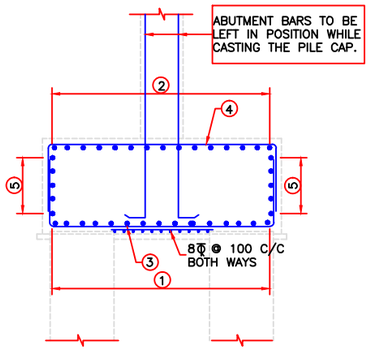


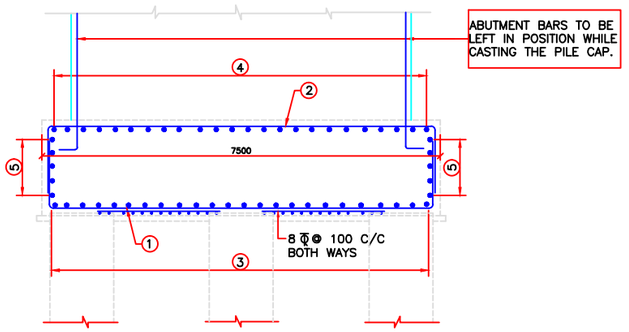
R.C.DETAILS OF PILE

(SCALE 1:75)



SECTION 1-1

(SCALE 1:75)

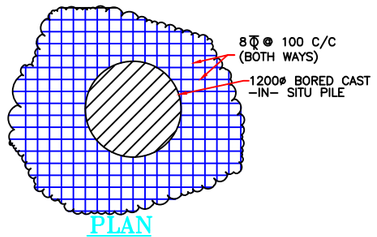


SECTION 2-2

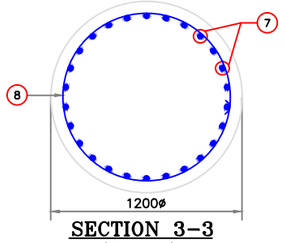
(SCALE 1:75)

REINFORCEMENT DETAIL:

BAR MKD.	DIA (mm)	SPACING/Nos.	SHAPE
1	16	150 C/C	1800
2	16	150 C/C	1800
3	20	140 C/C	1800
4	16	150 C/C	1800
5	12	5 Nos.	ALL AROUND
6		NOT USED	
7	16	23 Nos.	
8	10	180 C/C	

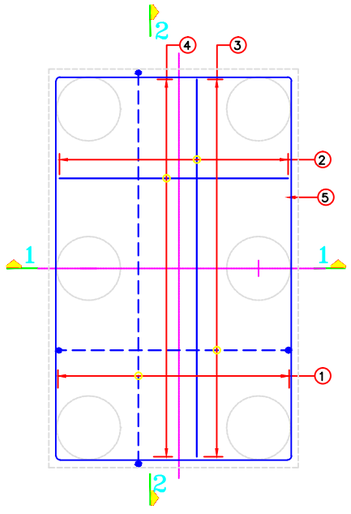


PLAN



SECTION 3-3

(SCALE 1:25)



REINFORCEMENT DETAIL OF PILE CAP

(SCALE 1:75)

LEGENDS

———	BAR ON TOP FACE
- - - -	BAR ON BOTTOM FACE
B/F	BOTH FACE

NOTES:-

1. ALL DIMENSIONS ARE IN mm, UNLESS OTHERWISE MENTIONED.
2. DO NOT SCALE THE DIMENSIONS. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
3. LAPS IS STAGGERED AND NOT MORE THAN 50% OF BARS IS LAPPED AT ANY LOCATION.
4. LAPS LENGTH SHALL NOT LESS THAN 72 TIMES THE DIA OF BAR FOR PIER & FOUNDATION & 63 TIMES DIA OF BAR FOR PIER CAP.
6. ACTUAL LOAD TEST SHALL BE CARRIED OUT ON A TEST PILE AS PER IS::2911(PART IV) AND IRC:78 TO DETERMINE VERTICLE AND LATERAL CAPACITY OF PILE. SEPARATE DRAWING SHALL BE REFFERED FOR DETAIL OF PILE LOAD TEST.
7. PILE SHALL BE CAST UPTO 400mm ABOVE THE BOTTOM OF PILE CAP LEVEL. THE TOP 350mm OF CONCRETE SHALL BE BROKEN BEFORE THE CASTING OF PILE CAP, LEAVING 50mm PILE EMBEDDED INTO PILE CAP.

DESIGN PILE LOAD-

NORMAL CASE: VERTICAL LOAD = 175 TONNE
HORIZONTAL LOAD = 20 TONNE

SEISMIC CASE: VERTICAL LOAD = 200 TONNE
HORIZONTAL LOAD = 25 TONNE

REFERENCE DRAWINGS

1. GENERAL ARRANGEMENT DRAWING
   Drg No.:- ACEPL/JHRR/BENGABAD/BR-2N/PKG-JH-0813/GAD/101
2. DIM. DETAIL OF ABUTMENT, & FOUNDATION
   Drg No.:- ACEPL/JHRR/BENGABAD/BR-2N/PKG-JH-0813/SUB/201 (SH. 1 OF 3)
3. REINF. DETAIL OF ABUTMENT & RETURN WALL.
   Drg No. : ACEPL/JHRR/BENGABAD/BR-2N/PKG-JH-0813/SUB/201 (SH. 3 OF 3)

	Development of Rural Bridge in The State of Jharkhand under PMGSY	JSRRDA	JHARKHAND STATE RURAL ROAD DEVELOPMENT AUTHORITY (GOVT. OF JHARKHAND)	District :-Giridih	DRAWING NO.- ACEPL/JHRR/BENGABAD/BR-2N/PKG-JH-0813/SUB/201 REIF. DETAIL OF PILE & PILE CAP FOR ABUTMENT	Drawn by: Ashok	Date : FEB. 2011
				Block :Bengabad	Road Name : Jharkatta Path Over River Kushumbha Kenduvatand	Designed by:	Package: JH-0813
				Division :	Road No. :L0	Checked by:	Scale:

Prepared by:
JINFRA Jharkhand Infrastructure Development Corporation Limited
Process Manager to JINFRA:
IL&FS Infrastructure Developement Corporation Limited