

BORE HOLE DETAILS FOR BH-16

GL 894.462 m	MATERIAL DESCRIPTION	DEPTH (M)	LEGEND	N VALUE = N
	LOOSE TO MEDIUM DENSE CLAYEY SAND (SC)	0.0		N=18 (6/8/10)
		1.0		
		2.0		
		3.0		
		4.0		
		5.0		
		6.0		
		7.0		
		8.0		
		9.0		
		10.0		
		11.0		
	VERY STIFF TO HARD CLAY OF MEDIUM PLASTICITY (CI)	12.0		N=35 (13/16/19)
		13.0		
	DENSE CLAYEY SAND (SC)	14.0		N=38 (9/18/20)
		15.0		
	HARD CLAY OF HIGH PLASTICITY (CH)	16.0		N=40 (8/14/26)
		17.0		
	HARD INORGANIC SILT OF HIGH COMPRESSIBILITY (MH)	18.0		N=57 (12/22/35)
		19.0		
	HARD INORGANIC SILT OF MEDIUM PLASTICITY (MI)	20.0		N=76 (19/34/42)
		21.0		
	HARD INORGANIC SILT OF HIGH COMPRESSIBILITY (MH)	22.0		N=69 (28/32/37)
		23.0		
	VERY DENSE SILTY SAND (SM)	24.0		R (32/50 for 30mm)
		25.0		
	COMPLETELY WEATHERED, HORIZONTALLY FRACTURED, FINE TO MEDIUM GRAINED, GREYISH BLACK DOLERITE	26.0		N=18 (6/8/10)
		27.0		
	COMPLETELY WEATHERED, IRREGULARLY FRACTURED, DISINTEGRATED, YELLOWISH WHITE QUARTZITE	28.0		N=9 (6/5/4)
		29.0		
	COMPLETELY WEATHERED, HORIZONTALLY FRACTURED, FINE TO MEDIUM GRAINED, GREYISH BLACK DOLERITE	30.0		N=11 (6/4/7)
		31.0		

COMPLETELY WEATHERED, HORIZONTALLY FRACTURED, FINE TO MEDIUM GRAINED, GREYISH BLACK DOLERITE	24.0	
COMPLETELY WEATHERED, GREYISH BLACK, DOLERITE ROCK FULLY REDUCED TO SOIL	25.0	
COMPLETELY WEATHERED, CONCHOIDALLY FRACTURED, DISINTEGRATED, YELLOWISH -PINK QUARTZITE	26.0	
MODERATELY WEATHERED, HORIZONTALLY FRACTURED, MEDIUM TO COARSE GRAINED, GREYISH WHITE BRECCIATED GNEISS	27.0	
FRESH, MEDIUM TO COARSE GRAINED, GREYISH WHITE GRANITIC GNEISS FOLLOWED BY QUARTZITE	28.0	
	29.0	
	30.0	
END OF BOREHOLE AT 30m		

PIER, PILE CO-ORDINATES, LEVELS & WORKING LOADS AND CAPACITIES :

PIER LOCATION	PIER CO—ORDINATE		PILE CO—ORDINATES								LEVELS (M)								WORKING LOAD ON PILE (kN)		PILE CAPACITY (kN)		
			1		2		3		4		RAIL LEVEL (m)	FINISHED ROAD LEVEL/ GROUND LEVEL (m)	PIER CAP TOP LEVEL(m)	PILE CAP TOP LEVEL(m)	PILE CUTOFF LEVEL(m)	PILE TERMINATION LEVEL(m)	HEIGHT 'h' (m)	PILE LENGTH 'L' (m)	REFERENCE BORE LOG	VERTICAL	HORIZONTAL	VERTICAL	HORIZONTAL
	X	Y	X	Y	X	Y	X	Y															
P1	780678.623	1443247.977	780680.758	1443249.364	780680.010	1443245.843	780676.489	1443246.590	780677.236	1443250.112	899.216	893.786	898.086*	893.286	891.561	864.561	4.8	27	BH—16	2578	125	5164	1046

(\*PIER CAP TOP LEVEL IS SUBJECTED TO THE FINALIZATION OF RAIL PLINTH DIMENSIONS)

GOOD FOR CONSTRUCTION

NOTES :		LEGEND :		REFERENCE DRAWINGS :		REFERENCE DOCUMENTS :		KEY PLAN		STATION BOX KEY PLAN		EMPLOYER :																			
				1. GAD REFERENCE DRAWING No.: 022077-BSRP-CR2-C-V0-GEN-10-2001 TO 2006_4 2. GENERAL NOTES DRAWING No.: 022077-BSRP-CR2-C-V0-GEN-20-5000 3. PIER CAP REFERENCE DRAWING No.: 022077-BSRP-CR2-C-V0-GEN-10-1151 TO 1153 4. DIMENSIONAL & REINFORCEMENT DETAIL OF PIER PROTECTION DRAWING No.: 022077-BSRP-CR2-C-V0-GEN-10-1552 5. TYPICAL DETAIL OF EARTHING BAR DRAWING No.: 022077-BSRP-CR2-C-V0-GEN-10-5011 TO 5014		1. GR REFERENCE DOCUMENT NUMBER : DOC-BSRP-CR2-EV-DON-GB-20-1161						<table><tr><th>DESIGNATION</th><th>NAME</th><th>SIGN</th></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>		DESIGNATION	NAME	SIGN															
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REVISIONS		CONTRACTOR		QUALITY ASSURANCE		GENERAL CONSULTANTS		COUNTER SIGN		EMPLOYER :		PROJECT :																			
		TRANSPORTATION INFRASTRUCTURE IC EDRC-SPECIAL BRIDGES		The responsibility of control, check and verification of accuracy, correctness, completeness, integration and full compliance of Contract provisions in respect of design analysis and drawing rests with Design & Build Contractor.		<table><tr><th>CHECKED &amp; APPROVED</th><th>COUNTER SIGN</th></tr><tr><td>NAME SIGN</td><td>PROJECT DIRECTOR</td></tr></table>		CHECKED & APPROVED	COUNTER SIGN	NAME SIGN	PROJECT DIRECTOR	<table><tr><th>DESIGNATION</th><th>SIGN</th><th>DATE</th></tr><tr><td></td><td></td><td></td></tr></table>		DESIGNATION	SIGN	DATE				RAIL INFRASTRUCTURE DEVELOPMENT COMPANY (KARNATAKA) LIMITED		BENGALURU SUBURBAN RAILWAY PROJECT (BSRP) K-RIDE CORRIDOR - 2									
CHECKED & APPROVED	COUNTER SIGN																														
NAME SIGN	PROJECT DIRECTOR																														
DESIGNATION	SIGN	DATE																													
DETAILED DESIGN CONSULTANT (DDC) :		PROOF CONSULTANT (PC) :		SIGN		NAME		DATE		GENERAL CONSULTANTS :		DRAWING TITLE :																			
				DATE		NAME		DATE		AECOM egis WSP AECOM-EGIS-WSP		DIMENSION DETAILS OF FOUNDATION, SUBSTRUCTURE AND REINFORCEMENT DETAILS OF PILE AT P1																			
0 18/07/2024 GOOD FOR CONSTRUCTION				18/07/2024		18/07/2024		18/07/2024				DRAWING NO. : O22077-BSRP-CR2-C-V0-GEN-30-3001 SHEET-2 OF 2																			
8 25/01/2024 FOR APPROVAL				18/07/2024		18/07/2024		18/07/2024				REVISION 0																			
A 10/01/2024 FOR APPROVAL				18/07/2024		18/07/2024		18/07/2024				DWG STATUS C																			
REV DATE BRIEF DESCRIPTION				DATE NAME		DATE NAME		DATE NAME				SCALE : AS SHOWN																			
				PREPARED BY CHECKED BY		APPROVED BY APPROVED BY		ISSUED BY				PRELIMINARY DWG (P), DEFINITIVE DWG (D), CONSTRUCTION DWG (C), AS BUILT DWG (B), SHOP DWG (S), MANUFACTURED DWG (M) SHEET SIZE - A1																			