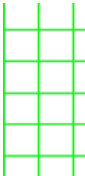

Package -3

Sl. No.	Land Slide Zone No.	Raod Marking (KM)	Design Chainage (KM)	Number of Bore-holes
1	B-17	162+200	159+940	1

Bore Log and Core Sample Photographs LS-B17

Project Name :		Consultancy Services for additional Topographical, Geotechnical Survey for widening and upgradation of NH-54 from km 8.00 to km 380.00 in the State of Mizoram.					BPC Consultant INDIA (P) Ltd.											
Client Name :		M/s National Highways and Infrastructure Development Corporation Limited. (NHIDCL), Delhi.					 2 nd Floor,NATARAJ BHAWAN,Haripal,Hooghly,712405. (WB) www.bpcipl.com											
Work Order No. :		NHIDCL/NH-54/DPR-Add. Survey/2016/168 dated on 16.12.2016																
BORE / CORE LOG DATA SHEET																		
Job Code - P160																		
Chainage (km)		162+200		Sliding Zone		LS_B17		No. of Core (C)				14						
Borehole No.		1		Commencement Date		18.05.2017		No. of SP Test (S)				6						
Ground Elevation (m)		786.5538		Completion Date		22.05.2017		No. of Undisturbed (U)				0						
Method of Boring		Rotary Drilling		Standing Water Level		17.85 M BELOW G.L.		No. of Disturbed (D)				6 (D - 1 & S - 5)						
Borehole Diameter		150 mm & 75 mm		Termination Depth		20.00 M BELOW G.L.		No. of Water Sample (W)				1						
Description of Soil Stratum & Rock Methology	Stratum Elevation As per R.L (m)		Hatching Pattern	Elevation As per R.L (m)		Run Length (m)	Type of Sample	SPT Values (Blows for every 15 cm penetration)			N Values (S-2131)	Corrected N"	Total Core Length (cm)	TCR (%)	RQD (%)	Colours of return Water	Water Loss	Angle of Fracture
	From	To		From	To			15cm	15cm	15cm								
Stiff, Reddish, Clayey Silt with little sand & broken claystone mixed. (CI) 0.00 m to 2.00 m	786.5538			786.0538		-	D	-	-	-	-	-	-	-	-	Reddish	-	-
		784.5538		785.5538	785.1038	-	S	4	6	8	14	-	-	-	-		-	-
Hard, Greyish, Clayey Silt with little sand & broken claystone mixed. (CL) 2.00 m to 6.00 m	784.5538			784.5538		-	S	11	15	18	33	-	-	-	-	Light Greyish	-	-
				783.5538	783.1038	-	S	23	26	29	55	-	-	-	-		-	
				782.5538	782.1038	-	S	27	31	34	65	-	-	-	-		-	
				781.5538	781.1038	-	S	31	37	39	76	-	-	-	-		-	
Brownish, Fine grained highly fracture Weak Sandy Shale. 6.00 m to 18.00 m	780.5538			780.5538		-	S	3cm / 42B	Re	Re	>100	67	-	-	-	Brownish	Partial	:
				780.5238	779.5538	1.00	R1	-	-	-	-	-	19	19	NIL			
				779.5538	778.5538	1.00	R2	-	-	-	-	-	27	27	NIL			
				778.5538	777.5538	1.00	R3	-	-	-	-	-	33	33	NIL			
				777.5538	776.5538	1.00	R4	-	-	-	-	-	23	23	NIL			
				776.5538	775.5538	1.00	R5	-	-	-	-	-	22	22	NIL			
				775.5538	774.5538	1.00	R6	-	-	-	-	-	32	32	NIL			
				774.5538	773.5538	1.00	R7	-	-	-	-	-	24	24	13			
				773.5538	772.5538	1.00	R8	-	-	-	-	-	22	22	NIL			
				772.5538	771.5538	1.00	R9	-	-	-	-	-	21	21	NIL			
				771.5538	770.5538	1.00	R10	-	-	-	-	-	28	28	NIL			
				770.5538	769.5538	1.00	R11	-	-	-	-	-	26	26	NIL			
				769.5538	768.5538	1.00	R12	-	-	-	-	-	32	32	NIL			
	Highly Weathered, Light greyish, Medium to fine grained fracture Very poor Sandstone. 18.00 m to 20.00 m					768.5538		1.00	R13	-	-	-	-	-	21			21
			767.5538			1.00	R14	-	-	-	-	-	22	22	NIL			
			766.5538															
Re: Refusal R : Run RQD : Rock Quality Designation TCR : Total Core Recovery U* : UDS Could not been Collected (Slipped)																		
Slip Plane - 8.5 m																		
** Measurement not possible due to heavy broken small pieces.																		

➤ **LS-B17 (BH-1) at CHAINAGE(km)- 162+200**



PICTURE 1: BH- 1 (Depth-6.00 to 7.00m)



PICTURE 2: BH-1 (Depth-7.00 to 8.00m)



PICTURE 3: BH-1 (Depth-8.00 to 9.50m)



PICTURE 4: BH-1 (Depth-9.00 to 10.00m)



PICTURE 5: BH-1 (Depth-10.00 to 11.00m)



PICTURE 6: BH-1 (Depth-11.00 to 12.00m)



PICTURE 7: BH- 1 (Depth-12.00 to 13.00m)



PICTURE 8: BH-1 (Depth-13.00 to 14.00m)



PICTURE 9: BH-1 (Depth-14.00 to 15.00m)



PICTURE 10: BH-1 (Depth-15.00 to 16.00m)



PICTURE 11: BH-1 (Depth-16.00 to 17.00m)



PICTURE 12: BH-1 (Depth-17.00 to 18.00m)



PICTURE 13: BH-1 (Depth-18.00 to 19.00m)



PICTURE 14: BH-1 (Depth-19.00 to 20.00m)
