

# K.C.T. Consultancy Services®

Project : TELANGANA STPP ST-II

Bore Hole No. : DBH-113

Location : Telangana

Depth of Termination : 12.0 m

Co-ordinates: E 2518, N 1470

Reduced level: 145.578 m

Depth of Water Table : Encountered at 1.25m depth during investigation

Date of Start: 14-03-2024

Date of Completion: 15-03-2024

Diameter of Bore: 150mm and Nx size

Bit Used: Soil Surface Bit and NX Size

## BORE LOG DATA SHEET

Method of Boring	Depth m	Casing	Notation	Soil Description	Depth of Sample m	Drill Run		Type of Sample	SPT N Value/Penetration of S.S.S				Core Recovery (%)	RQD (%)	Remarks			
						From m	To m		N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	N						
										N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>				N		
Rotary drilling method	0.00	Used		Reddish brown, fine to medium grained, filled up clayey sand with occasional fragments of rock and debris <b>0.00 to 0.80m</b>	0.00	0.00	1.50	DS	-	-	-	-	-	-				
	0.50																	
	1.00																	
	1.50					Light yellowish white, fine to coarse grained, clayey gravels (GC) <b>0.80 to 3.20m</b>	1.50	1.50	3.00	SPT	4	5	5	10	-	-		
	2.00																	
	2.50																	
	3.00																	
	3.50					Dark whitish, fine to coarse grained, sandy clays of low plasticity with much gravels (CL) <b>3.20 to 5.00m</b>	3.00	3.00	4.50	SPT	7	8	9	17	-	-		
	4.00																	
	4.50																	
	5.00																	
	5.50					Dark reddish yellow, fine to coarse grained, clayey sand with much gravels (SC) <b>5.00 to 6.40m</b>	4.50	4.50	6.00	SPT	12	15	18	33	-	-		
	6.00						6.00	6.00	6.40	SPT	50/9cm	-	-	>100	-	-		
	6.50																	
	7.00																	
7.50				Highly weathered, weak, light brownish white, fine to medium grained, fractured rock <b>6.40 to 10.50m</b>	7.50	6.40	7.50	CORE	-	-	-	-	20.90	-				
8.00																		
8.50																		
9.00																		
9.50																		
10.00																		
10.50				Highly weathered, completely fractured and disintegrated, Reddish brown, fine to coarse grained, gravel, pebble and cobble size angular interlocking fragments fractured rock <b>10.50 to 11.50m</b>	10.50	9.00	10.50	SPT	50/1cm	-	-	>100	-	-				
11.00																		
11.50																		
12.00				Highly weathered, weak, dark brownish red, fine to medium grained, rock with close spacing of discontinuities	12.00	10.50	12.00	CORE	-	-	-	-	6.00	-				
					12.00	12.00	12.03	SPT	50/4cm	-	-	>100	-	-				

11.50 to 12.00m

# K.C.T. Consultancy Services®

Project : TELANGANA STPP ST-II

Bore Hole No. : DBH-114

Location : Telangana

Depth of Termination : 12.0 M

Co-ordinates:

Reduced level: 145.582

Depth of Water Table : Encountered at 1.25 m depth during investigation

Date of Start: 15-03-2024

Date of Completion: 16-03-2024

Diameter of Bore: 150mm and Nx size

Bit Used: Soil Surface Bit and NX Size

## BORE LOG DATA SHEET

Method of Boring	Depth m	Casing	Notation	Soil Description	Depth of Sample m	Drill Run		Type of Sample	SPT N Value/Penetration of S.S.S				Core Recovery (%)	RQD (%)	Remarks				
						From m	To m		N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	N							
Rotary drilling method	0.00	Used		Dark brownish Red, fine to medium grained, clayey sand with much gravels <b>0.00 to 0.20m</b>	0.00	0.00	1.50	DS	-	-	-	-	-	-	-				
	0.50																		
	1.00																		
	1.50								1.50	3.00	SPT	6	7	8	15	-	-	-	
	2.00																		
	2.50																		
	3.00								3.00	4.50	UDS	-	-	-	-	-	-	-	
	3.50																		
	4.00																		
	4.50								4.50	4.50	4.57	SPT	50/7 cm	-	>100	-	-	-	-
	5.00																		
	5.50																		
	6.00								6.00	4.57	6.00	CORE	-	-	-	-	30.90	18.18	-
	6.50																		
	7.00					Not used		Highly weathered, weak, dark reddish, fine to very fine grained, rock with close spacing of discontinuities <b>4.90 to 7.50m</b>	7.50	6.00	7.50	CORE	-	-	-	-	51.33	33.33	-
8.00																			
8.50																			
9.00					9.00				7.50	9.00	CORE	-	-	-	65.33	26.66	-		
9.50																			
10.00																			
10.50					10.50	9.00	10.50	CORE	-	-	-	-	76.66	54.66	-				
11.00																			
11.50																			
12.00					12.00	10.50	12.00	CORE	-	-	-	-	85.33	71.33	-				

# K.C.T. Consultancy Services®

Project : TELANGANA STPP ST-II

Bore Hole No. : DBH-115

Location : Telangana

Depth of Termination : 20.0 M

Co-ordinates : N 1388, E 2479

Reduced level : 145.546 m

Depth of Water Table : Encountered at 1.30 m depth during investigation

Date of Start: 13-03-2024

Date of Completion: 14-03-2024

Diameter of Bore: 150mm and Nx size

Bit Used: Soil Surface Bit and NX Size

## BORE LOG DATA SHEET

Method of Boring	Depth m	Casing	Notation	Soil Description	Depth of Sample m	Drill Run		Type of Sample	SPT N Value/Penetration of S.S.S				Core Recovery (%)	RQD (%)	Remarks		
						From m	To m		N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	N					
Rotary drilling method	0.00	Used	[Pattern]	Yellowish brown, fine to medium grained, clayey sand with gravel, pebble size fragments of fractured rock (GC) <b>0.00 to 0.50m</b>	0.00	0.00	1.50	DS	-	-	-	-	-	-			
	0.50																
	1.00			[Pattern]	Yellowish white, fine to medium grained, clayey sand (SC) <b>0.50 to 2.50m</b>	1.50	1.50	3.00	SPT	15	25	39	64	-	-		
	1.50																
	2.00																
	2.50																
	3.00																
	3.50					Highly weathered, very weak, dark reddish and white, fine to medium grained, fractured rock <b>2.50 to 5.00m</b>	3.00	3.00	4.50	SPT	50/6 cm	-	-	>100	-	-	
	4.00																
	4.50						4.50	4.50	6.00	SPT	50/5 cm	-	-	>100	-	-	
	5.00																
	5.50																
	6.00			Highly weathered, very weak, brownish red, fine to medium grained, rock with close spacing of discontinuities <b>5.00 to 7.50m</b>	6.00	6.00	6.04	SPT	50/4 cm	-	-	>100	-	-			
	6.50																
	7.00																
	7.50			Highly weathered, moderately weak, dark brownish red, fine to medium grained, rock with close spacing of discontinuities <b>7.50 to 9.00m</b>	7.50	6.00	7.50	CORE	-	-	-	-	38.00	8.00			
	8.00																
	8.50																
	9.00			Highly weathered, weak, dark brownish red, fine to medium grained, fractured rock <b>9.00 to 10.50m</b>	9.00	7.50	9.00	CORE	-	-	-	-	58.00	-			
	9.50																
10.00																	
10.50		Not used	[Pattern]	Moderately weathered, weak, Dark reddish, fine to medium grained, rock with wide spacing of discontinuities <b>10.50 to 12.00m</b>	10.50	9.00	10.50	CORE	-	-	-	-	76.00	18.66			
11.00																	
11.50																	
12.00				Moderately weathered, weak, Dark reddish, fine to medium grained, rock with close spacing of discontinuities <b>12.00 to 13.50m</b>	12.00	10.50	12.00	CORE	-	-	-	-	76.00	44.66			
12.50																	
13.00																	
13.50																	
14.00																	
14.50																	
15.00				Moderately weathered, weak, Dark reddish, fine to medium grained, rock with wide spacing of discontinuities <b>13.50 to 16.50m</b>	15.00	13.50	15.00	CORE	-	-	-	-	74.66	22.00			
15.50																	
16.00																	
16.50																	
17.00																	
17.50																	
18.00			Slightly weathered, weak, yellowish white, fine to medium grained, massive rock <b>16.50 to 18.00m</b>	18.00	16.50	18.00	CORE	-	-	-	-	88.66	62.00				
18.50																	
19.00																	
19.50																	
20.00			Moderately weathered, weak, yellowish white, fine to medium grained, rock with wide spacing of discontinuities	20.00	18.00	20.00	CORE	-	-	-	-	62.50	21.50				
				<b>18.00 to 20.00m</b>													

# K.C.T. Consultancy Services®

Project : TELANGANA STPP ST-II

Bore Hole No. : DBH-116

Location : Telangana

Depth of Termination : 16.50 m

Co-ordinates: E 2464, N 1329

Reduced level: 145.659 m

Depth of Water Table : Encountered at 1.10m depth during investigation

Date of Start: 08-03-2024

Date of Completion: 09-03-2024

Diameter of Bore: 150mm and Nx size

Bit Used: Soil Surface Bit and NX Size

## BORE LOG DATA SHEET

Method of Boring	Depth m	Casing	Notation	Soil Description	Depth of Sample m	Drill Run		Type of Sample	SPT N Value/Penetration of S.S.S				Core Recovery (%)	RQD (%)	Remarks		
						From m	To m		N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	N					
										N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>				N	
Rotary drilling method	0.00	Used		Reddish brown, fine to medium grained, clayey sand (SC) 0.00 to 0.30m	0.00	0.00	1.50	DS	-	-	-	-	-	-			
	0.50			Whitish Yellow, fine to medium grained, clayey sand with occasional gravels (SC) 0.30 to 2.20m													
	1.00					Dark Reddish, fine to very fine grained, clayey sand with gravel, pebble size rock fragments 2.20 to 3.10m	1.50	1.50	3.00	SPT	8	18	36	54	-	-	
	1.50																
	2.00																
	2.50	3.00	3.00			3.10	SPT	50/9cm	-	-	>100	-	-				
	3.00																
	3.50																
	4.00	Not used		Highly weathered, weak, Yellowish white, fine to medium grained, fractured rock 3.10 to 7.50m	4.50	3.10	4.50	CORE	-	-	-	-	30.00	-			
	4.50																
	5.00																
	5.50			6.00	4.50	6.00	CORE	-	-	-	-	40.00	-				
	6.00																
	6.50																
	7.00			Moderately weathered, very weak, dark brownish red, fine to medium grained, rock with wide spacing of discontinuities 7.50 to 12.00m	7.50	6.00	7.50	CORE	-	-	-	-	80.66	44.66			
	7.50																
	8.00																
	8.50			9.00	7.50	9.00	CORE	-	-	-	-	90.66	71.33				
	9.00																
	9.50																
	10.00			Slightly weathered, weak, dark brownish red and yellowish white, fine to medium grained, massive rock 12.00 to 16.00m	10.50	9.00	10.50	CORE	-	-	-	-	86.66	49.33			
	10.50																
11.00																	
11.50	12.00			10.50	12.00	CORE	-	-	-	-	98.00	92.66					
12.00																	
12.50																	
13.00			Slightly weathered, weak, dark brownish red, fine to medium grained, rock with wide spacing of discontinuities	13.50	12.00	13.50	CORE	-	-	-	-	94.66	94.66				
13.50																	
14.00																	
14.50			15.00	13.50	15.00	CORE	-	-	-	-	82.66	74.66					
15.00																	
15.50																	
16.00			Slightly weathered, weak, dark brownish red, fine to medium grained, rock with wide spacing of discontinuities	16.50	15.00	16.50	CORE	-	-	-	-	75.33	28.66				
16.50																	
<b>16.00 to 16.50m</b>																	

# K.C.T. Consultancy Services®

Project : TELANGANA STPP ST-II

Bore Hole No. : DBH-117

Location : Telangana

Depth of Termination : 12.0 M

Co-ordinates: E 2958, N 1268

Reduced level: 146.085 m

Depth of Water Table : Encountered at 1.15m depth during investigation

Date of Start: 15-03-2024

Date of Completion: 15-03-2024

Diameter of Bore: 150mm and NX size

Bit Used: Soil Surface Bit and NX Size

## BORE LOG DATA SHEET

Method of Boring	Depth of Sample m	Soil Description	Depth of Sample m	Drill Run		Type of Sample	SPT N Value/Penetration of S.S.S				Core Recovery (%)	RQD (%)	Remarks
				From m	To m		N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	N			
Rotary drilling method	0.00	Dark brownish red, fine to very fine grained, clayey sand with occasional to much gravels (SC) <b>0.00 to 1.95m</b>  Light pinkish yellow, fine to coarse grained, clayey sand with much graves (SC) <b>1.95 to 3.50m</b>  Slightly weathered, weak Light pinkish red, fine to medium grained, rock with moderately close spacing of discontinuities <b>3.50 to 6.00m</b>  Moderately weathered, weak, dark brownish red, fine to medium grained, rock with moderately close spacing of discontinuities <b>6.00 to 7.50m</b>  Slightly weathered, weak, light yellowish and light reddish, fine to medium grained, massive rock <b>7.50 to 11.00m</b>  Highly weathered, weak, light yellowish white, fine to medium grained, fractured rock <b>11.00 to 12.00m</b>	0.00	0.00	1.50	DS	-	-	-	-	-	-	-
	0.50		0.00	1.50	3.00	SPT	15	27	34	61	-	-	-
	1.00		1.50	3.00	3.95	SPT	17	29	41	70	-	-	-
	1.50		3.00	4.50	CORE	-	-	-	-	-	85	25	-
	2.00		4.50	6.00	CORE	-	-	-	-	-	74.00	24.00	-
	2.50		6.00	7.50	CORE	-	-	-	-	-	91.33	82.66	-
	3.00		7.50	9.00	CORE	-	-	-	-	-	94.00	72.00	-
	3.50		9.00	10.50	CORE	-	-	-	-	-	72.00	41.33	-
	4.00		10.50	12.00	CORE	-	-	-	-	-	37.00	-	-
	4.50		11.00										
	5.00		11.50										
	5.50		12.00										
	6.00												
	6.50												
	7.00												
	7.50												
8.00													
8.50													
9.00													
9.50													
10.00													
10.50													
11.00													
11.50													
12.00													

# K.C.T. Consultancy Services®

Project : TELANGANA STPP ST-II

Bore Hole No. : DBH-118

Location : Telangana

Depth of Termination : 20.0 M

Co-ordinates: E 2464, N 1231

Reduced level: 146.566 M

Depth of Water Table : Encountered at 1.05 m depth during investigation

Date of Start: 09-03-2024

Date of Completion: 11-03-2024

Diameter of Bore: 150mm and Nx size

Bit Used: Soil Surface Bit and NX Size

## BORE LOG DATA SHEET

Method of Boring	Depth m	Casing	Notation	Soil Description	Depth of Sample m	Drill Run		Type of Sample	SPT N Value/Penetration of S.S.S				Core Recovery (%)	RQD (%)	Remarks				
						From m	To m		N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	N							
Rotary drilling method	0.00	Used		Reddish brown, fine to medium grained, clayey sand with occasional gravels (SC) <b>0.00 to 1.20m</b>	0.00	0.00	1.20	DS	-	-	-	-	-	-					
	0.50																		
	1.00																		
	1.50																		
	2.00																		
	2.50																		
	3.00						Highly weathered, moderately weak, light yellowish white, fine to medium grained, fractured rock <b>1.20 to 6.00m</b>	3.00	3.00	4.50	SPT	50/5 cm	-	-	>100	-	-		
	3.50																		
	4.00																		
	4.50								4.50	4.50	4.57	SPT	50/4 cm	-	-	>100	-	-	
	5.00																		
	5.50																		
	6.00			Moderately weathered, moderately strong, light pinkish white, fine to medium grained, rock with close spacing of discontinuities <b>6.00 to 7.50m</b>	6.00	4.57	6.00	CORE	-	-	-	-	48.00	6.66					
	6.50																		
	7.00																		
	7.50			Slightly weathered, moderately weak, dark brownish red, fine to medium grained, massive rock <b>7.50 to 9.00m</b>	7.50	6.00	7.50	CORE	-	-	-	-	93.33	74.00					
	8.00																		
	8.50																		
	9.00			Moderately weathered, moderately weak, whitish yellow and slightly greyish, fine to medium grained, rock with wide spacing of discontinuities <b>9.00 to 10.50m</b>	9.00	7.50	9.00	CORE	-	-	-	-	78.00	37.33					
	9.50																		
10.00																			
10.50			Moderately weathered, moderately weak, whitish yellow and slightly greyish, fine to medium grained, rock with very wide spacing of discontinuities <b>10.50 to 12.00m</b>	10.50	9.00	10.50	CORE	-	-	-	-	66.00	40.66						
11.00																			
11.50																			
12.00		Not used		Highly weathered, moderately weak, Dark brownish red, fine to medium grained, rock with wide spacing of discontinuities <b>12.00 to 15.00m</b>	12.00	10.50	12.00	CORE	-	-	-	-	26.66	12.66					
12.50																			
13.00																			
13.50																			
14.00																			
14.50																			
15.00						Moderately weathered, weak, whitish yellow, fine to medium grained, fractured rock <b>15.00 to 16.50m</b>	15.00	13.50	15.00	CORE	-	-	-	-	64.00	-			
15.50																			
16.00																			
16.50						Moderately weathered, weak, light brownish red fine to medium grained, rock with wide spacing of discontinuities <b>16.50 to 18.00m</b>	16.50	15.00	16.50	CORE	-	-	-	-	68.66	48.66			
17.00																			
17.50																			
18.00			Slightly weathered, moderately strong, dark brownish red, fine to medium grained, rock with moderately close spacing of discontinuities <b>18.00 to 19.00m</b>	18.00	16.50	18.00	CORE	-	-	-	-	90.00	16.66						
18.50																			
19.00																			
19.50																			
20.00				Moderately weathered, weak, dark brownish red and yellowish brown, fine to medium grained, rock with moderately wide spacing of discontinuities <b>19.00 to 20.00m</b>	20.00	18.00	20.00	CORE	-	-	-	-	66.00	41.00					

# K.C.T. Consultancy Services®

Project : TELANGANA STPP ST-II

Bore Hole No. : DBH-119

Location : CHIMNEY U#3

Depth of Termination : 25.0 m

Co-ordinates: E 2437, N 1210

Reduced level: 145.911 m

Depth of Water Table : Encountered at 0.65m depth during investigation

Date of Start: 07-02-2024

Date of Completion: 09-02-2024

Diameter of Bore: 150mm and Nx size

Bit Used: Soil Surface Bit and NX Size

## BORE LOG DATA SHEET

Method of Boring	Depth m	Casing	Notation	Soil Description	Depth of Sample m	Drill Run		Type of Sample	SPT N Value/Penetration of S.S.S				Core Recovery (%)	RQD (%)	Remarks			
						From m	To m		N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	N						
Rotary drilling method	0.00	Used	-	Yellowish brown, fine to very fine grained, clayey sand with occasional gravels <b>0.00 to 0.40m</b>	0.00	0.00	1.50	DS	-	-	-	-	-	-				
	0.50			Dark Pinkish red, fine to very fine grained, clayey sand with highly weathered, weak, completely fractured and disintegrated, friable sand stone <b>0.40 to 1.70m</b>														
	1.00																	
	1.50																	
	2.00																	
	2.50																	
	3.00						Highly weathered, weak, light brownish white, fine to medium grained, fractured rock <b>1.70 to 4.50m</b>	3.00	1.70	3.00	CORE	-	-	-	-	20.00	-	
	3.50																	
	4.00																	
	4.50																	
	4.50						Highly weathered, moderately weak, brownish red, fine to medium grained, rock with very close spacing of discontinuities <b>4.50 to 6.00m</b>	4.50	3.02	4.50	CORE	-	-	-	-	27.33	6.66	
	5.00																	
	5.50																	
	6.00																	
	6.00						Highly weathered, weak, brownish red and greyish, fine to very fine grained, fractured rock <b>6.00 to 7.50m</b>	6.00	4.52	6.00	CORE	-	-	-	-	18.00	-	
	6.50																	
	7.00																	
	7.50																	
	8.00																	
	8.50																	
	9.00																	
	9.00						Highly weathered, moderately weak, brownish red, fine to very fine grained, fractured rock <b>7.50 to 12.00m</b>	9.00	7.50	9.00	CORE	-	-	-	-	48.66	-	
	9.50																	
	10.00																	
	10.50																	
11.00																		
11.50																		
12.00																		
12.50																		
13.00																		
13.50				Highly weathered, weak, brownish red, fine to very fine grained, fractured rock <b>12.00 to 15.00m</b>	13.50	12.00	13.50	CORE	-	-	-	-	74.00	7.33				
14.00																		
14.50																		
15.00																		
15.00				Moderately weathered, moderately weak, brownish red, fine to medium grained, fractured rock <b>15.00 to 16.50m</b>	15.00	13.50	15.00	CORE	-	-	-	-	91.33	-				
15.50																		
16.00																		
16.50																		
17.00																		
17.50																		
18.00																		
18.00				Moderately weathered, weak, brownish red and whitish yellow, fine to medium grained, fractured rock <b>16.50 to 21.00m</b>	18.00	16.50	18.00	CORE	-	-	-	-	80.00	-				
18.50																		
19.00																		
19.50																		
20.00																		
20.50																		
21.00																		
21.00				Moderately weathered, weak, whitish yellow, fine to medium grained, fractured rock <b>21.00 to 22.50m</b>	21.00	19.50	21.00	CORE	-	-	-	-	80.00	-				
21.50																		
22.00																		
22.50																		
23.00																		
23.50																		
24.00																		
24.00				Moderately weathered, moderately weak, brownish red, fine to very fine grained, fractured rock	24.00	22.50	24.00	CORE	-	-	-	-	90.00	6.66				
24.50																		
25.00																		
					25.00	24.00	25.00	CORE	-	-	-	-	84.00	-				

For KCT Consultancy Services.,

22.0 to 25.00m

Fig. No.

(Dr. K K Thaker)

( )

### K.C.T. Consultancy Services®

Project : TELANGANA STPP ST-II

Bore Hole No. : DBH-120

Location : Telangana

Depth of Termination : 10.50 m

Co-ordinates: E 2481, N 1545

Reduced level: 145.786 m

Depth of Water Table : Encountered at 1.31m depth during investigation


Date of Start: 10-03-2024

Date of Completion: 11-03-2024

Diameter of Bore: 150mm and Nx size

Bit Used: Soil Surface Bit and NX Size

#### BORE LOG DATA SHEET

Method of Boring	Depth of m	Casing	Notation	Soil Description	Depth of Sample m	Drill Run		SPT N Value/Penetration of S.S.S				Core Recovery (%)	RQD (%)	Remarks																																																																																																										
						From m	To m	N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	N																																																																																																													
Rotary drilling method	0.00	Used		Dark brownish grey, fine to coarse grained, silty sand with occasional gravels (SM) 0.00 to 0.40m	0.00	0.00	1.50	-	-	-	-	-	-																																																																																																											
	0.50				0.40	Yellowish brown, fine to medium grained, clayey sand with gravels (SC) 0.40 to 1.60m	1.50	1.50	3.00	-	-	-	-		-	-																																																																																																								
	1.00				Dark reddish brown and greyish, very fine grained, clays of high plasticity with gravels (CH) 1.60 to 3.50m												3.00	4.50	-	-	-	-	-	-	-																																																																																															
	1.50																									Reddish yellow, fine to coarse grained, clayey sand with much gravels (SC) 3.50 to 4.60m	4.50	4.64	61/4cm	-	-	-	-	-	-																																																																																					
	2.00																																			Highly weathered, weak, dark brownish red, fine to medium grained, massive rock 4.60 to 7.20m	6.00	4.64	6.00	-	-	-	-	66.42	66.42																																																																											
	2.50																																													Slightly weathered, weak, dark brownish, red, fine to medium grained, massive rock	7.50	6.00	7.50	-	-	-	-	98.66	98.66																																																																	
	3.00																																																							7.20 to 10.50m	9.00	7.50	9.00	-	-	-	-	96.66	87.33																																																							
	3.50																																																																	10.50	9.00	10.50	-	-	-	-	-	92.66	90.00																																													
	4.00																																																																																																																							
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# K.C.T. Consultancy Services<sup>®</sup>

Project : TELANGANA STPP ST-II

Bore Hole No. : DBH-121

Location : Telangana

Depth of Termination : 10.0 m

Co-ordinates : E 2481, N 1531

Reduced level: 145.862 m

Depth of Water Table : Encountered at 1.20m depth during investigation

Date of Start: 10-03-2024

Date of Completion: 12-03-2024

Diameter of Bore: 150mm and Nx size

Bit Used: Soil Surface Bit and NX Size

## BORE LOG DATA SHEET

Method of Boring	Depth m	Casing	Notation	Soil Description	Depth of Sample m	Drill Run		Type of Sample	SPT N Value/Penetration of S.S.S				Core Recovery (%)	RQD (%)	Remarks			
						From	To		N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	N						
						m	m											
Rotary drilling method	0.00	Used		Brownish, fine to medium grained, filled sandy clays of low plasticity <b>0.00 to 0.30m</b>	0.00	0.00	1.50	DS	-	-	-	-	-	-				
	0.50																	
	1.00																	
	1.50																	
	2.00																	
	2.50																	
	3.00																	
	3.50																	
	4.00																	
	4.50																	
	5.00		Not used		<b>FILLED UP</b>	1.50	1.50	2.60	SPT	3	3	3	6	-	-			
	5.50																	
	6.00																	
	6.50																	
	7.00																	
	7.50																	
	8.00																	
	8.50																	
	9.00																	
	9.50																	
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19.50																		
20.00																		
				<b>19.00 to 20.00m</b>														

K.C.T CONSULTANCY SERVICES, AHMEDABAD

Project: <u>NTPC</u>	Started on: <u>12/3/24</u>
Method of Boring: <u>Hydraulic</u>	Completed on: <u>12/3/24</u>
Location: <u>Ramagundam</u>	Chainage:
BH-No: <u>122</u>	Water Table: <u>1.33M</u>
Depth of Termination: <u>5.70M (2.00M)</u>	Reference Level: <u>145.730</u>
Casing: <u>5.70M</u>	

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.00	Brownish fine to fine silty clay with gravel fill up (0.00 to 0.40M)		0.00	DS	-	-	-	-			
1.50	Greyish fine to fine grained silty sandy with little gravel.		2.05	SPT	2	2	3	5			
3.00	DO but <sup>brownish</sup> Much gravel <del>(0.40 to 3.00M)</del>		3.00	VDS	-	-	-	-			
4.50	Redish Brown fine to fine grained silty sandy formation soft Rock (0.40 to 4.60M)		4.50	<del>DS</del> Rock SPT 3cm	>	>	>	>100			NIR SPT
6.00	Redish brown fine to fine coarse grained silty soft Rock		6.00	Rock	-	-	-	-			
7.50	DO		7.50	Rock	-	-	-	-			
9.00	DO		9.00	Rock	-	-	-	-			
10.50	DO		10.50	Rock	-	-	-	-			
12.00	DO		12.00	Rock	-	-	-	-			

Signature of Site Engineer: Avinash Singh      Signature of Client: \_\_\_\_\_

E-2458  
N-1494

K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project: <b>NTPC</b>						Started on: <b>09/01/24</b>					
Method of Boring: <b>Hydraulic Machine</b>						Completed on: <b>13/01/24</b>					
Location: <b>Ramagundam</b>						Chainage:					
Bit-No: <b>DBH-123</b>						Water Table: <b>1.80m</b>					
Depth of Termination: <b>20.00m</b>						Reference Level: <b>145.622</b>					
Casing: <b>5.80m</b>											
Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.00	Brownish fine to fine grained silty sandy clay with gravel. (0.00 to 0.30m)		0.00	DS	-	-	-	-			
1.50	Ureyish brown fine to fine grained silty clay some sand with little gravel.		1.50	SPT	5	7	9	16			
3.00	DO (0.30 to 3.10m)		3.00	$\frac{NDS}{SPT}$	10	15	27	42			
4.50	Reddish yellowish fine to fine grained silty sandy clay with gravel. (3.10 to 4.50m)		4.50	SPT	30	$\frac{50}{23}$	7	87			
6.00	Redish Brown fine to fine coarse grained silty sandy fractured soft rock		6.00	Rock	-	-	-	-	30%	0.00	
7.50	DO		7.50	Rock	-	-	-	-	24.00	0.00	
9.00	DO		9.00	Rock	-	-	-	-	43.33	38%	
10.50	DO		10.50	Rock	-	-	-	-	20%	0.00	
12.00	DO		12.00	Rock	-	-	-	-	32.26	0.00	
13.50	DO some gravel mix		13.50m	Rock	-	-	-	-	82.26	47.33	
15.00	DO		15.00m	Rock	-	-	-	-	90%	30%	
16.50	DO		16.50m	Rock	-	-	-	-	70%	46%	
18.00	DO		18.00m	Rock	-	-	-	-	79.33	47.33	
20.00	DO		20.00m	Rock	-	-	-	-	59%	20%	
Signature of Site Engineer: <i>[Signature]</i>						Signature of Client:					

**K.C.T. Consultancy Services®**

Project : TELANGANA STPP ST-II

Bore Hole No. : DBH-124

Location : Telangana

Depth of Termination : 12.0 M

Co-ordinates: E 2477, N 1478

Reduced level: 145.737 m

Date of Start: 09-03-2024

Date of Completion: 10-03-2024

Diameter of Bore: 150mm and NX size

Bit Used: Soil Surface Bit and NX Size

Depth of Water Table : Encountered at 1.28 m depth during investigation

**BORE LOG DATA SHEET**

Method of Boring	Depth of Boring m	Casing Notation	Soil Description	Depth of Sample m	Drill Run		Type of Sample	SPT N Value/Penetration of S.S.S				Core Recovery (%)	RQD (%)	Remarks		
					From m	To m		N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	N					
Rotary drilling method	0.00		Brownish grey, fine to medium grained, silty sand with gravels (SM) 0.00 to 0.30m	0.00	0.00	1.50	DS	-	-	-	-	-	-			
	0.50		Yellowish brown, fine to very fine grained clays of high plasticity with little gravels (CH) 0.30 to 2.50m	1.50	1.50	3.00	SPT	5	6	6	12	-	-	-		
	1.00															
	1.50															
	2.00															
	2.50															
	3.00			Reddish brown, fine to medium grained, sandy clays of low plasticity with much gravels (CL) 2.50 to 4.60m	3.00	3.00	4.50	SPT	5	8	12	20	-	-		
	3.50															
	4.00															
	4.50				4.50	4.50	4.60	SPT	51/10 cm	-	-	>100	-	-		
	5.00			Highly weathered, weak, dark brownish and light whitish yellow, fine to medium grained, rock with close spacing of discontinuities 4.60 to 7.50m	6.00	4.60	6.00	CORE	-	-	-	-	92.71	16.43		
	5.50															
6.00																
6.50																
7.00																
7.50			Highly weathered, very weak, dark brownish, fine to medium grained, fractured rock 7.50 to 9.00m	7.50	6.00	7.50	CORE	-	-	-	-	20.66	-			
8.00																
8.50																
9.00			Moderately weathered, weak, dark brownish red, fine to very fine grained, rock with wide spacing of discontinuities 9.00 to 10.50m	9.00	7.50	9.00	CORE	-	-	-	-	59.33	40.00			
9.50																
10.00																
10.50				10.50	9.00	10.50	CORE	-	-	-	-	79.33	48.66			
11.00			Slightly weathered, strong, dark pinkish, fine to medium grained, rock with close spacing of discontinuities	12.00	10.50	12.00	CORE	-	-	-	-	68.66	48.66			
11.50																
12.00																
													10.50 to 12.00m			

# K.C.T. Consultancy Services®

Project : TELANGANA STPP ST-II

Bore Hole No. : DBH-125

Location : Telangana

Depth of Termination : 10.0 m

Co-ordinates: E 2441, N 1451

Reduced level: 145.125 m

Depth of Water Table : Encountered at 1.50m depth during investigation

Date of Start: 09-03-2024

Date of Completion: 09-03-2024

Diameter of Bore: 150mm and Nx size

Bit Used: Soil Surface Bit and NX Size

## BORE LOG DATA SHEET

Method of Boring	Depth of Sample m	Soil Description	Depth of Sample m	Drill Run		Type of Sample	SPT N Value/Penetration of S.S.S				Core Recovery (%)	RQD (%)	Remarks		
				From m	To m		N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	N					
Rotary drilling method	0.00	Filled up Reddish brown, fine to coarse grained, clayey sand with gravel and rock fragments <b>0.00 to 0.60m</b>	0.00	1.50	DS	-	-	-	-	-	-	-	-		
	0.50		Light reddish, fine to coarse grained, clayey sand with some gravels (SC) <b>0.60 to 1.90m</b>	1.50	2.60	SPT	10	15	21	36	-	-	-	-	
	1.00			Light pinkish, fine to medium grained, clayey sand with occasional gravels (SC) <b>1.90 to 3.60m</b>	2.00	3.60	SPT	7	17	50	>100	-	-	-	-
	1.50	Highly weathered, weak, dark brownish red, fine to medium grained, fractured rock <b>3.60 to 7.50m</b>	2.50		4.50	Core	-	-	-	-	12.22	-	-	-	
	2.00		Highly weathered, very weak, light brownish white, fine to medium grained, fractured rock	3.00	6.00	Core	-	-	-	-	12.00	-	-	-	
	2.50			6.40	7.50	CORE	-	-	-	-	18.00	-	-	-	
	3.00			7.50	10.00	CORE	-	-	-	-	34.00	-	-	-	
	3.50	7.50 to 10.00m		3.50	10.00	CORE	-	-	-	-	24.00	-	-	-	
	4.00			Not used	4.00	9.00	CORE	-	-	-	-	-	-	-	-
	4.50				8.00	CORE	-	-	-	-	-	-	-	-	-
	5.00				7.50	CORE	-	-	-	-	-	-	-	-	-
	5.50				7.00	CORE	-	-	-	-	-	-	-	-	-
	6.00				6.50	CORE	-	-	-	-	-	-	-	-	-
	6.50				6.00	CORE	-	-	-	-	-	-	-	-	-
	7.00				5.50	CORE	-	-	-	-	-	-	-	-	-
	7.50	5.00	CORE	-	-	-	-	-	-	-	-	-			
8.00	4.50	CORE	-	-	-	-	-	-	-	-	-	-			
8.50	4.00	CORE	-	-	-	-	-	-	-	-	-	-			
9.00	3.50	CORE	-	-	-	-	-	-	-	-	-	-			
9.50	3.00	CORE	-	-	-	-	-	-	-	-	-	-			
10.00	2.50	CORE	-	-	-	-	-	-	-	-	-	-			

### K.C.T. Consultancy Services®

Project : TELANGANA STPP ST-II

Bore Hole No. : DBH-126

Location : Telangana

Depth of Termination : 10.0 m

Co-ordinates: E 2459, N 1412

Reduced level: 145.625 m

Depth of Water Table : Encountered at 1.60m depth during investigation

Date of Start: 08-03-2024

Date of Completion: 09-03-2024

Diameter of Bore: 150mm and Nx size

Bit Used: Soil Surface Bit and NX Size

#### BORE LOG DATA SHEET

Method of Boring	Depth of m	Casing	Notation	Soil Description	Depth of Sample		Drill Run		Type of Sample	SPT N Value/Penetration of S.S.S				Core Recovery (%)	RQD (%)	Remarks		
					From m	To m	From m	To m		N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	N					
Rotary drilling method	0.00	Used		Reddish brown, fine to medium grained, filled up clayey sand with occasional gravels 0.00 to 0.40m	0.00	1.50	0.00	1.50	DS	-	-	-	-	-	-	-		
	0.50				1.50	1.50	2.60	DS	-	-	-	-	-	-	-	-	-	
	1.00				1.50	1.50	2.40m	Core	-	-	-	-	-	-	-	-	-	-
	2.00				3.00	2.60	Highly weathered, weak, dark reddish fine to medium grained, fractured rock 2.40 to 4.50m	Core	-	-	-	-	-	-	-	-	-	-
	2.50				3.50	4.50	Highly weathered, weak, dark reddish fine to medium grained, rock with closely spacing of discontinuities 4.50 to 6.00m	Core	-	-	-	-	-	-	-	-	-	-
	3.00				4.00	6.00	Highly weathered, very weak and friable, dark brownish and red, fine to medium grained, fractured rock 6.00 to 7.50m	Core	-	-	-	-	-	-	-	-	-	-
	3.50				4.50	6.40	Highly weathered, weak, dark brownish red and white, fine to medium grained, fractured rock 7.50 to 8.50m	CORE	-	-	-	-	-	-	-	-	-	-
	4.00				5.00	7.00	Highly weathered, weak, dark brownish red and white, fine to medium grained, rock with close spacing of discontinuities 8.50 to 9.10m	CORE	-	-	-	-	-	-	-	-	-	-
	4.50				5.50	7.50	Highly weathered, light brownish white, fine to medium grained, fractured rock	CORE	-	-	-	-	-	-	-	-	-	-
	5.00				6.00	9.00	<b>9.10 to 10.00m</b>		9.00	10.00	7.50	9.00	CORE	-	-	-	-	35.00
5.50	6.50	10.00	9.00	10.00	CORE	-			-	-	-	-	-	26.00	-			

1071-01  
DBH-128

E-2315

K.C.T CONSULTANCY SERVICES, AHMEDABAD	
Project: - <u>NTPC</u>	Started on: - <u>11-03-24</u>
Method of Boring: - <u>Hydraulic Drilling</u>	Completed on: - <u>11-03-24</u>
Location: - <u>Ramagudam</u>	Chainage:
BH-No. - <u>128</u>	Water Table: <u>1.10 m</u>
Depth of Termination: - <u>12.00 m</u>	Reference Level: <u>145.937</u>
Casing: - <u>3.00 m</u>	

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.00	Reddish brown fine to grained clayey sand with - 0.8.		0.00	Ds	-	-	-	-	-		
1.60	0.00 to 1.60		1.50	SPT	25	40	50	100			N.R SPT
3.00	Reddish brown <sup>white mix</sup> coarse to fine grained sand Stone with fracture rock		3.00	Rock SPT	50	60		100	18.57	10.71	N.R SPT
4.50	Do		4.50	Rock							40.66
6.00	Do		6.00	Rock							60.66 46.66
7.50	Do		7.50	Rock							53.33 32.00
9.00	Do		9.00	Rock							42.33 29.33
10.50	Do		10.50	Rock							86.66 80.66
12.00	Do		12.00	Rock							71.33 46.00

Signature of Site Engineer: Anil Kumar Sahani  
11/03/24

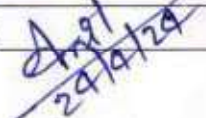
Signature of Client: \_\_\_\_\_

DBH-129  
BNT-PSOL

N-1196  
E-2200

K.C.T CONSULTANCY SERVICES, AHMEDABAD	
Project: - NTPC	Started on: - 24/4/24
Method of Boring: - Hydraulic Drilling	Completed on: - 24/4/24
Location: - Ramagudam	Chainage:
BH-No. - DBH-129	Water Table: 3.10 mt
Depth of Termination: - 12 mt	Reference Level: 151.354
Casing: - 6.00 mt	

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.00	Blackish brown fine to grained clayey sh		0.00	DS	-	-	-	-	-	-	
↓	filled up										
0.50	(0.00 to 0.50) mt										
	Reddish brown fine to grained clayey sand with rock mix 9.8 and soft		1.50	SPT	8	10	19	29			
	(0.50 to 1.95) mt										
2.00	Do		3.00	UDS SPT	7	13	17	30			N.R UDS
	(1.95 to 3.50) mt										
	Brownish fine to white grained clayey sand with soft silt mix		4.50	SPT	8	12	19	31			
	(3.50 to 4.95) mt										
6.00	Do		6.00	UDS SPT	57	>	>	100			N.R UDS
	(4.95 to 6.20) mt										
	Reddish brown fine to coarse sand stone with fracture rock		7.50	Rock SPT	55	>	>	100	3.84		N.R SPT
	(6.20 to 7.50) mt										
9.00	Do		9.00	Rock SPT	58	>	>	100	20.00		N.R SPT
	(7.50 to 9.00) mt										
10.50	Do		10.50	Rock SPT	50	>	>	100	22.00		N.R SPT
	(9.00 to 10.50) mt										
12.00	Do		12.00	Rock					32.00	16.66	
	(10.50 to 12.00) mt										

Signature of Site Engineer  
  
 24/4/24

Signature of Client

N → 1204  
E → 2142

BN7-05

K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project : <u>NTPC</u>						Started on : <u>23/04/24</u>					
Method of Boring : <u>HYDRULIC DRILLING</u>						Completed on : <u>23/04/24</u>					
Location : <u>RAMAGUNDAM</u>						Chainage :					
BH-No : <u>130</u>						Water Table : <u>4.50M</u>					
Depth of Termination : <u>15M</u>						Reference Level : <u>151.422</u>					
Casing : <u>3M</u>											
Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.0	Blackish Brown fine to medium grained silty CLAY with gravel. (0.0m to 0.40m)		0.0	DS	-	-	-	-			
1.5	Reddish Brown fine to medium grained sandy CLAY with gravel. (0.40m to 2.10m)		1.5	SPT	7	14	16	30			
3.0	Reddish white fine to medium grained clay SAND with gravel		3.0	SPT	8	10	12	22			
4.5	← DO → (2.10m to 5.80m)		4.5	SPT	9	12	14	26			
6.0	Reddish white fine to medium grained SAND STONE		6.0	ROCK SPT	50	-	-	7100	15%	0%	N/R
7.5	← DO →		7.5	ROCK SPT	50	-	-	7100	9%	0%	N/R
9.0	← DO →		9.0	ROCK SPT	50	-	-	7100	15%	0%	N/R
10.5	← DO →		10.5	ROCK SPT	50	-	-	705	17%	0%	N/R
12.0	← DO →		12.0	ROCK	-	-	-	-	21%	0%	
13.5	← DO →		13.5	ROCK	-	-	-	-	23%	0%	
15.0	← DO →		15.0	ROCK	-	-	-	-	48%	38%	
Signature of Site Engineer <u>S. Mandal</u>						Signature of Client					

BNT-PSOL  
DBH-131

N-1173  
E-2084

K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project: - NTR						Started on: - 23/4/24					
Method of Boring: - Hydraulic Drilling						Completed on: - 23/4/24					
Location: - Ramagudam						Chainage:					
BH-No: - DBH-131						Water Table: 4.90 m					
Depth of Termination: - 12 m						Reference Level: 157.580					
Casing: - 7.50 m											
Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.00	Brownish muddy Gray fine to grained clayey soil		0.00	DS	-	-	-	-	-	-	
1.20	← Filled up → (0.00 to 1.20) m										
	Brownish red light fine to grained clayey sand with little g.		1.50	SPT	11	15	21	36			
	(1.20 to 1.95) m										
3.00	DO		3.00	US/SPT	14	19	23	42			N.R US
4.50	DO		4.50	SPT	13	22	29	51			
6.00	Brownish yellow mix fine to grained sandy clay soil with g. mix		6.00	US/SPT	15	23	33	56			N.R SD
6.00	(4.50 to 6.00) m										
7.50	Brownish red light fine to grained clayey sand with soft rock		7.50	SPT	50	>	>	100			
7.50	(6.00 to 7.50) m										
9.00	DO		9.00	Rock					33.57	19.28	
10.50	DO		10.50	Rock					58.00	29.32	
12.00	DO		12.00	Rock					66.14	35.32	
Signature of Site Engineer						Signature of Client					

*[Signature]*  
23/4/24

Sitted Consolidate  
 N - 2074328  
 E - 338472

BNT - PS01  
DBH - 132

N - 1086  
 E - 2171

K.C.T CONSULTANCY SERVICES, AHMEDABAD	
Project: - NTPC	Started on: - 25/9/24
Method of Boring: - Hydraulic Drilling	Completed on: - 26/9/24
Location: - Ramagudam	Chainage:
BH-No: - DBH-132	Water Table: 8.26 mt
Depth of Termination: - 10 mt	Reference Level: 54.476
Casing: - 6.00 mt	

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.00	filled up soil		0.00	SS	-	-	-	-	-	-	
0.60	(0.00 to 0.60) mt										
1.95	Reddish brown fine to grained clayey sand soil o.g.		1.50	SPT	3	4	5	9			
1.95	(0.60 to 1.95) mt										
3.45	yellowish brown fine to grained sandy clay soil with o. gravel		3.00	WDS SPT	5	5	7	12			N.R. WDS
3.45	(1.95 to 3.45) mt										
4.95	Brownish white red mix fine to grained sandy clay soil with gravel mix		4.50	SPT	13	17	18	35			
4.95	(3.45 to 4.95) mt										
6.00	Do (4.95 to 6.30) mt		6.00	WDS SPT	57 > 11cm			> 100			N.R. WDS
7.50	Reddish brown coarse to fine sand stone with fracture rock		7.50	Rock					61.66	20.00	
7.50	(6.30 to 7.50) mt										
9.00	Do		9.00	Rock					52.64	13.33	
10.00	Do		10.00	Rock					65.00	38.00	

Signature of Site Engineer  
 26/9/24

Signature of Client

DBH-133

Date - 23/4/24  
BNT-01

KCT CONSULTANCY SERVICES, AHMEDABAD

Project: NTPC

Method of Boring: Hydraulic Drilling

Started on: 23/4/24

Location: Ramgandam

Completed on: 23/4/24

BH-NO DBH-133

Chainage:

Depth of Termination: 12.00 m. (12.0 m)

Water Table: 4.60 m

Casing: 4.50 m

Reference Level:

E-2121 / N-1052

Depth in m	Description	Drill Run Time	Depth of sample in m	Types of Sample	N1	N2	N3	N Value	C.R %	RQD	Remark
0.0	Brownish blue fine to medium grained sandy clay and gravel. (Rilled up soil)		0.0	DS	-	-	-	-			
1.50	← DO → (0.0 m to 1.80 m)		1.50	SPT	3	5	6	14			
3.00	Brownish light Red fine to very fine grained sandy clay with gravel.		3.00	SPT	5	7	8	15			
4.50	(1.80 m to 3.50 m)		4.50	SPT DS	50			>100			
4.50	Brownish Red fine to coarse grained sand and soft rock.										
6.00	(3.50 m to 4.60 m)		6.00	Rock SPT	50			210	12.0	0.0	N/R SPT
7.50	← DO →		7.50	Rock					28.0	16.16	
9.00	← DO →		9.00	Rock					34.61	7.33	
10.50	← DO →		10.50	Rock					39.33	0.0	
12.00	← DO →		12.00	Rock					47.33	21.00	

Signature of Site Engineer

Signature of Client

*[Handwritten Signature]*

N → 1016  
E → 2163

BNT-05

KCT CONSULTANCY SERVICES, AHMEDABAD

Project: NTPC  
 Method of Boring: HYDRAULIC DRILLING  
 Location: PAMAGUNDAM  
 BH-NO: DBH-134  
 Depth of Termination: 12 M  
 Casing: 3 M  
 Started on: 26/04/24  
 Completed on: 26/04/24  
 Chainage:  
 Water Table: 3.05 M  
 Reference Level: 151.105

Depth in m	Description	Drill Run Time	Depth of sample in m	Types of Sample	N1	N2	N3	N Value	C.R %	RQD	Remark
0.0	Blackish Brown fine to medium grained CLAY with COAL (0.0m to 0.30m)		0.0	DS	-	-	-	-			
1.5	Brownish white fine to medium grained SAND with morum		1.5	SPT	14	$\frac{50}{14cm}$	-	7100			
3.0	← DO →		3.0	SPT	12	20	39	59			
4.5	← (Redish) → (0.30m to 5.60m)		4.5	SPT	30	$\frac{50}{10cm}$	-	7100			
6.0	Redish white fine to medium grained SAND STONE		6.0	ROCK SPT	$\frac{50}{5cm}$	-	-	7100			
7.5	← DO →		7.5	ROCK	-	-	-	-	24%	0%	
9.0	← DO →		9.0	ROCK	-	-	-	-	44%	0%	
10.5	← DO →		10.5	ROCK	-	-	-	-	48%	14%	
12.0	← DO → (5.60m to 12.00m)		12.0	ROCK	-	-	-	-	54%	12%	

Signature of Site Engineer S. Mandel

Signature of Client

E → 2166

BNT-05

N → 980

~~R-L NOT GIVEN~~

K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project: NTPC						Started on: 25/09/24					
Method of Boring: HYDRULIC DRILLING						Completed on: 25/09/24					
Location: PAMA GUN DAM						Chainage:					
BH-No: DBH-136						Water Table: 3.10 M					
Depth of Termination: 10M						Reference Level: 152.206					
Casing: 3 M											
Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.0	Blackish Brown fine to medium grained CLAY with COAL (0.0m to 0.40 m)		0.0	DS	-	-	-	-			
1.5	Brownish fine to medium grained CLAY with gravel.		1.5	SPT	10	12	14	28			
3.0	← DO → (0.40m to 3.30 m)		3.0	$\frac{UDS}{DS}$	-	-	-	-			
4.5	Brownish white fine to medium grained SAND with gravel.		4.5	SPT	15	30	55	85			
6.0	← DO → (Rabish) (3.30m to 6.40m)		6.0	SPT $\frac{50}{12cm}$	-	-	-	7100			
7.5	Reddish Brown fine to medium grained SAND STONE		7.5	ROCK $\frac{50}{5cm}$ SPT	-	-	-	7100	14% OY.		
9.0	← DO →		9.0	ROCK	-	-	-	-	30% OY.		
10.0	← DO → (6.40m to 10.00m)		10.0	ROCK	-	-	-	-	34% OY.		
Signature of Site Engineer S. Mandal						Signature of Client					

E-72286

BNT-05

N-7987

## KCT CONSULTANCY SERVICES, AHMEDABAD

Project: NTPC

Method of Boring: HYDRULIC DRILLING

Started on: 27/04/24

Location: RAMAGUNDAM

Completed on: 27/04/24

BH-NO: DBH-137

Chainage:

Depth of Termination: 10M

Water Table: 3.10M

Casing: 3M

Reference Level: 150.00

Depth in m	Description	Drill Run Time	Depth of sample in m	Types of Sample	N1	N2	N3	N Value	C.R %	RQD	Remark
0.0	Blackish Brown fine to coarse grained CLAY with concrete, grout. (0.0m to 0.60m filled up)		0.0	DS	-	-	-	-	-	-	-
1.5	Reddish Brown fine to medium grained SAND with medium		1.5	SPT	10	18	30	48			
3.0	← DO →		3.0	UDS	-	-	-	-			
4.5	← DO → (0.60m to 4.70M)		4.5	SPT	50	-	-	7100			
6.0	Reddish Brown fine to medium grained SAND STONE		6.0	ROCK	-	-	-	-	42/81		
7.5	← DO →		7.5	ROCK	-	-	-	-	56/161		
9.0	← DO →		9.0	ROCK	-	-	-	-	64/201		
10.0	← DO → (4.70m to 10.00m)		10.0	ROCK	-	-	-	-	73/331		

Signature of Site Engineer S. Mandal

Signature of Client

DBH-138  
BNT-PS02

Local Coordinate

N- 989

E- 2383

K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project : - N.T.P.C						Started on : - 19-02-24					
Method of Boring : - Hydraulic Drilling						Completed on : 20-03-24					
Location : - Ramagudam						Chainage :					
BH-No - 138						Water Table :					
Depth of Termination : - 12 M						Reference Level : 148.644					
Casing : - 3.0 M											
Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.00	Reddish brown fine to grained sandy clay ↓ Soil with G.G. 1.20 (0.00 to 1.20) m		0.00	Ds							
1.20	Whitenash brown light fine to grained clayey sand with o.g. and soil ↓ fractures 1.80 (1.20 to 1.80) m		1.50	SPT	15	29	34	63			
1.80	Whitenash brown light grey fine to grained with soil fracture rock ↓ 3.00 (1.80 to 3.00) m		2.00	UTS SPT	34	50	70	> 100			
3.00	Reddish brown grey fine to coarsed sand stone and fracture rock ↓ 4.50 (3.00 to 4.50) m		4.50	ROCK	-	-	-	-	27%	0%	
4.50	← DO →		6.0	ROCK	-	-	-	-	38%	23%	
6.0	← DO →		7.5	ROCK	-	-	-	-	72%	57%	
7.5	← DO →		9.0	ROCK	-	-	-	-	38%	77%	
9.0	← DO →		10.5	ROCK	-	-	-	-	0%	77%	
10.5	← DO →		12.0	ROCK	-	-	-	-	73%	71%	
12.0	← DO → (3.0 m to 12.00 m)										
Signature of Site Engineer S. Peruda						Signature of Client					

Annul  
1.0m to 9.0m

DBH-139

KCT-01

KCT CONSULTANCY SERVICES, AHMEDABAD

Project: NTPC  
 Method of Boring: Hydraulic Drilling  
 Location: Ramojanlam  
 BH-NO: DBH-139  
 Depth of Termination: 10.50m  
 Casing: 3.0m  
 Started on: 3/04/2024  
 Completed on: 03/04/2024  
 Chainage:  
 Water Table: 1.60m  
 Reference Level: 149.318

E-2389/14850

Depth in m	Description	Drill Run Time	Depth of sample in m	Types of Sample	N1	N2	N3	N Value	C.R %	RQD	Remark
0.0	Brownish Red fine to medium grained sandy clay with gravels. (filled up soil) (0.0m to 0.80m)		0.0	OS							
1.50	Redish Brown fine to very fine grained sandy with soft Rock (0.80m to 2.50m)		1.50	SPT	50 14cm			>10 (R)			
3.00	Redish Brownish fine to coarse grained soft Sand Stone Rock with sand. (2.50m to 3.10m)		3.00	SPT	50 4cm			>10 (R)			
4.50	Redish Brownish fine to coarse grained Sand Stone Rock.		4.50	Rock					59.28		28.57
6.00	← DO →		6.00	Rock					82.0		52.66
7.50	← DO →		7.50	Rock					78.0		68.66
9.00	← DO →		9.00	Rock					88.0		66.66
10.50	← DO →		10.50	Rock					94.0		88.66

Signature of Site Engineer

Signature of Client

*[Handwritten Signature]*

DBH 143

K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project : - NTPC						Started on : - 02/03/24					
Method of Boring : - Hydraulic Drilling						Completed on : - 02/03/24					
Location : - Purvagraddam Talasjgana						Chainage :					
BH-No. - 143						Water Table : 1.60 m					
Depth of Termination : - 10.00 mt						Reference Level : 151.680					
Casing : - 5.00 mt						E+2491, N:-318					
Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.0	Redish Brown, fine to coarse grained, Silty Sand with clay & gravels.		0.0	DS	-	-	-	-			
	← filled up soil →										
0.0 mt to 0.30 mt											
1.50	Redish Brown, fine to medium grained, silty sand with gravels		1.50	SPT	2	3	4	7			
3.00	← DO →		3.00	UDS SPT	4	5	5	10			NR UDS
4.50	← DO →		4.50	SPT	12	18	32	50			
6.00	Redish Brown, fine to coarse grained. Sand stone with Soft Rock		6.00	ROCK SPT 50 / 5cm	-	-	-	>100			SPT OS NR
7.50	← DO →		7.50	ROCK	-	-	-	-			56.66% 20.00%
9.00	← DO →		9.00	ROCK	-	-	-	-			53.33% 26.00%
10.00	← DO →		10.00	ROCK	-	-	-	-			65.00% 25.00%

Signature of Site Engineer  
*[Signature]*  
 02/03/24

Signature of Client

Machine no:-02

DBH:-146

K.C.T CONSULTANCY SERVICES, AHMEDABAD	
Project :- NTPC	Started on : 03/03/24
Method of Boring :- Hydraulic Core Drilling	Completed on :
Location :- Rameswaram, Telangana	Chainage :
BH-No. :- 146	Water Table : 1.30m
Depth of Termination :- 15.00mt	Reference Level : 151.455
Casing :- 3.00mt	E :- 2579 , N :- 122

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
13.50	DO		13.50	Rock	-	-	-	-	22.00%	0.01	
15.00	DO		15.00	Rock	-	-	-	-	16.00%	13.33%	

Signature of Site Engineer H. Bal 03/03/24

Signature of Client

machine no :- 02

DBH :- 146

K.C.T CONSULTANCY SERVICES, AHMEDABAD

Project : NTPC	Started on : 03/03/2024
Method of Boring : HYDRULIC CORE DRILLING	Completed on : 03/03/2024
Location : RAMA GUNDAM	Chainage :
BH-No. DBH-146	Water Table : 1.30m
Depth of Termination : 15M	Reference Level : 151.455
Casing : 3.00m	E :- 2579 N :- 122

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.0	Brownish fine to coarse grained silty sandy CLAY with gravel and boulder (0.0m to 1.20m)		0.0	DS	-	-	-	-			
1.5	Reddish Brown fine to medium grained SAND		1.5	SPT	30	$\frac{50}{10cm}$	-	7100			
3.0	DO (1.20m to 3.50m)		3.0	SPT	45	$\frac{50}{7cm}$	-	7100			
4.5	Reddish white fine to medium grained SAND STONE (3.50m to 5.20m)		4.5	ROCK	-	-	-	-	67%	0%	
6.0	DO (Reddish)		6.0	ROCK	-	-	-	-	67%	0%	
7.50	DO		7.50	ROCK	-	-	-	-	31.33%	0.0%	
9.00	DO		9.00	ROCK	-	-	-	-	74.00%	36.00%	
10.50	DO		10.50	ROCK	-	-	-	-	96.66%	76.66%	
12.00	DO		12.00	ROCK	-	-	-	-	90.00%	78.00%	

Signature of Site Engineer

*Hiral*  
03/03/24

Signature of Client

DBH: -147

K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project: - NTPC						Started on: 05/03/24					
Method of Boring: - Hydraulic Drilling						Completed on: 07/03/24					
Location: - Ramagundam						Chainage:					
BH-No. - 147						Water Table: 7.10m					
Depth of Termination: - 13.50M						Reference Level: - 156.400					
Casing: - 8.00m						E-2585 N-2.284					
Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.0	grey blackish, fine to very fine grained, clay Ash with silty sand & clay ← filled up soil → (0.0m to 1.20m)		0.0	DS	-	-	-	-			
1.50	Redish Brown, fine to fine grained, silty sand (1.20m to 2.80m)		1.50	SPT	3	9	7	16			
3.00	Redish Brown whitish mix, fine to medium, silty sand with clay & gravels, (2.80m to 3.60m)		3.00	UDS SPT	5	5	8	13			NR UDS
4.50	Redish Brown, fine to medium grained, sand with sand stone (3.60m to 4.90m)		4.50	SPT	19	29	40 5cm	>100 (R)			
6.00	Redish Brown, fine to coarse grained sand stone with soft rock		6.00	Rock	-	-	-	-	21.87	1/-	
Signature of Site Engineer						Signature of Client					

*Hiral*  
07/03/24

BNT-02

DBH:-147

K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project: - NTPC						Started on: 05/03/24					
Method of Boring: - <del>Hydraulic Drilling</del>						Completed on: 07/03/24					
Location: - Ramagundam, Telangana						Chainage:					
BH-No: - 147						Water Table: 7.1m					
Depth of Termination: 13.50m						Reference Level: 156.400					
Casing: - 3.00m						E:-25.85 N:-2.284					
Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
7.50	DO		7.50	Rock	-	-	-	-	14.00%	-	
9.00	DO		9.00	Rock	-	-	-	-	12.66%	-	
10.50	DO		10.50	Rock	-	-	-	-	43.66%	-	
12.00	DO		12.00	Rock	-	-	-	-	16.00%	-	
13.50	DO		13.50	Rock	-	-	-	-	52.66%	-	
Signature of Site Engineer						Signature of Client					

*Handwritten signature*  
05/03/24

DBH 148

E = 2586  
N = - 137

K.C.T CONSULTANCY SERVICES, AHMEDABAD	
Project: NTPC	Started on: 02/03/2024
Method of Boring: Hydraulic Drilling	Completed on: 02/03/24
Location: Ramagundam	Chainage:
BH-No: DBH-148	Water Table: 4.70m
Depth of Termination: 12.00m	Reference Level: 154.730
Casing: 4.50m	E 2586 N -

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	CR. %	RQD	Remark
0.0	Light Brownish yellow fine to very fine grained silty clay with gravels (0.0m to 0.80m)		0.0	DS							
1.50	Light Brownish Red fine to coarse grained Sand with sdt Rocn.		1.50	SPT	12	50	-	>100			
3.00	← DO →		3.00	UDS SPT	18	50	-	>100			N/A
4.50	← DO → (0.80m to 4.70m)		4.50	SPT	50	4.6m	-	>100			
6.0	Brownish Red fine to coarse grained Sand Stone Rocn.		6.00	ROCN	-	-	-	-	53.0	0.0	
7.5	← DO →		7.5	ROCN	-	-	-	-	52.6	0.0	
9.00	← DO →		9.00	ROCN	-	-	-	-	94.6	82.0	
10.50	← DO →		10.50	ROCN	-	-	-	-	620	15.33	
12.0	← DO →		12.0	ROCN	-	-	-	-	90.0	78.6	

Signature of Site Engineer

Signature of Client

*[Handwritten Signature]*

BH-149

Machine No.:-

KCT 01

Project: <b>18 NPL</b>		K.C.T CONSULTANCY SERVICES, AHMEDABAD	
Method of Boring: <b>Hydraulic Drilling</b>		Started on: <b>27/02/2011</b>	
Location: <b>Ramagundam</b>		Completed on: <b>27/02/2011</b>	
BH-No: <b>149</b>		Chainage:	
Depth of Termination: <b>12.00M</b>		Water Table: <b>4.5M</b>	
Casing: <b>- 3.00M</b>		Reference Level: <b>156.600'</b>	
		<b>E: 2603 N: - 237</b>	

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.0	Brownish light yellow fine to very fine grained silty clay (0.0m to 0.70m)		0.0	DS	-	-	-	-			
1.50	Brownish gray fine to very fine grained silty clay with medium gravel. (0.70m to 1.90m)		1.5	SPT	5	12	15	27			
3.00	Brownish gray fine to medium grained sand and soft sand stone		3.0	DS	-	-	-	-			
4.5	DO (1.90m to 5.80m)		4.5	SPT	27	32	68	112	210		
6.0	Redish Brown fine to coarse grained soft sand stone rock		6.0	DS / SPT	50	-	-	100	210		N/R DS
7.5	DO (5.80m to 7.60m)		7.5	SPT / DS	50	-	-	100	210		N/R SPT
9.0	Redish Brown fine to coarse grained sand stone rock		9.0	Rock	-	-	-	-	53.57%	24.28%	
10.50	DO		10.50	Rock	-	-	-	-	20.66%	8.00%	
12.00	DO		12.00	Rock	-	-	-	-	41.33%	13.33%	

Signature of Site Engineer

Signature of Client



BNT-J

Project: <u>NTPC</u>		K.C.T CONSULTANCY SERVICES, AHMEDABAD	
Method of Boring: <u>-KAP Hydraulic Drilling.</u>		Started on: <u>02/03/2024</u>	
Location: <u>Ramagundam</u>		Completed on: <u>02/03/2024</u>	
BH-No: <u>DBH-150</u>		Chainage: <u></u>	
Depth of Termination: <u>10.00m</u>		Water Table: <u>4.80m (4.80m)</u>	
Casing: <u>4.5+</u>		Reference Level: <u>156.050</u>	
		E=2591 N=-314	

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
00	Blacvish gray fine to very fine grained silty clay with gravels (0.0m to 0.90m)		0.0	DS	-	-	-	-			
1.50	light yellowish white fine to very fine grained silty, sandy with gravels		1.50	SPT	7	19	27	46			
3.00	0.90m to 4.20m		3.00	UDS	-	-	-	-			
4.50	Reddish Brown fine to coarse grained sand and gravels with soft Roc.		4.5	SPT / DS	50 / 8cm	-	-	>100 (CR)			N/R SPT
6.00	Reddish Brown fine to coarse grained sand Stone Roc		6.00	Roc	-	-	-	57.66		32.5	
7.50			7.50	Roc	-	-	-	54.0		0.0	
9.00			9.00	Roc	-	-	-	60.0		1133	
10.00			10.00	Roc	-	-	-	69.0		260	

Signature of Site Engineer \_\_\_\_\_ Signature of Client \_\_\_\_\_

*[Handwritten signature]*

E-338278

N-2073165

BMT-02

K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project: NTPC						Started on: 09/03/2024					
Method of Boring: HYDRULIC DRILLING						Completed on: 09/03/2024					
Location: RAMAGUNDAM						Chainage:					
BH-No: DBH-252						Water Table: 4.50M					
Depth of Termination: 12 M						Reference Level: 154.340					
Casing: 3.0M											
Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.0	Greyish Brown fine to coarse grained fly Ash with some STONE		0.0	DS	-	-	-	-			
1.5	← DO →		1.5	SPT	2	2	2	4			
3.0	← DO → (0.0m to 3.50m filled up)		3.0	SPT	2	3	7	10			
4.5	Reddish Brown fine to medium grained SAND STONE		4.5	ROCK SPT	50 70m	-	-	2100	13%	0%	N/R
6.0	← DO →		6.0	ROCK SPT	50 6m	-	-	2100	10%	0%	N/R
7.5	← DO →		7.5	ROCK SPT	50 40m	-	-	2100	14%	0%	N/R
9.0	← DO →		9.0	ROCK	-	-	-	-	11%	0%	
10.5	← DO →		10.5	ROCK	-	-	-	-	10%	0%	
12.0	← DO → (3.50m to 12.00m)		12.0	ROCK	-	-	-	-	15%	0%	
Signature of Site Engineer: S. Mandad						Signature of Client:					

Drawing → E → 338004  
 N → 2073149  
 Shifting → E → 338004  
 N → 2073146

BNT-02

K.C.T CONSULTANCY SERVICES, AHMEDABAD	
Project: <u>NTPC</u>	Started on: <u>25/03/24</u>
Method of Boring: <u>HYDRAULIC DRILLING</u>	Completed on: <u>25/03/24</u>
Location: <u>RAMAGUNDAM</u>	Chainage:
BH-No. <u>DBH-152</u>	Water Table: <u>2.20 M</u>
Depth of Termination: <u>12 M</u>	Reference Level: <u>152.760</u>
Casing: <u>3 M</u>	

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	QD	Remark
0.0	Brownish fine to medium grained silty CLAY with gravel. (0.0m to 0.60m)		0.0	DS	-	-	-	-			
1.5	Reddish Brown fine to medium grained CLAY with medium		1.5	SPT	4	15	40	55			
3.0	← DO → (0.60m to 3.50m)		3.0	SPT	30	50	50	7100			
4.5	Reddish white fine to coarse grained SAND STONE		4.5	ROCK	50	-	-	7100	21%	0%	N/R
6.0	← DO →		6.0	ROCK	50	-	-	7100	12%	0%	N/R
7.5	← DO →		7.5	ROCK	50	-	-	7100	10%	0%	N/R
9.0	← DO →		9.0	ROCK	30	-	-	7100	17%	0%	N/R
10.5	← DO →		10.5	ROCK	-	-	-	-	26%	15%	
12.0	← DO → (3.50m to 12.00m)		12.0	ROCK	-	-	-	-	21%	22%	

Signature of Site Engineer: S. mandal      Signature of Client: \_\_\_\_\_

Drawing

E-338159

BNT-02

N-2073098

Actual → E-338156

N-2073098

K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project: <b>WTPC</b>			Started on: <b>13/03/24</b>								
Method of Boring: <b>HYDRULIC DRILLING</b>			Completed on: <b>24/03/24</b>								
Location: <b>RAMAGUN DAM</b>			Chainage:								
BH-No: <b>DBH-153</b>			Water Table: <b>3.55m</b>								
Depth of Termination: <b>10m</b>			Reference Level: <b>153.810</b>								
Casing: <b>3m</b>											
Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.0	Brownish fine to medium grained silty CLAY with gravel. (0.0m to 0.70 m)		0.0	DS	-	-	-	-			
1.5	Reddish brown fine to medium grained CLAY with morum		1.5	SIT	30	50 5cm	-	7100			
3.0	← DO → (0.70m to 3.20 m)		3.0	SIT	42	50 6cm	-	7100			
4.5	Reddish white fine to medium grained SANDSTONE		4.5	ROCK	-	-	-	-	38%	22%	
6.0	← DO →		6.0	ROCK	-	-	-	-	59%	0%	
7.5	← DO →		7.5	ROCK	-	-	-	-	64%	7%	
9.0	← DO →		9.0	ROCK	-	-	-	-	53%	7%	
10.0	← DO → (3.20m to 10.00m)		10.0	ROCK	-	-	-	-	50%	21%	

Signature of Site Engineer

S. mandal

Signature of Client

Drawing

E-338503

BNT-02

N-2073055

Actual

E-338295

N-2073055

Project: <u>NTPC</u>		Started on: <u>20/03/2024</u>
Method of Boring: <u>HYDRULIC DRILLING</u>		Completed on: <u>20/03/2024</u>
Location: <u>RAMAGUNDAM</u>		Chainage:
BH-No: <u>DBH-254</u>		Water Table: <u>3.60 M</u>
Depth of Termination: <u>10 M</u>		Reference Level: <u>153.809</u>
Casing: <u>3 m</u>		

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.0	Brownish fine to medium grained silty CLAY with gravel. (0.0m to 0.80m)		0.0	DS	-	-	-	-			
1.5	Reddish Brown fine to medium grained SAND with mossium		1.5	SPT	4	5	7	12			
3.0	← DO →		3.0	SPT	6	25	$\frac{75}{6cm}$	7100			
4.5	← DO → (0.80m to 4.70m)		4.5	SPT	8	30	$\frac{70}{5cm}$	7100			
6.0	Reddish Brown fine to fine grained SAND STONE		6.0	ROCK 50 SPT 10cm	-	-	-	7100	4%	0%	
7.5	← DO →		7.5	ROCK 50 SPT 7cm	-	-	-	7100	5%	0%	
9.0	← DO →		9.0	ROCK	-	-	-	-	51%	9%	
10.0	← DO → (4.70m to 10.00m)		10.0	ROCK	-	-	-	-	28%	0%	

Signature of Site Engineer S. Mandal Signature of Client

Drawing E-338237  
N-2072989

BNT-02

Actual E-338237  
N-2072986

K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project: <u>NTPC</u>							Started on: <u>27/03/2024</u>				
Method of Boring: <u>HYDRULIC DRILLING</u>							Completed on: <u>27/03/2024</u>				
Location: <u>RAMAGUNDAM</u>							Chainage: <u>3.50 M</u>				
BH-No: <u>DBH-155</u>							Water Table: <u>3.50 M</u>				
Depth of Termination: <u>15 M</u>							Reference Level: <u>53-770</u>				
Casing: <u>3 M</u>											
Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.0	Brownish fine to medium grained silty CLAY with gravel. (0.0m to 0.60m)		0.0	DS	-	-	-	-			
1.5	Reddish Brown fine to medium grained silty CLAY with mosaic		1.5	SPT	$\frac{50}{100m}$	-	-	7100			
3.0	← DO → (0.60m to 3.10m)		3.0	SPT	$\frac{50}{70m}$	-	-	7100			
4.5	Reddish white fine to medium grained SAND STONE		4.5	Rock	-	-	-	-	22%	7%	
6.0	← DO →		6.0	Rock	-	-	-	-	26%	13%	
7.5	← DO →		7.5	Rock	-	-	-	-	29%	0%	
9.0	← DO →		9.0	Rock	-	-	-	-	33%	0%	
10.5	← DO →		10.5	Rock	-	-	-	-	43%	0%	
12.0	← DO →		12.0	Rock	-	-	-	-	59%	25%	
13.5	← DO →		13.5	Rock	-	-	-	-	71%	8%	
15.0	← DO → (3.10m to 15.00m)		15.0	Rock	-	-	-	-	64%	29%	
Signature of Site Engineer <u>S. Mandal</u>							Signature of Client				

E → 2254

BNT-06

N → - 263

K.C.T CONSULTANCY SERVICES, AHMEDABAD	
Project: <u>NTPC</u>	Started on: <u>27/03/24</u>
Method of Boring: <u>HYDRAULIC DRILLING</u>	Completed on: <u>18/03/2024</u>
Location: <u>RAMAGUNDAM</u>	Chainage:
BH-No: <u>DBH-256</u>	Water Table: <u>4.40m (18/03/24)</u>
Depth of Termination: <u>15.0M</u>	Reference Level: <u>155.120</u>
Casing: <u>3M</u>	

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.0	Brownish fine to medium grained silty CLAY with gravel. (0.0m to 0.70m)		0.0	DS	-	-	-	-			
1.5	Reddish white fine to medium grained SAND with morum		1.5	SPT	10	15	22	37			
3.0	← DO → (0.70m to 3.40m)		3.0	SPT	25	50	-	700			
4.50	Brownish Red fine to coarse grained Sand stone Rock.		4.50	Rock	-	-	-	-	28.18	0.0	
6.00	← DO →		6.0	Rock	-	-	-	-	35.33	0.0	
7.50	← DO →		7.5	Rock	-	-	-	-	65.37	15.42	
9.00	← DO →		9.0	Rock	-	-	-	-	56.66	8.0	
10.50	← DO →		10.5	Rock	-	-	-	-	63.28	10.66	
12.0	← DO →		12.0	Rock	50	200	-	200	11.32	0.0	N/R SPT
13.5	← DO →		13.5	Rock	50	200	-	200	14.66	0.0	N/K SPT
15.0	← DO →		15.0	Rock	50	200	-	200	12.66	0.0	N/K SPT

Signature of Site Engineer

Signature of Client

*[Handwritten Signature]*

N → 2100

BNT-02

E → -265

K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project : <u>NTPC</u>						Started on : <u>26/03/24</u>					
Method of Boring : <u>HYDRULIC DRILLING</u>						Completed on : <u>16/03/24</u>					
Location : <u>RAMAGUNJAM</u>						Chainage :					
BH-No. : <u>DBH-257</u>						Water Table : <u>1.80m</u>					
Depth of Termination : <u>12.00</u> <del>12</del> <u>M</u>						Reference Level : <u>154.666</u> <del>255</del>					
Casing : <u>3.0m</u>											
Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.0	Brownish fine to medium grained silty clay with gravel. (0.0m to 0.90m)		0.0	DS	-	-	-	-			
2.5	Brownish white fine to medium grained SAND with morum		1.5	SPT	4	14	18	32			
3.0	← DO → (0.90m to 3.20m)		3.0	SPT	30	<sup>50</sup> / <sub>100</sub>	-	7100			
4.5	Redish Brown fine to medium grained SAND STONE		4.5	ROCK	-	-	-	-	23% 07.		
6.0	← DO →		6.0	ROCK	-	-	-	-	39% 71.		
7.5	← DO →		7.5	ROCK	-	-	-	-	69% 44%		
9.0	← DO →		9.0	ROCK	-	-	-	-	71% 51%		
10.5	← DO →		10.5	ROCK	-	-	-	-	80% 52%		
12	← DO → (3.20m to 12.00m)		12.0	ROCK	-	-	-	-	58% 58%		
Signature of Site Engineer <u>S. Mandal</u>						Signature of Client					

E-337847

N-2073201

BNT-02

K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project: <u>NTPC</u>						Started on: <u>01/03/24</u>					
Method of Boring: <u>HYDRULIC DRILLING</u>						Completed on: <u>08/03/24</u>					
Location: <u>RAMAGUNDA</u>						Chainage:					
BH-No: <u>DBH-158</u>						Water Table: <u>1.90M</u>					
Depth of Termination: <u>12M</u>						Reference Level: <u>152.678</u>					
Casing: <u>1.5M</u>											
Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.0	Brownish fine to medium grained silty clay with gravel. (0.0m to 0.90m)		0.0	DS	-	-	-	-			
1.5	Reddish Brown fine to medium grained SAND STONE		1.5	ROCK	50	-	-	2100	17%	0%	
					50			4cm			
3.0	← DO →		3.0	ROCK	-	-	-	-	36%	0%	
4.5	← DO →		4.5	ROCK	-	-	-	-	57%	0%	
6.0	← DO →		6.0	ROCK	-	-	-	-	56%	0%	
7.5	← DO →		7.5	ROCK	-	-	-	-	50%	0%	
9.0	← DO →		9.0	ROCK	-	-	-	-	54%	17%	
10.5	← DO →		10.5	ROCK	-	-	-	-	45%	0%	
12.0	← DO → (0.90m to 12.00m)		12.0	ROCK	-	-	-	-	66%	0%	
Signature of Site Engineer <u>S. mandal</u>						Signature of Client					

E → 1990

BNT-02

N → - 343

K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project: <u>NTPC</u>						Started on: <u>17/03/24</u>					
Method of Boring: <u>HYDRULIC DRILLING</u>						Completed on: <u>18/03/24</u>					
Location: <u>RAMAGUNDAM</u>						Chainage:					
BH-No: <u>DAH-160</u>						Water Table: <u>2.10m</u>					
Depth of Termination: <u>06M</u>						Reference Level: <u>754.466</u>					
Casing: <u>3M</u>											
Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.0	Brownish fine to medium grained silt CLAY with gravel. (0.0m to 0.60m)		0.0	DS	-	-	-	-			
1.5	Reddish white fine to medium grained SAND with morum <del>and</del> and soft rock		1.5	SPT	8	17	40	57			
3.0	← DO → (0.0m to 3.00m)		3.0	SPT	27	$\frac{50}{5m}$	-	71 <sup>00</sup>			
4.5	Reddish Brown fine to medium grained SAND STONE		4.5	ROCK	-	-	-	-	63%	45%	
6.0	← DO → (3.00m to 6.00m)		6.0	ROCK	-	-	-	-	95%	95%	
Signature of Site Engineer <u>S. Mandal</u>						Signature of Client					

BNT - PSOL  
DBH - 162

N - 695  
E - 1750

K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project : - NTPC						Started on : 19/9/24					
Method of Boring : - Hydraulic Drilling						Completed on : - 19/9/24					
Location : - Ramagudam						Chainage :					
BH-No : - DBH - 162						Water Table :					
Depth of Termination : - 12.00m						Reference Level : 153.645					
Casing : - 4.50m											
Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.00	Reddish brown fine to grained clayey sand with some g.		0.00	DS							
0.90	(0.00 to 0.90)m										
1.95	Brownish fine to grained silty clay sect.		1.50	SPT	1	2	2	4			
3.45	Brownish fine to grained clayey sand with o.g.		3.00	UDS SPT	5	11	19	30			N.R UDS
5.00	Brownish fine to grained silty sand with o.g.		4.50		13	24	29	53			
6.00	Reddish brown light coarse to fine sand stone with structure rock		6.00	Rock							70.00
7.50	Do		7.50	Rock SPT 50 4cm				100	17.30		N.R SPT
9.00	Do		9.00	Rock SPT 50 5cm				100	9.33		N.R SPT
10.50	Do		10.50	Rock							65.33 18.60
12.00	Do		12.00	Rock							79.00 20.00
Signature of Site Engineer						Signature of Client					

*[Signature]*  
19/9/24

Drawing

E → 1750

N → 600

AFTER SHIFTING →

E → 337897

N → 2074017

BNT-05

K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project: <u>NTPC</u>						Started on: <u>19/4/24</u>					
Method of Boring: <u>Hydraulic drilling</u>						Completed on: <u>20/04/24</u>					
Location: <u>Ramaganadam</u>						Chainage:					
BH No: <u>DPH-164</u>						Water Table:					
Depth of Termination: <u>12 M</u>						Reference Level: <u>153.234</u>					
Casing: <u>1.10M</u>											
Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.00	Brownish fine to fine silty sandy clay with some gravel. (0.00 to 0.30M)		0.00	DS	-	-	-	-			
1.50	Redish brown fine to fine grained silty sandy clay with little gravel. (0.30 to 1.60M)		1.50	SPT	$\frac{51}{7CM}$	>	>	>100			
3.00	Redish brown fine to fine coarse grained silty sandy stone fractured soft Rock.		3.00	Rock	-	-	-	-	24%	7%	
4.50	DO		4.50	Rock	-	-	-	-	6%	0%	
6.00	DO (Sandy stone)		6.00	Rock SPT	$\frac{51}{4CM}$	>	>	>100			NIR
7.50	DO		7.50	Rock	-	-	-	-	45%	9%	
9.00	← DO →		9.00	Rock	-	-	-	-	24%	8%	
10.5	← DO →		10.5	Rock	-	-	-	-	30%	20%	
12.0	← DO → (1.60m to 12.00m)		12.0	Rock	-	-	-	-	50%	0%	

Signature of Site Engineer

*Aravin K. Singh*

Signature of Client

E-1688

N-551

## K.C.T CONSULTANCY SERVICES, AHMEDABAD

Project: <u>NTPC</u>	Started on: <u>18/4/24</u>
Method of Boring: <u>Hydraulic drilling</u>	Completed on: <u>18/4/24</u>
Location: <u>Ramagundam</u>	Chainage:
BH-No: <u>-DBH-165</u>	Water Table:
Depth of Termination: <u>12.00M</u>	Reference Level:
Casing: <u>2.80M</u>	

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQP	Remark
0.00	Mix Red brownish fine to fine grained silty sandy clay with some gravel. (0.00 to 0.40M)		0.00	DS	-	-	-	-			
1.50	Redish brown fine to fine grained silty some sandy clay with much gravel. (0.40 to 1.70M)		1.50	SPT	16	$\frac{51}{8M}$	>	>100			
3.00	Redish brown fine to fine coarse grained silty fractured soft Rock.		3.00	Rock	-	-	-	-			
4.50	DO		4.50	Rock	-	-	-	-			
6.00	DO		6.00	Rock	-	-	-	-			
7.50	DO		7.50	Rock	-	-	-	-			
9.00	DO		9.00	Rock	-	-	-	-			
10.50	DO		10.50	Rock	-	-	-	-			
12.00	DO (1.70 to 12.00M)		12.00	Rock	-	-	-	-			

Signature of Site Engineer Abhinav Singh

Signature of Client

F-1702

N-1893

N-2075254

E-338207

KCT-01

K.C.T CONSULTANCY SERVICES, AHMEDABAD	
Project: <b>NTPC</b>	Started on: <b>02/03/2024</b>
Method of Boring: <b>HYDRULIC DRILLING</b>	Completed on: <b>02/03/2024</b>
Location: <b>RAMAGUNDAM</b>	Chainage: <b>-</b>
BH-No: <b>DBH 169</b>	Water Table: <b>4.7 M</b>
Depth of Termination: <b>12 M</b>	Reference Level: <b>159.158</b>
Casing: <b>3 M</b>	

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.0	Reddish Brown fine to medium grained silty sandy CLAY with gravel.		0.0	DS	-	-	-	-			
1.5	← DO →		1.5	SPT	6	10	12	22			
3.0	← DO →		3.0	URS	-	-	-	-			
4.5	(0.0m to 3.90m) Brownish fine to medium grained silty CLAY with Boalder (3.90 m to 4.60 m) (0.0m to 4.60m tested up)		4.5	Rock SPT	$\frac{50}{5cm}$	-	-	7100	8%	0%	N/R
6.0	Reddish BROWN fine to medium grained SAND		6.0	SPT	12	33	$\frac{67}{14cm}$	7100			
7.5	← DO →		7.5	SPT	65	-	-	7100			
9.0	← DO →		9.0	SPT	27	$\frac{50}{14cm}$	-	7100			
10.5	← DO → (4.60m to 10.60m)		10.5	SPT	$\frac{50}{10cm}$	-	-	7100			
12.0	Reddish Brown fine to medium grained SAND STONE (10.60m to 12.00m)		12.0	Rock	-	-	-	-	53%	12%	

Signature of Site Engineer *S. Mander*

Signature of Client

BNT-07  
DBH-170

Local

N-2075148 E-338297.6  
1803 1765

Page-1

K.C.T CONSULTANCY SERVICES, AHMEDABAD

Project: <b>NTPC</b>	Started on: <b>22-02-24</b>
Method of Boring: <b>Hydraulic Drilling</b>	Completed on: <b>22-02-24</b>
Location: <b>Ramagundam</b>	Chainage:
BH-No: <b>170</b>	Water Table: <b>4.85</b>
Depth of Termination: <b>12.00m</b>	Reference Level: <b>153.745</b>
Casing: <b>2.00m</b>	

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.00 ↓ 0.70	Brownish fine to grained clayey sand with o.g. filled up (0.00 to 0.70)		0.00	bc							
0.70 ↓ 1.80	Reddish brown white light fine to grained sandy clay suit with some g. (0.70 to 1.80)		1.56	SPT	8	10	11	21			
1.80 ↓ 3.30	Yellowish brown white fine to grained clay suit with some gravel (1.80 to 3.30)		3.00	UDS SPT	4	5	5	10			N-R UDS
3.30 ↓ 4.90	Reddish brown white fine to grained coarse clayey sand and bolder mix with gravel (3.30 to 4.90)		4.56	SPT	25	50	>	100			
4.90 ↓ 6.40	Do (4.90 to 6.40)		6.00	UDS SPT	28	50	>	100			N-R UDS
6.40 ↓ 8.50	Reddish brown coarse fine to grained clayey sand with bolder mix (6.40 to 8.50)		7.56	SPT	30	50	>	100			

Signature of Site Engineer

Signature of Client

Anil Kumar Sahani  
22/2/24

BN.T-0  
DBH-170

DBH-170

Page-2

K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project : <u>NTPC</u>						Started on : <u>22-02-24</u>					
Method of Boring : <u>Hydraulic Drilling</u>						Completed on : <u>22-02-24</u>					
Location : <u>Ramagundam</u>						Chainage :					
BH-No. : <u>170</u>						Water Table :					
Depth of Termination :						Reference Level :					
Casing : <u>3.00 m</u>											
Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
8.50	Whitenesh red Coarsed										
↓	to fine sand stone with fracture rock		9.00	SPT Rock				$\frac{50}{3cm} > > \frac{100}{K}$	2.85		N-R SPT
9.00	8.50 to 9.00										
↓	reddish brown light coarsed fine to grained sand stone with fracture rock		10.50	Rock					29.33	8.66	
10.50	(9.00 to 10.50)										
Signature of Site Engineer						Signature of Client					

Amit Kumar Sahani

BNT-02  
DBH-171

Coordinate & Local  
N-2075098-1726  
E-3382071-1696

DBH-171

K.C.T CONSULTANCY SERVICES, AHMEDABAD	
Project : NTPC	Started on : 22-02-24
Method of Boring : - Hydraulic Drilling	Completed on : 23-02-24
Location : - Ramagundam	Chainage :
BH No. - 171	Water Table : 5.10
Depth of Termination : - 10.00 mt	Reference Level : 152.824
Casing : - 3.00 mt	

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark	
0.00	Brownish light fine to grained clayey sand with some gravel filled up (0.00 to 3.50) mt		0.00	DS								
			1.50	SPT	5	7	10	17				
3.50			3.00	$\frac{45}{SPT}$	5	6	8	14				
4.50	Reddish Brown Coarsed to fine clayey sand with o.g. (3.50 to 4.50)		4.50	SPT	8	11	24	35				
6.90	Do (4.50 to 6.90)		6.00	$\frac{45}{SPT}$	10	25	39	64				
7.50	Reddish Brown light Coarsed to fine grained Sand stone with fracture rock (6.90 to 7.50)		7.50	Rock	←			45	22.22			
9.00	Do		9.00	Rock	←			52	10.00			
10.00	Do		10.00	Rock	←			$\frac{50}{SPT}$	>	>	100	11 N-R SPT

Signature of Site Engineer: *Amal Kumar* / 22/2/24  
Signature of Client:

*Amal Kumar*  
22/2/24

N-1725  
E-1766

BH-172

K.C.T CONSULTANCY SERVICES, AHMEDABAD

Project: NTPC	Started on: 22/02/2024
Method of Boring: HYDRULIC DRILLING	Completed on: 23/02/24
Location: RAMAGUNDAM	Chainage:
BH-No: BNT-172	Water Table: 4.95
Depth of Termination: 12 mt	Reference Level: 153.985
Casing: 9.00 mt	

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
	reddish white fine to coarse grained silty clay SAND with Boulder		0.0	PS	-	-	-	-			
	← DO →		1.5	SPT	2	3	5	8			
	← DO →		3.0	UDS SPT	7	10	14	24			
	← DO →		4.5	SPT	9	13	17	30			
	— DO —		6.00	SPT	20	50 / 10cm					N-R SPT
6.00	Reddish brown fine to grained clayey sand with o-g-		7.50	SPT	25	50 / 9cm					
6.80	(6.00 to 7.80)										
9.00	Reddish brown light coarsed to fine grained sand stone with fracture rock		9.00	Rock SPT	50 / 3cm		>	160	14.16		N-R SPT
10.50	— DO —		10.50	Rock					25.33	25.33	
12.00	— DO —		12.00	Rock					23.33	10.66	

Signature of Site Engineer \_\_\_\_\_ Signature of Client \_\_\_\_\_

Amal Kumar Subram  
23/2/24

Machine NO :- KCT01

DBH:-173

K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project :- NTPC						Started on :- 24/02/24					
Method of Boring :- Hydro Auger Drilling						Completed on :- 25/02/24					
Location :- Ramnagar, Telangana						Chainage :-					
BH No. :- 173						Water Table :- 6.10 m					
Depth of Termination :- 10.00 mt						Reference Level :- 153.344					
Casing :- 6.00 mt						E :- 1839 N :- 1715					
Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.0	Redish Brown, fine to coarse grained, sand with gravels & clay ← filled up soil → (0.0 mt to 1.30 mt)		0.0	DS	-	-	-	-			
1.50	← DO → (0.90 mt to 2.70 mt)		1.50	SPT DS	7	8	12	20	-	-	NR SPT
3.00	Redish Brown fine to medium grained, silty sand with clay (2.70 mt to 3.90 mt)		3.00	SPT	6	8	13	21	-	-	-
4.50	Redish Brown, fine to coarse grained, gravels with Baldez (3.90 mt to 5.60 mt)		4.50	SPT	2	3	5	9	-	-	NR SPT
6.00	Brownish grey, fine to medium grained, silty sand with gravels & clay. (5.60 mt to 6.40 mt)		6.00	SPT	7	9	25	34	-	-	-
7.50	Redish Brown, fine to coarse grained, sand with gravels. (6.40 mt to 7.80 mt)		7.50	SPT	50 10m	-	-	>100 (R)			
Signature of Site Engineer						Signature of Client					

24/02/24

*Handwritten signature*

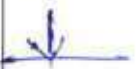
Machine NO:- KCT01

DBH:-173

K.C.T CONSULTANCY SERVICES, AHMEDABAD	
Project: - <u>NTPC</u>	Started on: <u>24/02/24</u>
Method of Boring: - <u>Hydraulic Drilling</u>	Completed on: <u>25/02/24</u>
Location: - <u>Ramagundam, Telangana</u>	Chainage:
Bit-No. - <u>173</u>	Water Table: <u>6.10</u>
Depth of Termination: - <u>10.00mt</u>	Reference Level: - <u>153.344</u>
Casing: - <u>6.00mt</u>	N: - <u>1715</u> E: - <u>1839</u>

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
9.00	Redish Brown, fine to coarse, sand stone with soft rock		9.00	Rock	-	-	-	-	46.66%	13.33%	
10.00	← DO →		10.00	Rock	-	-	-	-	12.00%	0.00%	

25/02/24



Signature of Site Engineer Kishor 25/06/24  
 Signature of Client

Drawn: E-1312 MFIEK>HJH I INOL-7 N-2075332  
N-4865 E-337917

BNT-05

K.C.T CONSULTANCY SERVICES, AHMEDABAD

Project: NTPE	Started on: 15/04/2024
Method of Boring: HYDRULIC DRILLING	Completed on: 15/04/2024
Location: RAMAGUNDAM	Chainage:
BH-No: DBH-175	Water Table:
Depth of Termination: 10 M	Reference Level:
Casing: 3 M	

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.0	Brownish white fine to medium grained silty CLAY with gravel.		0.0	D.S	-	-	-	-			
1.5	← DO →		1.5	SPT	7	10	13	23			
3.0	← DO → (0.0m to 3.60m)		3.0	SPT	9	14	18	32			
4.5	Brownish white fine to medium grained SAND with gravel and Boulder		4.5	SPT	10	40	60/10cm	7100			
6.0	← DO → (3.60m to 7.40m)		6.0	SPT	30	50/10cm	-	7100			
7.5	Reddish Brown fine to medium grained SAND STONE		7.5	Rock SPT	50/5cm	-	-	7600	25.0%		N/R
9.0	← DO →		9.0	Rock SPT	50/4cm	-	-	7100	21.0%		N/R
10.0	← DO → (7.40m to 10.00m)		10.0	Rock SPT	50/5cm	-	-	7200	21.0%		N/R

Signature of Site Engineer B. Mandel

Signature of Client

DBH-180  
KCT-01

E-2558  
N-1634

K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project : <u>NTPC</u>						Started on : <u>17/3/24</u>					
Method of Boring : <u>Hydraulic Machine</u>						Completed on : <u>18/3/24</u>					
Location : <u>Ramagundam</u>						Chainage :					
BH-No. - <u>DBH-180</u>						Water Table : <u>0.70M</u>					
Depth of Termination : <u>10.00M</u>						Reference Level : <u>144.370M</u>					
Casing : <u>3.60M</u>											
Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.00	Opresish fine to fine grained silty sandy with some gravel. (0.00 to 0.40M)		0.00	DS	-	-	-	-			
1.50	← Dobut greyish Brown (0.40 to 1.60M)		1.50	SPT	3	5	8	13			
3.00	Redish brown fine to fine grained silty some clay with little gravel. (1.60 to 3.20M)		3.00	UJS SPT	51	>	>	>100			NIRUSS
4.50	Redish brown fine to fine coarse grained silty fractured soft Rock.		4.50	Rock	-	-	-	-			
6.00	DO		6.00	Rock	-	-	-	-			
7.50	DO		7.50	Rock	-	-	-	-			
9.00	DO		9.00	Rock	-	-	-	-			
10.00	DO (3.20 to 10.00M)		10.00	Rock	-	-	-	-			
Signature of Site Engineer <u>Avin Pr. Singh</u>						Signature of Client					

Drawing →

N-2073241

BNT-02

E-338665

Actual →

N-2073241

E-338651

K.C.T CONSULTANCY SERVICES, AHMEDABAD	
Project: NTP	Started on: 04/03/2024
Method of Boring: HYDRAULIC DRILLING	Completed on: 04/03/2024
Location: RAMAGUNDAM	Chainage:
BH-No. DBH-181	Water Table: 3.5M
Depth of Termination: 10M	Reference Level: 153-203
Casing: 3M	

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.0	Brownish fine to coarse grained silty sandy CLAY with gravel and Basalton to.		0.0	DS	-	-	-	-			
1.5	← DO → (0.0 m to 1.80 m filled up)		1.5	SPT	6	9	17	26			
3.0	Redish Brown fine to medium grained SAND		3.0	SPT	15	22	30	52			
4.5	← DO → (1.80 m to 4.70 m)		4.5	SPT	37	$\frac{50}{6cm}$	-	7100			
6.0	Redish white fine to medium grained SAND STONE		6.0	ROCK	-	-	-	-	32%	0%	
7.5	← DO →		7.5	ROCK	-	-	-	-	58%	27%	
9.0	← DO →		9.0	ROCK	-	-	-	-	57%	7%	
10.0	← DO → (4.70 m to 10.00 m)		10.0	ROCK	-	-	-	-	66%	0%	

Signature of Site Engineer S. Mandal

Signature of Client

DBH :- 182

K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project : - NTPC						Started on :- 27/02/24					
Method of Boring : - Hydraulic Drilling						Completed on :- 27/02/24					
Location : - Darnaganandam, Tehargarha						Chainage :					
BH-No. - 182						Water Table :- 8.10m					
Depth of Termination : 10.00mt						Reference Level :- 155.155					
Casing : 3.00mt						E :- 2855 N :- 180					
Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R.%	RQD	Remark
0.0	Dark Brownish, fine to coarse grained, clay with gravels,		0.0	DS	-	-	-	-			
1.50	← DO →		1.50	SPT	2	4	8	12			
3.00	← DO →		3.00	UDS SPT	7	9	10	19			NR UDS
4.50	← DO →		4.50	SPT	7	11	14	25			
	← Filled up soil → (0.0mt to 4.80mt)										
6.00	Redish Brown, fine to fine grained, Silty sand		6.00	SPT	5	8	11	19			
7.50	← DO → (4.60mt to 8.30mt)		7.50	SPT	15	18	25	43			
9.00	Whitesh Brown, fine to coarse grained sand stone with soft rock (8.20mt to 9.20mt)		9.00	Rock	-	-	-	-	55.71%	0.0%	
10.00	Redish Brown fine to coarse grained, sand stone with soft rock		10.00	Rock	-	-	-	-	53.02%	11.00%	
Signature of Site Engineer						Signature of Client					

*Handwritten signature and date:*  
 27/02/24

DBH-183  
BNT-07

Coordinate - N-139 N-139  
E-3008 E-3008

K.C.T CONSULTANCY SERVICES, AHMEDABAD

Project: - <b>NTPC</b>	Started on: - <b>25-02-24</b>
Method of Boring: - <b>Hydraulic Drilling</b>	Completed on: - <b>25-02-24</b>
Location: - <b>Ramagundam</b>	Chainage:
BH No. - <b>183</b>	Water Table: <b>8.10 mt</b>
Depth of Termination: - <b>10.00 mt</b>	Reference Level: <b>154.526</b>
Casing: - <b>8.00 mt</b>	

154.526

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.00	Brownish red fine to grained with clayey sand and rock material; Boulder filled up		0.00	D <sub>s</sub>	-	-	-	-			
1.50			1.50	SPT	7	11	15	26			
3.00		Do		3.00	<sup>UDS</sup> SPT	8	12	17	29		
4.50	Do		4.50	SPT	18	27	31	58			N.R SPT
5.50	Do (4.50 to 5.50) mt										
5.50	Reddish brown white light coarsed to fine grained sand stone with fracture rock		6.00	Rock					3000	0.0%	
6.00											
7.50	Do		7.50	SPT Rock	50			>100	1056	0.0%	N.R SPT
9.00	Do		9.00	Rock					2000	0.0%	
10.00	Do		10.00	Rock					4000	0.0%	

Signature of Site Engineer: *Anil Kumar* 25/2/24  
Signature of Client: \_\_\_\_\_

## DBH :- 184

K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project : - NTPC						Started on : - 27/02/24					
Method of Boring : - Hydraulic Drilling						Completed on : - 27/02/24					
Location : - Ramagundam Telangana						Chainage :					
BH-No. - 184						Water Table : 8.00m					
Depth of Termination : - 10.00mt						Reference Level : - 154.897					
Casing : - 3.00mt						E :- 3102, N :- 194					
Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.0	Redish Brown mix clay, to coarse grained, clay with gravels & clay Ash (Filled up soil)		0.0	DS	-	-	-	-			
1.50	DO		1.50	SPT	6	8	13	21			
3.00	DO		3.00	SPT	12	15	18	33			
4.50	DO (0.00mt to 5.10mt)		4.50	SPT	17	17	21	38			
6.00	whitish yellow, fine to coarse grained, sand with gravels. (5.10mt to 6.80mt)		6.00	SPT	14	16	18	34			
7.50	whitish yellow, fine to coarse grained, sand stone with gravels, (6.80mt to 8.40mt)		7.50	Rock SPT	50 5cm	-	-	>100			
9.00	Redish Brown, fine to coarse grained, sand stone with Soft Rock		9.00	Rock	-	-	-	28.35			
10.00	DO		10.00	Rock	-	-	-	9.00			

Signature of Site Engineer

H. S. J. S.  
27/02/24

Signature of Client

Coordinate: - N - 146  
E - 3200

DBA-185  
BNT-05

K.C.T CONSULTANCY SERVICES, AHMEDABAD	
Project: NTPC	Started on: - 25-02-24
Method of Boring: - Hydraulic Drilling	Completed on: - 25-02-24
Location: - Ramagundam	Chainage:
BH No. - 185	Water Table: 7.85 mt
Depth of Termination: - 10.00 mt	Reference Level: 153.086
Casing: 6.00 mt	

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.00	Brownish gray white fine to grained clayey sand with rock material and bolder msb		0.00	DS	-	-	-	-	-		
1.50			1.50	SPT	7	12	15	27			
1.50	filled up (0.00 to 1.50) mt										
3.00	Do		3.00	VDS							
4.50	Do		4.50	SPT	10	15	18	33			
6.40	whitish light fine to grained clayey sand with o.g.		6.00	<sup>6DS</sup> SPT	18	27	38	65			
7.50	Reddish brown fine to grained clayey sand with o.g.		7.50	SPT	32	50	9cm	100			
9.20	Reddish brown white light coarse to fine grained soft rock with clayey sand		9.00	SPT	35	50	7cm	100			
10.00	Reddish white light coarse to fine grained sandstone and structure rock		10.00	Rock	-	-	-	32.5%			
	(9.20 to 10.00) mt										

Signature of Site Engineer \_\_\_\_\_ Signature of Client \_\_\_\_\_

Anil Jan. 25/2/24

Machine No:-

BNT: 07

DBH: - 187

K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project - NTPC					Started on :- 23/02/24						
Method of Boring - Hydraulic Drilling					Completed on :- 23/02/24						
Location :- Ramnagar dam, Telangana					Chainage :						
BH-No. - 187					Water Table : 0.50m						
Depth of Termination : 10.00mt					Reference Level : 150.261						
Casing : 3.00mt					E :- 3356 N :- 150						
Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.0	Reddish Brown, fine to very fine grained, silty clay with traces of gravels, ← filled up soil → (0.00mt to 0.60mt)		0.0	DS	-	-	-	-			
1.50	Brownish grey, fine to coarse grained, silty clay with traces of gravels, (0.60mt to 2.80mt)		1.50	SPT	6	8	12	20			
3.00	Reddish Brown, fine to coarse grained, sand stone, with gravels & clay. (2.80mt to 3.40mt)		3.00	SPT	22	50	-	>100 (R)			
4.50	Reddish Brown, fine to coarse grained, sand stone with soft rock		4.50	Rock	-	-	-	26.15%		22.32%	
6.00	← DO →		6.00	Rock	-	-	-	22.66%		0.0%	
7.50	← DO →		7.50	Rock	-	-	-	28.00%		0.0%	
9.00	← DO →		9.00	Rock	-	-	-	28.66%		57.38%	
10.00	← DO →		10.00	Rock	-	-	-	83%		83%	
Signature of Site Engineer					Signature of Client						

H. S. S. S.  
23/02/24

BNT-02

K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project: NTPC					Started on: 23/02/2024						
Method of Boring: Hydraulic Drilling					Completed on: 23/02/2024						
Location: Ramguthidam					Chainage:						
BH-No. -189					Water Table: - 0.40						
Depth of Termination: 10.10m					Reference Level: 199.883						
Casing:											
Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.10	Brownish fine to Grained silty clay with gravels (0.10m to 0.80m)		0.10	DS	-	-	-	-			
1.50	Redish Brown fine to very fine Grained silty sand		1.50	SPT	2	5	6	11			
3.10	<del>with clay</del> DO (0.80m to 4.20m)		3.10	<del>DS</del> SPT	-	-	-	-			N.R DS
4.50	Redish Grey fine to very fine silty clay with some sand & gravels (4.20m to 5.30m)		4.50	SPT	27	50	>	>100			R
6.00	whitish Grey fine to very fine Grained sandy clay with gravels (5.30m to 7.20m)		6.00	SPT	18	26	56	82			
7.50	Redish Brown fine to Grained silty clay with some sand & gravels		7.50	<del>DS</del> SPT	14	60	>	>100			R
9.10	DO (7.20m to 9.10m)		9.10	<del>DS</del> SPT	57	>	>	>100			R
10.00	<del>with DO</del> Greyish fine to coarse Grained sand stone (9.10m to 9.80m)		10.00	SPT	50	>	>	>100			R

Signature of Site Engineer: Jitendra Kumar

Signature of Client:

DBH :- 190

K.C.T CONSULTANCY SERVICES, AHMEDABAD

Project : - <u>NTPC</u>	Started on : <u>23/02/24</u>
Method of Boring : - <u>Hydraulic Drilling</u>	Completed on : <u>23/02/24</u>
Location : - <u>Rama Sundaram, Telangana,</u>	Chainage :
BH-No. - <u>190</u>	Water Table : - <u>1.70</u>
Depth of Termination : - <u>10.00mt</u>	Reference Level : - <u>151.228</u>
Casing : - <u>3.00 mt</u>	E :- <u>3737</u> N :- <u>163</u>

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.0	Redish Brown, fine to fine grained, silty sand with clay & gravels, ← filled up soil (0.00mt to 1.00mt)		0.0	DS	-	-	-	-			
1.50	Redish Brown, fine to coarse grained, sand stone with soft rock		1.50	Rock SPT	50	-	-	(R)			
3.00	← DO →		3.00	ROCK	-	-	-	-	3.33%		
4.50	← DO →		4.50	ROCK	-	-	-	-	37.33%	27.33%	
6.00	← DO →		6.00	ROCK	-	-	-	-	59.33%	30.00%	
7.50	← DO →		7.50	ROCK	-	-	-	-	44.00%	6.6%	
9.00	← DO →		9.00	ROCK	-	-	-	-	42.00%	30.66%	
10.00	← DO →		10.00	ROCK	-	-	-	-	57.00%	15.00%	

Signature of Site Engineer A. Chandru Kumar

Signature of Client

Drawing → N-2072906  
E-339810

BNT-02

Original → N-2072903  
E-339814

K.C.T CONSULTANCY SERVICES, AHMEDABAD	
Project: NTPC	Started on: 25/02/2024
Method of Boring: HYDRAULIC DRILLING	Completed on: 25/02/2024
Location: RAMAGUNDAM	Chainage: -
BH-No. DBH 191	Water Table: 8.40M
Depth of Termination: 12 M	Reference Level: -157.674
Casing: 3 M	

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	ROD	Remark
0.0	Reddish Brown fine to coarse grained silty sandy CLAY with Boulder and gravel (0.0m to 0.60m filled up)		0.0	DS	-	-	-	-			
1.5	Reddish Brown fine to medium grained silty SAND with some gravel.		1.5	SPT	13	15	25	40			
3.0	← DO → (0.60m to 3.20m)		3.0	UDS DS	-	-	-	-			
4.5	Reddish Brown fine to medium grained SAND STONE		4.5	ROCK SPT	50 4cm	-	-	>100	17%	0%	N/R
6.0	← DO →		6.0	ROCK	-	-	-	-	33%	9%	
7.5	← DO →		7.5	ROCK	-	-	-	-	46%	0%	
9.0	← DO →		9.0	ROCK	-	-	-	-	38%	0%	
10.5	← DO →		10.5	ROCK	-	-	-	-	44%	16%	
12	← DO → (3.20m to 12.00m)		12.0	ROCK	-	-	-	-	50%	32%	

Signature of Site Engineer S. Mandal

Signature of Client

E → 3958

N → - 18

BNT-02

K.C.T. CONSULTANCY SERVICES, AHMEDABAD											
Project: <u>NTPC</u>						Started on: <u>18/03/24</u>					
Method of Boring: <u>HYDRULIC DRILLING</u>						Completed on: <u>19/03/24</u>					
Location: <u>RAMAGUNDAM</u>						Chainage:					
BH-No: <u>D13H-193</u>						Water Table:					
Depth of Termination: <u>18 m</u>						Reference Level: <u>153.695</u>					
Casing: <u>3M</u>											
Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RCD	Remark
0.0	Redish Brown fine to medium grained silty CLAY with gravel (0.0m to 0.60 m)		0.0	DS	-	-	-	-			
1.5	Brownish fine to fine grained SAND (0.60m to 2.70m)		1.5	SPT	2	3	5	8			
3.0	Redish Brown fine to medium grained sandy CLAY with gravel. (2.70m to 3.50 m)		3.0	SPT	11	13	20	33			
4.5	Redish white fine to medium grained SAND STONE <del>with</del>		4.5	ROCK SPT	30	$\frac{50}{4cm}$	-	7100	3%	0%	
6.0	← DO →		6.0	ROCK SPT	$\frac{50}{14cm}$	-	-	7100	6%	0%	
7.5	← DO →		7.5	ROCK	-	-	-	-	64%	19%	
9.0	← DO →		9.0	ROCK	-	-	-	-	47%	35%	
10.5	← DO →		10.5	ROCK	-	-	-	-	34%	16%	
12.0	← DO →		12.0	ROCK	-	-	-	-	36%	19%	
13.5	← DO →		13.5	ROCK	-	-	-	-	51%	48%	
15.0	← DO →		15.0	ROCK	-	-	-	-	47%	0%	
16.5	← DO →		15.0	ROCK	-	-	-	-	51%	45%	
18.0	← DO →		18.0	ROCK	-	-	-	-	34%	28%	
Signature of Site Engineer <u>S. mandal</u>						Signature of Client					

DTM Cochinment

X = 2072782.43

Y = 339962.727

BNT-06

DBH-194

K.C.T CONSULTANCY SERVICES, AHMEDABAD

Project: - NTPC	Started on: - 28/03/24
Method of Boring: - Hydraulic Drilling	Completed on: - 30/03/24
Location: - Ramagundam, Telangana	Chainage:
BH-No. - 194	Water Table: - 4.60m
Depth of Termination: 10.00 m	Reference Level: - 160.080
Casing: 3.00 m	

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.0	← billedup soil → (0.0m to 0.30m)		0.0	DS	-	-	-	-			
1.50	Brownish, fine to medium grained, silty sand with clay & gravels		1.50	SPT	25	22	23	43			
3.00	← DO →		3.00	ODS SPT DS	50 6cm	-	-	>100 (R)			
4.50	← DO →		4.50	SPT	50 8cm	-	-	>100 (R)			
6.00	← DO → (0.30m to 6.20m)		6.00	SPT DS	50 5cm	-	-	>100 (R)			
7.50	Redish Brown, fine to coarse grained, sand stone with soft rock		7.50	Rock	-	-	-	73.84%	5.46%		
9.00	← DO →		9.00	Rock	-	-	-	90.00%	52.00%		
10.00	← DO →		10.00	Rock	-	-	-	77.00%	67.00%		

Signature of Site Engineer

*Hishel*  
28/03/24

Signature of Client

Machine No:- BNT-05

DBH:-195

K.C.T CONSULTANCY SERVICES, AHMEDABAD	
Project: - NTPC	Started on: 01/03/24
Method of Boring: - Hydraulic Drilling	Completed on: 01/03/24
Location: - Ramidgundam, Telangana	Chainage:
BH-No: - 195	Water Table: 3.40m
Depth of Termination: 10.00m	Reference Level: 155.050
Casing: - 3.00m	E:-4624 NI:-277

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.0	Redish Brown, fine to medium grained, silty sand with clay & gravel, * filledup soil → (0.0mt to 0.20mt)		0.0	DS	-	-	-	-			
1.50	Redish Brown, fine to coarse grained, sand stone with soft rock		1.50	Rock	-	-	-	-	30.00%	16.66%	
3.00	DO		3.00	ROCK	-	-	-	-	38.00%	65.33%	
4.50	DO		4.50	ROCK	-	-	-	-	34.00%	19.33%	
6.00	DO		6.00	ROCK	-	-	-	-	56.00%	58.66%	
7.50	DO		7.50	ROCK	-	-	-	-	84.00%	84.00%	
9.00	DO		9.00	ROCK	-	-	-	-	68.66%	68.66%	
10.00	DO		10.00	ROCK	-	-	-	-	92.00%	92.00%	

Signature of Site Engineer: *[Signature]*  
 Signature of Client: \_\_\_\_\_

DBH:-196

Machine No:-07

K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project: - NTPC						Started on: - 01/03/24					
Method of Boring: - Hydraulic Drilling						Completed on: 01/03/24					
Location: - Ramagundam, Telangana						Chainage:					
BH-No. - 196						Water Table: 4.20m					
Depth of Termination: - 10.00mt						Reference Level: - 157.370					
Casing: 6.00mt						E:-4672, N:-254					
Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.0	yellowish Brown, fine to fine grained, silty clay with gravel ← filled up soil → (0.0m to 0.20m)		0.0	DS	-	-	-	-			
1.50	Redish Brown, fine to coarse grained, silty sand with gravels		1.50	SPT	50 10cm	-	-	>100			
3.00	← DO →		3.00	UDS	-	-	-	-			
4.50	← DO → (0.20mt to 5.10mt)		4.50	SPT	50 8cm	-	-	>100			
6.00	Redish Brown, fine to coarse grained, sand stone with soft rock		6.00	Rock	-	-	-	-	50.00%	57.00%	
7.50	← DO →		7.50	Rock	-	-	-	-	49.33%	44.66%	
9.00	← DO →		9.00	Rock	-	-	-	-	55.66%	25.33%	
10.00	← DO →		10.00	Rock	-	-	-	-	26.00%	20.00%	
Signature of Site Engineer						Signature of Client					

*Handwritten signature and date: 01/03/24*

E-4784

N-233

N-2072670

E-340630

BNT-02

## K.C.T CONSULTANCY SERVICES, AHMEDABAD

Project : <b>NTPC</b>	Started on : <b>01/03/2024</b>
Method of Boring : <b>HYDRULIC DRILLING</b>	Completed on : <b>01/03/2024</b>
Location : <b>RAMAGUNDAM</b>	Chainage : <b>-</b>
BH-No. : <b>DBH-107</b>	Water Table : <b>3.4 m</b>
Depth of Termination : <b>10m</b>	Reference Level : <b>156.124</b>
Casing : <b>3m</b>	

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.0	Reddish Brown fine to medium grained silty SANDY CLAY with gravel. (0.0m to 0.50m)		0.0	DS	-	-	-	-			
1.5	Reddish Brown fine to medium grained SAND (0.50m to 2.70m)		1.5	SPT	14	25	30	55			
3.0	Reddish white fine to medium grained SAND stone		3.0	ROCK SPT 5cm	50	-	-	7100	23.0%		
4.5	← DO →		4.5	ROCK	-	-	-	-	31.7%		
6.0	← DO → (2.70m to 6.00m)		6.0	ROCK	-	-	-	-	32.7%		
7.5	Reddish Brown fine to medium grained SAND STONE		7.5	ROCK	-	-	-	-	45.0%		
9.0	← DO →		9.0	ROCK	-	-	-	-	41.0%		
10.0	← DO → (6.00m to 10.00m)		10.0	ROCK	-	-	-	-	46.0%		

Signature of Site Engineer **S. Mondal**

Signature of Client

DBH-198

E=399/  
N=67

BNT-06

Project : <u>NTPC</u>		Started on : <u>19/03/2019</u>
Method of Boring : <u>Hydraulic Drilling</u>		Completed on : <u>20-02-20</u>
Location : <u>Ramagundam</u>		Chainage :
BH-No. <u>DBH-198</u>		Water Table : <u>4.80 mtr ON</u>
Depth of Termination : <u>- 22.50 mt</u>		Reference Level : <u>155.338</u>
Casing : <u>3.0 m</u>		

E=399/N=67

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.0	yellowish Brown fine to very fine grained. Silty Sandy with clay (0.0m to 0.70m)		0.0	DS	-	-	-	-			
1.50	Redish Brown fine to very fine grained size Sandy clay with gravel		1.50	SPT	6	9	20	29			
3.00	← DO →		3.00	SPT	13	17	21	38			
4.50	← DO → (0.70m to 3.70m) Light Brown in yellow fine to very fine grained sandy with soft Rock		4.50	SPT	50 7cm	-	-	>100 ckj			
6.00	← DO → (3.70m to 4.80m) Brownish Red fine to coarse grained Sand Stone Rock.		6.0	Rocm SPT	50 2cm	-	-	>100	0.00%	0.0%	N/A SPT
7.50	← DO →		7.5	Rocm SPT	50 8cm	-	-	>100	3.33%	0.0%	
9.00	← DO →		9.0	Rocm SPT	50 8cm	-	-	>100	6.00%	0.0%	
10.50	← DO →		10.5	Rocm SPT	50 4cm	-	-	>100	14.0%	0.0%	
12.00	← DO →		12.0	Rocm	-	-	-	-	33.0%	9.33	

Signature of Site Engineer

Signature of Client

*[Handwritten Signature]*

Drawing → N-2073030  
E-339343

BNT-05

original ⇒ N-2073028  
E-339347

K.C.T CONSULTANCY SERVICES, AHMEDABAD	
Project: <b>NTPE</b>	Started on: <b>27/02/2024</b>
Method of Boring: <b>RO HYDRAULIC DRILLING</b>	Completed on: <b>27/02/2024</b>
Location: <b>RAMA GUNDAM</b>	Chainage: <b>-</b>
BH-No. <b>DBH-455</b>	Water Table: <b>0.40M</b>
Depth of Termination: <b>12 M</b>	Reference Level: <b>149.266</b>
Casing: <b>4.5 M</b>	<del>6-2073028-N-</del>

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	ROD	Remark
0.0	Reddish BROWN fine to medium grained clay SAND with gravel.		0.0	DS	-	-	-	-			
1.5	DO → (0.0m to 2.70m filled up)		1.5	SPT	2	3	4	7			
3.0	Reddish white fine to medium grained SAND		3.0	UDS	-	-	-	-			
4.5	DO →		4.5	SPT	30	50/10cm	-	7100			
6.0	DO → (2.70m to 6.20m)		6.0	SPT DS	50/8cm	-	-	7100			
7.5	BROWNISH white fine to medium grained SAND STONE		7.5	ROCK	-	-	-	-	25%	13%	
9.0	DO →		9.0	ROCK	-	-	-	-	53%	31%	
10.5	DO →		10.5	ROCK	-	-	-	-	54%	21%	
12.0	DO → (6.20m to 12.0m)		12.0	ROCK	-	-	-	-	78%	59%	

Signature of Site Engineer, **S. Mandal**

Signature of Client

E-74334

BNT-02

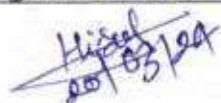
N-77

K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project: <u>NTPC</u>						Started on: <u>20/03/24</u>					
Method of Boring: <u>HYDRAULIC DRILLING</u>						Completed on: <u>20/03/24</u>					
Location: <u>RAMASTUNDAM</u>						Chainage:					
BH-No: <u>DBH-200</u>						Water Table: <u>4.80m</u>					
Depth of Termination: <u>15.00m</u>						Reference Level: <u>157.180</u>					
Casing: <u>3M</u>											
Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.0	Brownish fine to medium grained silty sandy CLAY with gravel. (0.0m to 1.10m)		0.0	DS	-	-	-	-			
1.5	Reddish white fine to medium grained CLAY with morum		1.5	SPT	6	9	15	24			
3.0	← DO →		3.0	SPT	13	30	70	7100			
4.5	← DO → (2.10m to 4.90m)		4.5	SPT	17	41	59	>100			
6.0	Reddish grey fine to medium grained SAND STONE		6.0	ROCK SPT	50	100	-	7100	12%	0%	N/A
7.5	← DO →		7.5	ROCK SPT	50	50	-	7100			N/A
9.00	← DO →		9.00	ROCK SPT	50	60	-	>100			SPT NR/SPT
10.50	← DO →		10.50	ROCK	-	-	-				
12.00	← DO →		12.00	ROCK	-	-	-		20.00%		
13.50	← DO →		13.50	ROCK	-	-	-		17.33%	32.66%	0.0%
15.00	← DO →		15.00	ROCK	-	-	-		14.66%	3.33%	
									52.00%	26.00%	

Signature of Site Engineer

S. mandal

Signature of Client

  
 20/03/24

BNT-05

Local coordinate

N:- 1438

E:- 2414

DBH-201

K.C.T CONSULTANCY SERVICES, AHMEDABAD

Project: NTPC	Started on: 16/3/24
Method of Boring: Hydraulic drilling machine	Completed on: 18/03/24
Location: Ramgundam	Chainage:
BH-No. - DBH-201	Water Table: - 0.70
Depth of Termination:	Reference Level: 146.113
Casing:	

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.00	Brownish mix yellow fine to fine silty sandy with gravel. - fillup		0.00	DS	-	-	-	-			
1.50	DO (0.00 to 1.60M)		1.50	SPT / DS	3	2	4	6			NIR SPT
3.00	Whitish mix yellow fine to fine grained silty sandy some clay with some gravel. (0.60 to 3.10M)		3.00	UDS / SPT	22	36	51	3cm			NIR UDS taken SPT
4.50	Reddish Brown fine to fine coarse grained silty fractured soft rock.		4.50	ROCK / SPT	51			> 300			NIR SPT
6.00	DO (Sandy soft rock)		6.00	ROCK / SPT	51			> 400			NIR ROCK
7.50	DO (Boulder soft rock (3.50 to 7.50M))		7.50	ROCK / SPT	51			> 400			
9.00	DO but Whitish Red sandy soft rock		9.00	Rock	-	-	-	-	56.66%	29.58%	
10.50	DO		10.50	ROCK / SPT	50			5cm	> 200	2.33%	SPT DS NIR
12.00	DO		12.00	ROCK / SPT	50			5cm	> 100		SPT DS NIR
13.50	DO		13.50	ROCK	-	-	-	-	66.00%	12.00%	

Signature of Site Engineer Vaish Kr. Singh

Signature of Client

Hiral  
18/03/24

BNT-05

K.C.T CONSULTANCY SERVICES, AHMEDABAD	
Project : - NTPC	Started on : 16/03/24
Method of Boring : - Hydraulic Drilling	Completed on : 18/03/24
Location : - Ramnagar, Telangana	Chainage :
BH-No : - 201	Water Table : -
Depth of Termination : - 20.00m	Reference Level : 146.13
Casing : - 3.00m	

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
15.00	DO		15.00	ROCK	-	-	-	-	65.33%	26.66%	
16.50	DO		16.50	ROCK	-	-	-	-	73.33%	32.66%	
18.00	DO		18.00	ROCK	-	-	-	-	66.66%	31.33%	
20.00	DO		20.00	ROCK	-	-	-	-	80.5%	62.05%	

Signature of Site Engineer: *Aisul*      Signature of Client:

DBH-202

BNT-04

K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project: <u>NTPC</u>		Method of Boring: <u>Hydraulic Drilling.</u>					Started on: <u>09/4/2024</u>				
Location: <u>Rumadundam</u>		Chainage: <u>-</u>					Completed on: <u>10/4/2024</u>				
BH-No: <u>DBH 202</u>		Water Table: <u>1.20m</u>					Reference Level: <u>145.440</u>				
Depth of Termination: <u>12.00m</u>		Casing: <u>30m</u>									
<u>E-2425/N1402</u>											
Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.0	Brownish yellow fine to very fine grained silty sand with clay (0.0m to 1.20m)		0.0	DS	-	-	-	-			
1.50	Redish Brown fine to very fine grained sandy clay. (1.20m to 2.30m)		1.50	SPT	30	50	-	>100			
3.00	Redish Brown fine to coarse grained sand Stone.		3.00	Recn	50	-	-	3100	20.0	0.0	
4.50	DO		4.50	Recn	50	-	-	700	8.0	0.0	
6.00	DO		6.00	Recn	-	-	-	-	66.0	24.0	
7.50	DO		7.50	Recn	-	-	-	-	75.5	57.5	
9.00	DO		9.00	Recn	-	-	-	-	96.6	62.6	
10.50	DO		10.50	Recn	-	-	-	-	93.3	82.6	
12.00	DO		12.00	Recn	-	-	-	-	86.0	58.0	

Signature of Site Engineer

Signature of Client

[Signature]

DBH-203

K.C.T CONSULTANCY SERVICES, AHMEDABAD	
Project : - NTPC	Started on : - 19/03/24
Method of Boring : - Hydraulic Drilling	Completed on : - 19/03/24
Location : - Ramayandam, Telangana	Chainage :
BH-No - 203	Water Table : - 0.70m
Depth of Termination : - 10.00m	Reference Level : - 145.750
Casing : - 3.00m	

E:-2008, N:-1348

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.0	← filled up soil → (0.0m to 0.40m)		0.0	DS	-	-	-	-			
1.50	grey brownish, fine grained, silty sand with clay & gravels (0.40m to 2.70m)		1.50	SPT	10	12	20	32			
3.00	Redish whitish, fine to coarse grained, sand stone with soft rock		3.00	Rock	-	-	-	-	53.33%	33.33%	
4.50	← DO →		4.50	Rock	-	-	-	-	41.33%	17.33%	
6.00	← DO →		6.00	Rock	-	-	-	-	66.66%	36.00%	
7.50	← DO →		7.50	Rock	-	-	-	-	65.33%	31.33%	
9.00	← DO →		9.00	Rock	-	-	-	-	60.33%	24.00%	
10.00	← DO →		10.00	Rock	-	-	-	-	65.00%	36.00%	

Signature of Site Engineer *[Signature]* Signature of Client

DBH-204

E-2405

N-1130

K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project: <u>NTPC</u>				Started on: <u>19/3/24</u>							
Method of Boring: <u>Hydraulic machine</u>				Completed on: <u>20/3/24</u>							
Location: <u>Ramnagar</u>				Chainage:							
BH-No: <u>-DBH-204</u>				Water Table: <u>0.60M</u>							
Depth of Termination: <u>12.00M</u>				Reference Level: <u>146.879</u>							
Casing: <u>120M</u>											
Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.00	Brownish fine to fine grained silty sandy some clay with gravel (0.00 to 1.10M)		0.00	DS	-	-	-	-			
1.50	Redish brown <sup>yellow</sup> fine to fine coarse grained sandy silty fractured soft Rock		1.50	Rock	-	-	-	-			
3.00	DO		3.00	Rock	-	-	-	-			
4.50	DO		4.50	Rock	-	-	-	-			
6.00	DO		6.00	Rock	-	-	-	-			
7.50	DO		7.50	Rock	-	-	-	-			
9.00	DO		9.00	Rock	-	-	-	-			
10.50	DO		10.50	Rock	-	-	-	-			
12.00	DO (1.10 to 12.00M)		12.00	Rock	-	-	-	-			
Signature of Site Engineer <u>Manoj K. Singh</u>				Signature of Client							

BNT-1

DBH-205

P-2405 No 1130

K.C.T CONSULTANCY SERVICES, AHMEDABAD	
Project: <b>NTDC</b>	Started on: <b>19/03/24</b>
Method of boring: <b>Hydraulic Drilling</b>	Completed on: <b>20/3/2024</b>
Location: <b>Ramajundam</b>	Chainage: <b>-</b>
BH-No: <b>DBH-205</b>	Water Table: <b>-</b>
Depth of Termination: <b>10.0m</b>	Reference Level: <b>146.979</b>
Casing: <b>-</b>	

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	T3	N Value	C.R. %	RQD	Remark
0.00	Redish Brown fine to very fine grained sandy clay with bitton 0.0m to 0.60m		0.00m	DS	-	-	-	-			
1.50	Redish Brown fine to coarse grained. Sand Stone Rock		1.50	Rock	-	-	-	-	62.2%	16.0%	
3.00	DO		3.00	Rock	-	-	-	-	78.0%	6.60%	
4.50	DO		4.50	Rock	-	-	-	-	58.0%	28.0%	
6.0	DO		6.0	Rock	-	-	-	-	73.3%	13.3%	
7.5	DO		7.5	Rock	-	-	-	-	74.0	51.3%	
9.0	DO		9.0	Rock	-	-	-	-	79.3%	7.0	
10.0	DO		10.0	Rock	-	-	-	-	77.0	84.0	

Signature of Site Engineer

*Shyam*

Signature of Client

BH-206  
BNT-PSOJ

Local Coordinate

N → 1130

E → 2482

K.C.T CONSULTANCY SERVICES, AHMEDABAD	
Project: - NTPC	Started on: 18-03-24
Method of Boring: - Hydraulic Drilling	Completed on: 18-03-24
Location: - Rajmugadam	Chainage:
BH-No. - 206	Water Table: 1.20 m
Depth of Termination: - 10.00 m	Reference Level: 145.874
Casing: - 3.00 m	

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.00	Reddish brown fine to grained sand clay soil with 0.8 (0.00 to 0.50) m		0.00	DS	-	-	-	-	-	-	
1.50	Reddish brown gray white mix coarse sand to fine sand stone and fracture rock (0.50 to 1.50) m		1.50	Rock					56.00	32.00	
3.00	Do		3.00	Rock					56.66	8.00	
4.50	Do		4.50	Rock					59.00	20.00	
6.00	Do		6.00	Rock					64.00	25.33	
7.50	Do		7.50	Rock					76.00	19.33	
9.00	Do		9.00	Rock					40.00	35.33	
10.00	Do		10.00	Rock					80.00	80.00	

22

Signature of Site Engineer Arul kumar Sahani  
18/03/24

Signature of Client

PTH-207  
BNT-PSOL

Local ~~Grid~~ Coordinate  
E-2586 N-1122

K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project: - NTPC					Started on: - 16-03-24						
Method of Boring: - Hydraulic Drilling					Completed on: 17-03-24						
Location: - Ramagudam					Chainage:						
BH-No: - 207					Water Table: 1.30m						
Depth of Termination: - 10.00 m					Reference Level: 146.260						
Casing: - 4.50 m											
Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.00	Reddish brown fine to grained sandy clay soil with 0.9.		0.00	DS	-	-	-	-			
0.70	(0.00 to 0.70) m filled up										
1.70	Reddish brown fine to grained clayey sand with soft fracture rock.		1.50	SPT	27	39	48	87			
2.00	Do		3.00	Rock SPT DS	SB	>	>	100			N.R SPT
4.50	Do		4.50	Rock SPT DS	SB	>	>	100			N.R SPT
6.00	Reddish grey brown white mix coarse to fine grained sand stone with fracture rock		6.00	Rock					38.66	32.00	
7.50	Do		7.50	Rock					40.66	30.66	
9.00	Do		9.00	Rock					54.00	54.00	
10.00	Do		10.00	Rock					71.00	71.00	

Signature of Site Engineer Anil K. Sathari

Signature of Client

17/03/24

KCT CONSULTANCY SERVICES, AHMEDABAD

Project: <b>NTPC</b>	Started on: <b>31/03/2024</b>
Method of Boring: <b>Hydraulic Drilling</b>	Completed on: <b>01/04/2024</b>
Location: <b>Ramagundam</b>	Chainage: <b>-</b>
BH-NO: <b>DBH-208</b>	Water Table: <b>1.50m</b>
Depth of Termination: <b>10.50m</b>	Reference Level: <b>145.980</b>
Casing: <b>3.0m</b>	

E-3020, N-1120

Depth in m	Description	Drill Run Time	Depth of sample in m	Types of Sample	N1	N2	N3	N Value	C.R %	RQD	Remark
0.0	grayish to light brown fine to very fine grained silty clay with gravel (filled up soil) (0.0m to 0.40m)		0.0	DS							
0.150	Brownish Red fine to very fine grained silty sandy with clay and moram. (0.40m to 2.20m)		1.50	SPT	50 14m	-	-	>100			
3.00	Reddish Brown fine to very fine grained sandy with soft Rock (2.30m to 3.0m)		3.00	SPT DS	50 21m	-	-	>100			N/A SPT
04.50	Reddish Brown fine to coarse grained sand stone Rock		4.50	Rock						97.33	7.29
6.00	← DO →		6.00	Rock						92.0	86.0
7.50	← DO →		7.50	Rock						75.33	69.21
9.00	← DO →		9.00	Rock						74.0	56.0
10.50	← DO →		10.50	Rock						38.65	27.33

Signature of Site Engineer

Signature of Client

*[Handwritten Signature]*

BH-209  
BNT-06

Local Coordinate  
N → - 87  
E → 1980

K.C.T CONSULTANCY SERVICES, AHMEDABAD	
Project : - <u>NTR</u>	Started on : <u>21-03-24</u>
Method of Boring : - <u>Hydraulic Drilling</u>	Completed on : <u>22-03-24</u>
Location : - <u>Ramagudam</u>	Chainage :
BH-No - <u>209</u>	Water Table : <u>1.30 m</u>
Depth of Termination : <u>10.50 m</u>	Reference Level : <u>154.184</u>
Casing : - <u>3.00 m</u>	

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.00	Brownish fine to grained sandy clay soil with gravel mix.		0.00	DS	-	-	-	-	-	-	-
0.80	← filled up → (0.60 to 0.80) m										
1.50	Reddish brown white mix fine grained clayey sand with 0.8.		1.50	SPT	15	24	39	63			
3.50	(0.80 to 3.50) m		3.00	<u>SDS</u> <u>SPT</u>	21	35	<u>50</u> <u>8cm</u>	100			N-R GDS
4.50	Reddish brown Coarsted to fine grained sand stone with fracture rock (3.50 to 4.50) m		4.50	Rock						73.00	
6.00	← Do →		6.00	Rock						92.00	67.00
7.50	← Do →		7.50	Rock						89.33	23.00
9.00	← Do →		9.00	Rock						87.00	50.00
10.50	← Do →		10.50	Rock						96.00	90.00

Signature of Site Engineer Arif bu. Sahani  
22/3/24

Signature of Client

E - 2171  
N - (82)

K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project : - NTPC						Started on : - 22-07-24					
Method of Boring : - Hydraulic Drilling						Completed on : 23/3/24					
Location : - Ramgudam						Chainage :					
BH-No. - 210						Water Table : 1.60M					
Depth of Termination : 7.50M						Reference Level : - 153.012					
Casing : - 2.60M											
Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.00	Brownish yellow fine to grained sandy clay soil with l.o.g.		0.00	DS	-	-	-	-	-	-	
↓											
1.00	(0.00 to 1.00)m										
↓	Reddish brown fine to grained clayey sand with		1.50	SPT	25	50		100			
	(1.00M to 1.80M)										
3.00	Reddish brown fine to fine coarse grained silty fractured soft Rock.		3.00	Rock	-	-	-	-			
4.50	DO		4.50	Rock	-	-	-	-			
6.00	DO		6.00	Rock	-	-	-	-			
7.50	DO		7.50	Rock	-	-	-	-			
	(1.80 to 7.50M)										
Signature of Site Engineer <i>Sanjay Singh</i>						Signature of Client					

DBH:-211

K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project :- NTPC						Started on : 23/03/24					
Method of Boring :- Hydraulic Drilling						Completed on : 23/03/24					
Location :- Ramagundam, Telangana						Chainage :					
BH-No - 211						Water Table :					
Depth of Termination :- 15.00 m						Reference Level : 154.800					
Casing :- 3.00m						E = 2662, N = (-27)					
Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.0	Brownish yellow, fine to medium, grained. Silty clay with gravels ← billedup soil → (0.0m to 0.20m)		0.0	DS	-	-	-	-			
1.50	Redish whitish, fine to medium grained, sand with gravels & clay.		1.50	SPT	5	6	7	13			
3.00	DO		3.00	SPT	20	50					
4.50	DO (0.20m to 4.80m)		4.50	Rock SPT	50						
6.00	Redish whitish, fine to coarse grained, silty sand stone with soft rock		6.00	Rock	57m						SPT DS
7.50	DO		7.50	Rock							77.33%
9.00	DO		9.00	Rock							63.33% 39.53%
10.50	DO		10.50	Rock							60.66% 3.33%
12.00	DO		12.00	Rock							27.33% 7.33%

Signature of Site Engineer

*Hishal*  
28/03/24

Signature of Client

BNT-02  
 BH# 211

K.C.T CONSULTANCY SERVICES, AHMEDABAD

Project : - NTPC	Started on : - 23/03/24
Method of Boring : - Hydraulic Drilling	Completed on : 23/03/24
Location : - Ramnagar, Tehsil, Talasari	Chainage :
BH-No. - 211	Water Table :
Depth of Termination : - 15.00m	Reference Level : - 154.800
Casing : - 3.00m	

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
13.50	DO		13.50	ROCK	-	-	-	-	83.33%	54.00%	
15.00	DO		15.00	ROCK	-	-	-	-	86.00%	36.00%	

Signature of Site Engineer *[Signature]*  
 23/03/24

Signature of Client

BNT-02  
DBH:-212

K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project : - NTPC						Started on : 22/03/24					
Method of Boring : - Hydraulic Drilling						Completed on : 22/03/24					
Location : - Ramagundam, Telangana						Chainage :					
BH-No. - 212						Water Table :					
Depth of Termination : - 10.00m						Reference Level : 156.120					
Casing : - 8.00m						E: 2630, N: -65					
Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.0	← filled up soil → (0.0m to 1.10m)		0.0	DS	-	-	-	-			
1.50	Brownish, fine to v-fine silty clay with gravels (1.10m to 2.60m)		1.50	SPT	6	6	7	13			
3.00	Reddish Brown, fine to fine grained, silty sand with gravels (2.60m to 3.70m)		3.00	SPT	7	8	17	25			
4.50	Reddish Brown, fine to coarse grained, sand stone with fractured soft rock		4.50	ROCK	-	-	-	-	45.00%		
6.00	← DO → (whitesh mix)		6.00	ROCK	-	-	-	-	36.66%		
7.50	← DO →		7.50	ROCK	-	-	-	-	56.00%		
9.00	← DO →		9.00	ROCK	-	-	-	-	72.66%	31.33%	
10.00	← DO →		10.00	ROCK	-	-	-	-	96.00%	40.00%	
Signature of Site Engineer						Signature of Client					

M. S. S. S.  
22/03/24

E-4177

N-70

K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project: NTPC						Started on: 28/9/24					
Method of Boring: Hydraulic Machine						Completed on: 30/3/24					
Location: Ramagundam						Chainage:					
BH-No: DBH-213						Water Table: 2.10M					
Depth of Termination: 25.00M						Reference Level:					
Casing: 3.00M											
Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.00	Mix brownish whitish yellow fine to fine sandy silty filldup soil with gravel <del>0.00 to 1.50</del>		0.00	DS	-	-	-	-			
1.50	DO (0.00 to 1.90M)		1.50	SPT	8	9	11	20			
3.00	Whitish mix grey fine to fine grained silty sandy some clay with much gravel. (1.90 to 3.10M)		3.00	U/S SPT	16	51 4cm	>	>100			NIR
4.50	Whitish brown fine to fine coarse grained silty fractured Rock		4.50	Rock	-	-	-	-			
6.00	DO (hard Rock)		6.00	Rock	-	-	-	-			
7.50	DO (3.10 to 7.60M)		7.50	Rock	-	-	-	-			
9.00	Reddish brown fine to fine coarse grained silty sand fractured soft Rock		9.00	Rock	-	-	-	-			
10.50	DO		10.50	Rock	-	-	-	-			
12.00	DO		12.00	Rock	-	-	-	-			
13.50	DO		13.50	Rock	-	-	-	-			
Signature of Site Engineer						Signature of Client					

## K.C.T CONSULTANCY SERVICES, AHMEDABAD

Project: <u>NTPC</u>	Started on: <u>28/3/24</u>
Method of Boring: <u>Hydraulic Machine</u>	Completed on: <u>30/3/24</u>
Location: <u>Ramagundam</u>	Chainage:
BH-No. <u>DBH-213</u>	Water Table:
Depth of Termination: <u>25.00M</u>	Reference Level:
Casing: <u>3.00M</u>	

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
15.00	DO		15.00	ROCK	-	-	-	-			
16.50	DO		16.50	ROCK	-	-	-	-			
18.00	DO		18.00	ROCK	-	-	-	-			
19.50	DO		19.50	ROCK	-	-	-	-			
21.00	DO		21.00	ROCK	-	-	-	-			
22.50	DO		22.50	ROCK	-	-	-	-			
24.00	DO		24.00	ROCK	-	-	-	-			
25.00	DO		25.00	ROCK	-	-	-	-			

Signature of Site Engineer Lalit Kr. Singh Signature of Client

BNT-02  
DBH:- 214

K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project: - NTPC						Started on: 21/03/24					
Method of Boring: - Hydraulic Drilling						Completed on: 21/03/24					
Location: - Ramagundam, Telangana						Chainage:					
BH-No. - 214						Water Table: - 1.40 m					
Depth of Termination: - 10.00 m						Reference Level:					
Casing: - 3.00 m						E-2656, N-(157)					
Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.0	← filled up soil → (0.0m to 0.40m)		0.0	DS	-	-	-	-			
1.50	Brownish yellow, fine to medium, grained silty clay with gravels (0.40m to 2.60m)		1.50	SPT	3	6	10	16			
3.00	Whitish Brown, fine to medium, grained silty sand with gravels, (2.60m to 3.70m)		3.00	SPT	4	7	13	20			
4.50	Whitish fine to coarse grained, soft sand stone with soft rock		4.50	Rock SPT	50/6cm	-	-	>100	10.00%	-	
6.00	← DO → (Redish Brown)		6.00	Rock SPT	50/4cm	-	-	>100	8.66%	-	
7.50	← DO →		7.50	Rock	-	-	-	-	12.66%	-	
9.00	← DO →		9.00	Rock	-	-	-	-	22.00%	-	
10.00	← DO →		10.00	Rock	-	-	-	-	87.00%	55.00%	
Signature of Site Engineer						Signature of Client					

*Handwritten signature and date:*  
21/03/24

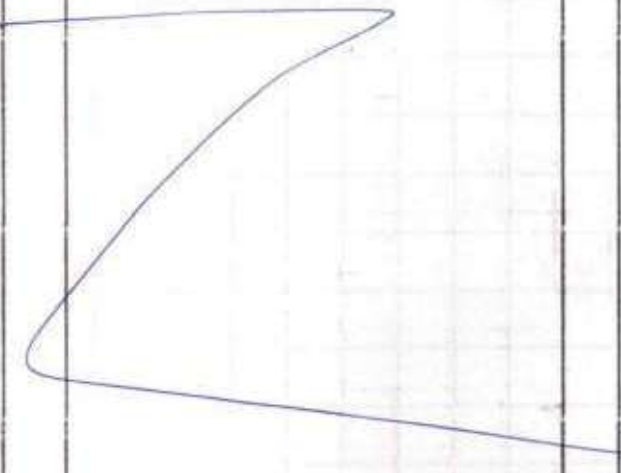
DBH-215

E-2594  
N-1667 BNT-07

K.C.T CONSULTANCY SERVICES, AHMEDABAD

Project: <u>NTPC</u>	Started on: <u>06/04/24</u>
Method of Boring: <u>Ramagadam Hydraulic</u>	Completed on: <u>07/04/24</u>
Location: <u>Ramagadam</u>	Chainage:
BH-No: <u>DBH-215</u>	Water Table: <u>1.50 m</u>
Depth of Termination: <u>10.00 m</u>	Reference Level: <u>144.537</u>
Casing: <u>1.50 m</u>	

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.00	Brownish grey fine to fine grained sandy clay with some gravel (0.00m to 0.20)		0.00m	DS	-	-	-	-			
1.50	Reddish Brown fine to coarse grained sand stone soft rock		1.50m	Rock	-	-	-	-	50%	0.00	
3.00	Do		3.00m	Rock	-	-	-	-	28.33	0.00	
4.50	Do		4.50m	Rock	-	-	-	-	28%	27.33	
6.00	Do		6.00m	Rock	-	-	-	-	22.33	24.33	
7.50	Do		7.50m	Rock	-	-	-	-	55.33	62.33	
9.00	Do		9.00m	Rock	-	-	-	-	78.66	24%	
10.00	Do		10.00m	Rock	-	-	-	-	80%	41%	



Signature of Site Engineer *[Signature]* Signature of Client

Utm:- E1- 2074509

N1- 339225.869

BNT-01

K.C.T CONSULTANCY SERVICES, AHMEDABAD	
Project: <u>NTPC</u>	Started on: <u>16/02/24</u>
Method of Boring: <u>Ramagundam Hydraulic Drilling</u>	Completed on: <u>12/03/24</u>
Location: <u>Ramagundam</u>	Chainage:
BH-No: <u>DBH-216</u>	Water Table: <u>1.30 m<sub>2</sub></u>
Depth of Termination: <u>10.00 m<sub>2</sub></u>	Reference Level: <u>144.539</u>
Casing: <u>300 m<sub>2</sub></u>	<u>E1-2792 N1-1672</u>

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.00	Brownish fine to fine grained silty sand with some gravel filled up soil (0.00m to 0.40m)		0.40m	DS	-	-	-	-			
1.50	Reddish Brown fine to very fine grained silty sand		1.50m	SPT	3	5	8	13			
3.00	DO (0.40m to 2.40m)		3.00m	UDS / SPT	50 / 07m	>	>	100 / R			NR / UDS
4.50	Reddish Brown fine to grained sand stone soft rock		4.50	Rock / SPT	50 / 04m	>	>	100 / R	12.63	0.00	NL / SPT
6.00	DO		6.00m	Rock	-	-	-	-	82.64	20%	
7.50	DO		7.50	Rock	-	-	-	-	96.60	96.60	
9.00	DO		9.00m	Rock	-	-	-	-	79.33	21.33	
10.00	DO		10.00	Rock	-	-	-	-	87%	79%	

Signature of Site Engineer: Pankaj Jaiswal Signature of Client: \_\_\_\_\_

E - 1812  
N - 1845

K.C.T CONSULTANCY SERVICES, AHMEDABAD	
Project: NTPC	Started on: 07/4/24
Method of Boring: Hydraulic Machine	Completed on: 08/4/24
Location: Ramagun dam	Chainage:
BH-No. DBH-217	Water Table: 2.10M
Depth of Termination: 10.00M	Reference Level:
Casing: 5.80M	

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.00	Brownish mix yellowish fine to fine grained silty sandy clay filled up with some gravel.		0.00	DS	-	-	-	-			
1.50	DO		1.50	SPT							
3.00	DO		3.00	UOS	-	-	-	-			
4.50	DO		4.50	SPT							
6.00	(0.00 to 5.10M) Redish brown fine to fine grained silty sandy with some gravel		6.00	UOS SPT	16	51		2100			NIR
7.50	DO (Soft Rock)		7.50	Rock	-	-	-	-			
9.00	DO		9.00	Rock	-	-	-	-			
10.00	DO (5.10 to 10.00M)		10.00	Rock	-	-	-	-			

Signature of Site Engineer: Harinr. Singh. Signature of Client:

K.C.T CONSULTANCY SERVICES, AHMEDABAD	
Project: <b>NTPC</b>	Started on: <b>03/04/24</b>
Method of Boring: <b>Hydraulic Drilling</b>	Completed on: <b>03/04/24</b>
Location: <b>Ramagardan</b>	Chainage:
BH-No: <b>DBH-218</b>	Water Table: <b>1.40 mtl</b>
Depth of Termination: <b>10.00 mtl</b>	Reference Level: <b>145.659</b>
Casing: <b>2.80 mtl</b>	

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.00	Brownish gray fine to coarse grained sandy clay with little gravel filled up soft (0.00m to 0.90m)		0.00m	DS	-	-	-	-			
1.50	Yellowish grey fine to coarse grained sandy with much gravel (0.90m to 2.60m)		1.50m	SPT	50 09m	>	>	140 R			
3.00	Whites grey fine to coarse grained sand stone soft and crushed rock (2.60m to 3.40m)		3.00m	Rock	-	-	-	-	33.33	0.00	
4.50	Reddish Brown fine to coarse grained sand stone soft Rock		4.50m	Rock	-	-	-	-	19.66	0.00	
6.00	DO		6.00m	Rock	-	-	-	-	10.66	0.00	
7.50	DO		7.50m	Rock	-	-	-	-	63.33	36.00%	
9.00	DO		9.00m	Rock	-	-	-	-	63.33	47.50%	
10.00	DO		10.00m	Rock	-	-	-	-	96.00%	0.00	

Signature of Site Engineer: *[Handwritten Signature]*      Signature of Client: \_\_\_\_\_

Project: NTPC	Started on: 15/4/24
Method of Boring: Hydraulic drilling	Completed on: 15/4/24
Location: Ramagundam	Chainage:
BH-No. DBH-219	Water Table: 2' 10M
Depth of Termination: 10.00M	Reference Level:
Casing: 4.20M	

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	CR %	RCD	Remark
0.00	Mix blackish brown fine to fine fill deep soil with fly Ash. (0.00 to 0.70M)		0.00	DS	-	-	-				
1.50	Brownish mix yellow fine to fine grained silty sandy clay with little gravel (0.70 to 1.60M)		1.50	SPT	5	9	12	21			
3.00	Redish brown fine to fine grained silty clay with gravel.		3.00	VDS SPT	22	31	51	>100			NIR
4.50	DO but much gravel. (whitish brown) (1.60 to 4.60M)		4.50	SPT	51	>	>	>100			
6.00	Whitish mix brown fine to fine coarse grained silty sandy fractured soft rock.		6.00	Rock	-	-	-	-			
7.50	DO		7.50	Rock	-	-	-	-			
9.00	DO (Redish brown)		9.00	Rock	-	-	-	-			
10.00	DO (4.60 to 10.00M)		10.00	Rock	-	-	-	-			

Signature of Site Engineer: *Vinay K. Singh*      Signature of Client:

Project: <u>NTDC</u>	Started on: <u>15/04/2024</u>
Method of Boring: <u>Hydraulic Drilling</u>	Completed on: <u>15/04/2024</u>
Location: <u>DBH220 Ramagundam</u>	Chainage:
BH-No: <u>DBH220</u>	Water Table: <u>3.</u>
Depth of Termination: <u>9.0m</u>	Reference Level:
Casing: <u><del>3.0m</del> 3.0m</u>	

Drawn by Coördinats → E3611, nr-1391

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQC	Remark
0.0	Brownish yellow fine to very fine grained silty sandy with clay		0.0	DS							
1.50	DO →		0.150	SPT	5	6	8	14			
	(0.0m to 2.60m)										
3.00	Brownish with gray fine to very fine grained sand with some clay.		3.00	<u>UBS</u> SPT	<u>50</u> 10cm	-	-	<u>2/10</u> (R)			N/K UBS
	2.60m to 3.30m										
4.50	Reddish brown fine to coarse grained sand stone rock.		4.50	Rock					26.66	0.0	
6.00	DO →		6.00	Rock					65.33	23.33	
7.50	DO →		7.50	Rock					93.33	93.33	
9.00	DO →		9.00	Rock					99.66	99.66	

Signature of Site Engineer: [Signature]      Signature of Client: \_\_\_\_\_

[Signature]

Project: **NTD C**

Method of Boring: **Hydraulic Drilling**

Started on: **22/4/24**

Location: **Ramgundam**

Completed on: **22/4/24**

BH-NO: **DBH 222**

Chainage:

Depth of Termination: **12.00 m**

Water Table:

Casing: **3.0 m**

Reference Level:

**E-1834 N-325**

Depth in m	Description	Drill Run Time	Depth of sample in m	Types of Sample	N1	N2	N3	N Value	C.R %	RQD	Remark
0.0	Brownish to yellow fine to coarse fine grained sandy clay with gravel (0.0 m to 0.80 m)		0.0	DS	-	-	-	-			
1.50	Reddish Brown fine to medium grained sandy and some clay with gravel and soft rock (0.80 m to 1.70 m)		1.50	SPT	50	-	-	>100 (R)			
3.00	Reddish Brown fine to very fine grained sand stone rock soft rock (1.70 m to 3.30 m)		3.00	Room SPT	50	-	-	>100 (R)	6/5	0.0	NTR SPT
4.50	Reddish Brown fine to coarse grained sand stone rock		4.50	Room SPT	-	-	-	-	28.0	0.0	
6.00	DO		6.00	Room	-	-	-	-	18.0	0.0	
7.50	DO		7.50	Room	-	-	-	-	28.0	0.0	
9.00	DO		9.00	Room	-	-	-	-	22.0	0.0	

Signature of Site Engineer

Signature of Client

*[Handwritten Signature]*

Project: <b>NTPC</b>	Started on: <b>22/4/24</b>
Method of Boring: <b>Hydraulic Drilling</b>	Completed on: <b>22/4/24</b>
Location: <b>Ramayandam</b>	Chainage:
BH-NO: <b>DBH 229</b>	Water Table:
Depth of Termination: <b>12.00m</b>	Reference Level:
Casing: <b>3.0M</b>	

Depth in m	Description	Drill Run Time	Depth of sample in m	Types of Sample	N1	N2	N3	N Value	C.R %	RQD	Remark
10.80	← 00 →		10.80	RCM	-	-	-	-	66.0	27.33	
12.0	← 00 →		12.00	RCM	-	-	-	-	80.6	15.0	

Signature of Site Engineer \_\_\_\_\_ Signature of Client \_\_\_\_\_

E → 1961

BNT - 05

N → 303

K.C.T CONSULTANCY SERVICES, AHMEDABAD												
Project : <u>NTPC</u>						Started on : <u>20/04/2024</u>						
Method of Boring : <u>HYDRAULIC DRILLING</u>						Completed on : <u>21/04/2024</u>						
Location : <u>PAMA GUN DAM</u>						Chainage :						
BH-No. <u>DBH-223</u>						Water Table :						
Depth of Termination : <u>10 m</u>						Reference Level : <u>159.506</u>						
Casing : <u>6 m</u>												
Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark	
0.0	Brownish fine to medium grained silty sandy CLAY with gravel.		0.0	DS								
1.5	← DO →		1.5	SPT	15	20	35	55				
3.0	← DO → (0.0m to 3.60m)		3.0	UDS DS	-	-	-	-				
4.5	Reddish Brown fine to medium grained SAND with gravel. (3.60m to 5.40m)		4.5	SPT	60	-	-	7/100				
6.0	Reddish white fine to medium grained SAND STONE		6.0	ROCK	-	-	-	-	28%	0%		
7.5	← DO →		7.5	ROCK	-	-	-	-	45%	25%		
9.0	← DO →		9.0	ROCK	-	-	-	-	50%	34%		
10.0	← DO → (5.40m to 10.00m)		10.0	ROCK	-	-	-	-	79%	25%		
Signature of Site Engineer <u>S. Mandal</u>						Signature of Client						

Project : - <u>NTPC</u>	Started on : - <u>21/9/24</u>
Method of Boring : - <u>Hydraulic Drilling</u>	Completed on : - <u>22/9/24</u>
Location : - <u>Ramagudam</u>	Chainage :
BH-No : - <u>DBH-229</u>	Water Table :
Depth of Termination : - <u>10.00m</u>	Reference Level : - <u>160.017</u>
Casing : <u>4.50m</u>	

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.00	Reddish brown fine to grained sandy clay ↓ silt with little g.		0.00	DS	-	-	-	-	-	-	
0.80 (0.00 to 0.80)m	Yellowish brown fine to grained sandy clay ↓ silt with much g.		1.50	SPT	7	15	26	41			
1.95 (0.80 to 1.95)m	Do		3.00	<u>UBS</u> SPT	11	21	32	53			
3.60 (1.95 to 3.60)m	Reddish brown light Coarsed to fine grained sand stone with fracture rock		4.50	Rock							76.25
6.00	Do		6.00	Rock							56.66
7.50	Do		7.50	Rock							74.66 27.27
9.00	Do		9.00	Rock							92.00 47.83
10.00	Do		10.00	Rock							82.00 38.00

Signature of Site Engineer: [Signature] / 22/9/24  
 Signature of Client: \_\_\_\_\_

Project: ← NTPC	Started on: - 20/9/24
Method of Boring: - Hydraulic Drilling	Completed on: - 20/9/24
Location: - Ramagudam	Chainage:
BH-No. - DRH-225	Water Table:
Depth of Termination: - 10.00 mt	Reference Level: 159.586
Casing: - 4.50 mt	

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	CR %	RQD	Remark
0.00	Brownish red mto fine to grained sandy clay suit with little gravel		0.00	PS	-	-	-	-	-		
1.10	(0.00 to 1.10) mt										
1.50	Brownish fine to grained sandy clay suit with s.g.		1.50	SPT	11	16	18	34			
1.95	(1.10 to 1.95) mt										
3.00	Yellowish brown fine to grained sandy clay suit with some s.g.		3.00	VDS SPT	14	21	21	42			VDS N.R
3.45	(1.95 to 3.45) mt										
4.50	Yellowish brown fine to grained sandy clay suit with soft fracture rock mt		4.50	SPT	30	50	5cm	> 100			
4.70	(3.45 to 4.70) mt										
6.00	Grayish brown white light mt coarsed to fine grained sand stone with fracture rock		6.00	Rock							74.61 26.92
6.00	(4.70 to 6.00) mt										
7.50	Reddish brown white mto coarsed to fine grained sand stone with fracture rock		7.50	Rock							72.66 28.66
7.50	(6.00 to 7.50) mt										
9.00	Do		9.00	Rock							92.00 25.33
10.00	Do		10.00	Rock							76.00 63.00

Signature of Site Engineer

*[Signature]*  
20/9/24

Signature of Client

Project: <u>NTPC</u>	Started on: <u>14/4/24</u>
Method of Boring: <u>Hydraulic drilling</u>	Completed on: <u>14/4/24</u>
Location: <u>Ramagesdam</u>	Chainage:
BH-No: <u>DBH-226</u>	Water Table: <u>1.80M</u>
Depth of Termination: <u>10.00M</u>	Reference Level:
Casing: <u>3.50M</u>	

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.I. %	RQD	Remark
0.00	Brownish mix yellow fine to fine grained silty sandy clay filled up with gravel.		0.00	DS	-	-	-	-			
1.50	DO (0.00 to 1.60M)		1.50	SPT	5	7	8	15			
3.00	Redish brown fine to fine grained silty clay formation soft rock (1.60 to 3.40M)		3.00	UDS SPT	23	16	$\frac{51}{8cm}$	>100			NIR
4.50	Redish mix brown yellow fine to fine coarse grained silty sandy stone fractured soft rock.		4.50	Rock	-	-	-	-			
6.00	DO		6.00	Rock	-	-	-	-			
7.50	DO		7.50	Rock	-	-	-	-			
9.00	DO		9.00	Rock	-	-	-	-			
10.00	DO (3.40 to 10.00M)		10.00	Rock	-	-	-	-			

Signature of Site Engineer Sanjiv Singh

Signature of Client

Project : <b>NTPC</b>	Started on : <b>30/03/24</b>
Method of Boring : <b>Hydraulic</b>	Completed on : <b>30/03/24</b>
Location : <b>Ramagendam</b>	Chainage :
BH-No : <b>DBH-227</b>	Water Table : <b>1.45 mtl</b>
Depth of Termination : <b>10.00 mtl</b>	Reference Level : <b>145.859</b>
Casing : <b>3.00 mtl</b>	<b>EL-2802, N:-1620</b>

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.00	Brownish gray fine to fine grained silty clay with gravel filled up soil (0.00m to 0.80m)		0.00	DS	-	-	-	-			
1.50	grayish Black fine to fine grained sand (0.80m to 2.60m)		1.50m	SPT	4	4	5	9			
3.00	Reddish gray fine to fine grained sand with soft stone (2.60m to 3.20m)		3.00m	UPS SPT	50	>	>	100/12			NK UPS
4.50	Reddish Brown fine to coarse grained formation sand (stone soft rock)		4.50m	Rock	-	-	-	-	30%	11%	
6.00	DO		6.00m	Rock	-	-	-	-	88%	88%	
7.50	DO		7.50m	Rock	-	-	-	-	94%	92%	66
9.00m	DO		9.00m	Rock	-	-	-	-	74%	74%	
10.00	DO		10.00m	Rock	-	-	-	-	87%	87%	

Signature of Site Engineer *[Signature]* Signature of Client

Project: <u>NTPE</u>	Started on: <u>24/04/24</u>
Method of Boring: <u>HYDRAULIC DRILLING</u>	Completed on: <u>24/04/24</u>
Location: <u>RAMAGUNDAM</u>	Chainage:
BH-No: <u>DBH 228</u>	Water Table: <u>1.5 M</u>
Depth of Termination: <u>10.00M</u>	Reference Level: <u>147-217</u>
Casing: <u>3.00M</u>	

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.0	Greyish Brown fine to medium grained silty CLAY with gravel.		0.0	DS	-	-	-	-			
1.5	← DO →		1.5	SPT	7	8	10	18			
3.0	← DO → (0.0m to 3.50m)		3.0	SPT	9	11	13	24			
4.5	Greyish white fine to medium grained SAND with ROCK		4.5	ROCK SPT 5cm	-	-	-	7100			
6.0	← DO → (3.50m to 6.00m)		6.0	ROCK SPT 5cm	-	-	-	7100			
7.5	Reddish Brown fine to medium grained SANDSTONE		7.5	ROCK	-	-	-	-	73%	8%	
9.0	← DO →		9.0	ROCK	-	-	-	-	72%	27%	
10.0	← DO → (6.00m to 10.00m)		10.0	ROCK	-	-	-	-	57%	0%	

Signature of Site Engineer

S. Mandal

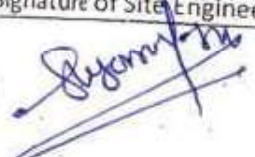
Signature of Client

Project: NTP 6  
 Method of Boring: Hydraulic Drilling  
 Location: Ramagundam  
 BH-NO: D.H. 229  
 Depth of Termination: 10.00m  
 Casing: 6.00m

Started on: 24/4/24  
 Completed on: 24/4/24  
 Chainage:  
 Water Table: 2.75m  
 Reference Level:

E-2338 N-1649

Depth in m	Description	Drill Run Time	Depth of sample in m	Types of Sample	N1	N2	N3	N Value	C.R %	RQD	Remark
0.0	Bluish light brown fine to very fine silty sandy with clay (filled up)		0.0	DS	-	-	-	-			
1.50	← DO → (0.0m to 2.10m)		1.50	SPT	4	5	6	11			
3.00	grayish light brown fine to very fine grain sandy clay with gravel (2.10m to 3.90m)		3.00	UDS SPT	2	3	4	7			N/R UDS
4.50	Brownish light red fine to very fine grain sandy clay with gravel		4.50	SPT	17	50/80m	-	>100 (CR)			
6.00	← DO → (3.90m to 6.90m)		6.00	UDS SPT	50/60m	-	-	>200 (CR)			UDS N/R
7.50	Reddish brown fine to coarse grained sandy clay with soft Recut (6.90m to 8.20m)		7.50	SPT DS	50/80m	-	-	100 (CR)			N/R SPT
9.00	Reddish brown fine to coarse grained sand stone		9.00	Recut	-	-	-	-	16.25%	100%	
10.0	← DO →		10.0	Recut	-	-	-	-	28.0%	0.0%	

Signature of Site Engineer  


Signature of Client

Project: - NTPC  
 Method of Boring: - Hydraulic Drilling  
 Location: - Ramagudam  
 BH-NO: - 281  
 Depth of Termination: - 10 mt  
 Casing: 6 mt

Started on: - 28/4/24  
 Completed on: - 28/4/24  
 Chainage:  
 Water Table:  
 Reference Level: 199.520

Depth in m	Description	Drill Run Time	Depth of sample in m	Types of Sample	N1	N2	N3	N Value	C.R %	RQD	Remark
0.00 ↓ 1.10	filled up silt with see Road (0.00 to 1.10) m		0.00	BS							
↓ 1.95	Brownish red fine to grained clayey Sand with s.g. (1.10 to 1.95)		1.50	SPT	7	9	11	20			
↓ 3.45	Reddish brown fine to grained clayey Sand with little g. (1.95 to 3.45)		3.00	<u>WBS</u> SPT	9	11	13	24			N.R <u>WBS</u>
	<u>Do</u> with white mix (3.45 to 4.95) m		4.50	SPT	8	12	17	29			
	<u>Do</u> (4.95 to 6.45) m		6.00	<u>WBS</u> SPT	9	13	19	32			N.R <u>WBS</u>
	Reddish brown fine to grained clayey Sand with soft rock (6.45 to 7.30) m		7.50	SPT	25	$\frac{50}{7cm}$		> 100			
9.00	Reddish brown coarse to fine grained sand stone and fracture rock (7.30 to 9.00) m		9.00	<u>Rock</u> SPT	34	$\frac{50}{7cm}$		> 100			
10.00	<u>Do</u>		10.00	<u>Rock</u> SPT	$\frac{50}{5cm}$	>	>	100	17.00		

Signature of Site Engineer Anil  
28/4/24

Signature of Client

Project: - NTPC

Method of Boring: - Hydraulic Drilling

Started on: 26/4/24

Location: - Ramagudam

Completed on: 26/4/24

BH-NO: - DBH-232

Chainage:

Depth of Termination: - 10mt

Water Table:

Casing: 6.00mt

Reference Level:

Depth in m	Description	Drill Run Time	Depth of sample in m	Types of Sample	N1	N2	N3	N Value	C.R %	RQD	Remark
0.00 ↓ 0.60	Brownish fine to grained Sandy clayey soil with 0.8. (0.00 to 0.60)mt		0.60	BS	-	-	-	-	-		
↓ 1.95	Yellowish brown fine to grained sandy clayey soil with little g. (0.60 to 1.95)mt		1.56	SPT	5	6	6	12			
3.00	Do		3.00	<del>NDS</del> SPT	5	7	9	16			
4.50	Do with sediments		4.50	SPT	8	15	19	34			
↓ 6.10	Reddish brown white mix light fine to grained clayey sand with soft rock (4.50 to 6.10)mt		6.00	<del>NDS</del> SPT	50	130cm	>	100			
↓ 7.50	Reddish brown light gray coarse to fine sand stone with fracture rock (6.15 to 7.50)mt		7.50	Rock SPT	50	3cm	>	100	45.51	5.88	N.R SPT
9.00	Do		9.00	Rock					37.66		
10.00	Do		10.00	Rock					51.00	25.00	

Signature of Site Engineer Anil  
26/4/24

Signature of Client

Project: - NTPC	Started on: - 27/4/24
Method of Boring: - Hydraulic Drilling	Completed on: - 28/4/24
Location: - Ramagudam	Chainage:
BH-NO - DBH - 233	Water Table:
Depth of Termination: - 10mt	Reference Level: 153.041
Casing: 6mt	

Depth in m	Description	Drill Run Time	Depth of sample in m	Types of Sample	N1	N2	N3	N Value	C.R %	RQD	Remark
0.00 ↓ 0.80	filled up with Rec (0.00 to 0.80) mt		0.00	BS	-	-	-	-	-	-	
↓ 1.95	Brownish yellow fine to grained sandy clay soil with o.g. (0.80 to 1.95) mt		1.50	SPT							
↓ 3.45	Brownish red fine to grained sandy clay soil with little g. (1.95 to 3.45) mt		3.00	UBS SPT							N.R UBS
↓ 4.95	Yellowish brown fine to grained sandy clay soil with o.g. (3.45 to 4.95) mt		4.50	SPT							
↓ 6.50	Do with red mix (4.95 to 6.50) mt		6.00	UBS SPT							N.R UBS
↓ 7.50	Reddish white gray fine to coarse sand stone with fracture rock (6.50 to 7.50) mt		7.50	Rock SPT				100	12.00		N.R SPT
9.00	Do		9.00	Rock SPT				100	29.66		N.R SPT
10.00	Do		10.00	Rock					27.00		

Signature of Site Engineer *[Signature]*  
28/4/24

Signature of Client

D 1811 - 200

N - 2073786  
E - 337868

Project: - NTPC		K.C.T CONSULTANCY SERVICES, AHMEDABAD	
Method of Boring: - Hydraulic Drilling		Started on: - 22/4/24	
Location: - Ramagudam		Completed on: - 22/4/24	
BH-No: - D 1811 - 236		Chainage:	
Depth of Termination: - 10.00 mt		Water Table:	
Casing: - 3.00 mt		Reference Level: 153.474	

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.00 ↓ 0.50	Rcc filled up to (0.00 to 0.50) mt		0.00	DS	-	-	-	-	-		
↓ 3.40	Reddish brown fine grained clayey sand soil (0.50 to 3.40) mt		1.50	SPT	15	21	21	42			
			3.00	UPS SPT	50			> 100			
↓ 4.50	Reddish brown (banded to fine grained sand stone with fracture rock (3.40 to 4.50) mt		4.50	Rock					82.72	57.27	
↓ 6.00	Do		6.00	Rock					83.33	44.00	
↓ 7.50	Do		7.50	Rock					96.66	45.23	
↓ 9.00	Do		9.00	Rock					82.00	30.00	
↓ 10.00	Do		10.00	Rock					78.00	00.00	

Signature of Site Engineer  
*[Signature]*  
22/4/24

Signature of Client

$$X = 338979.568$$

$$Y = 2073142.8$$

BNT-06  
DBH-237

K.C.T CONSULTANCY SERVICES, AHMEDABAD

Project: - NTPC	Started on: 09/04/24
Method of Boring: - Hydraulic Drilling	Completed on: 10/04/24
Location: - Ramagundam, Telangana	Chainage:
BH-No. - 237	Water Table: 3.40m
Depth of Termination: 13.50m	Reference Level:
Casing: 4.70m	

E-3070, N-135

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.0	Brownish, fine to fine grained, clay with some gravels		0.0	DS	-	-	-	-			
1.50	DO		1.50	SPT	4	5	10	15			
	billedup soil (0.0m to 1.80m)										
3.00	Brownish, fine to fine grained, silty clay with gravels & with some sand		3.00	UDS	-	-	-	-			
4.50	DO		4.50	SPT	7	10	12	22			
	DS (1.80m to 5.20m)										
6.00	grey yellow fine to fine grained, silty sand with clay & gravels		6.00	SPT	8	8	40	48			
	(5.20m to 7.80m)										
7.50	DO		7.50	ROCK	50	-	-	>100			
	SPT 6cm (R)										
9.00	Reddish Brown, fine to coarse grained, soft sand stone with soft rock		9.00	ROCK	-	-	-	-	13.53%		
10.50	DO		10.50	ROCK	-	-	-	-	10.66%		
12.00	DO (with white mix)		12.00	ROCK	-	-	-	-	11.66%	23.33%	
13.50	DO		13.50	ROCK	-	-	-	-	68.00%	40.00%	

Signature of Site Engineer: *[Signature]* Signature of Client: *[Signature]*

Project: NTPC	Started on: - 03/04/24
Method of Boring: - Hydraulic Drilling	Completed on: - 05/04/24
Location: - Ramnagar, Telangana	Chainage:
BH-No. 238	Water Table: - 7.60m
Depth of Termination: 20.00m	Reference Level: - 156.880
Casing: 3.00m	

UTM coordinate X = 339229.239, Y = 2073263.2

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.0	← filledup soil → (0.0m to 0.30m)		0.0	DS	-	-	-	-			
1.50	grey redish, fine to fine grained, silty sand with clay (0.30m to 2.80m)		1.50	SPT	6	8	12	20			
3.00	redish Brown, fine to fine grained, silty sand with clay & gravels		3.00	UDS SPT	8	9	14	23	-	-	NR VDS
4.50	← DO →		4.50	SPT	10	13	16	29			
6.00	← DO →		6.00	ROCK SPT DS	3	5	11	16	-	-	NR SPT
7.50	← DO →		7.50	SPT	4	7	10	17			
9.00	← DO →		9.00	SPT	3	5	12	17			
	← filledup soil → (2.80m to 9.40m)										
10.50	redish Brown, fine to medium grained, silty sand & gravels		10.50	SPT	7	6	12	18			
12.00	← DO →		12.00	ROCK SPT	20	19	22	41			
13.50	← DO → (9.40m to 13.80m)		13.50	ROCK SPT	20	50	-	>100			

filledup soil

Signature of Site Engineer

*[Signature]*  
05/04/24

Signature of Client

Project :- <u>NTPC</u>	Started on :- <u>03/04/24</u>
Method of Boring :- <u>Hydraulic Drilling</u>	Completed on :- <u>05/04/24</u>
Location :- <u>Ramagundam, Telangana</u>	Chainage :-
BH-No. :- <u>238</u>	Water Table :- <u>7.60 m</u>
Depth of Termination :- <u>20.00 mt</u>	Reference Level :- <u>156.680</u>
Casing :- <u>3.00 mt</u>	

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQC	Remark
15.00	Redish Brown, fine to coarse grained, Sand Stone with soft rock		15.00	Rock	-	-	-	-	26.66%	-	
16.50	DO		16.50	Rock	-	-	-	-	46.66%	16.00%	
18.00	DO (whiteish)		18.00	Rock	-	-	-	-	44.00%	8.66%	
20.00	DO		20.00	Rock	-	-	-	-	74.50%	12.50%	

Signature of Site Engineer: [Signature]      Signature of Client: \_\_\_\_\_

E-333  
N-335

K.C.T CONSULTANCY SERVICES, AHMEDABAD	
Project: <b>NTPC</b>	Started on: <b>03/4/24</b>
Method of Boring: <b>Hydraulic</b>	Completed on: <b>05/4/24</b>
Location: <b>Ramagundam</b>	Chainage:
BH-No. <b>DDH-239</b>	Water Table: <b>7.80M</b>
Depth of Termination: <b>20.00M</b>	Reference Level:
Casing: <b>3.80M</b>	

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.00	Brownish fine to fine grained silty sandy with some gravel filling soil <del>(0.00 to 0.30M)</del> 0.00 to 8.60M		0.00	DS	-	-	-	-			
1.50	Brownish Red fine to fine grained silty some sand clay with <del>little</del> little gravel.		1.50	SPT	5	8	11	19			
3.00	DO		3.00	UDS SPT	7	9	14	23			
4.50	DO (0.30 to 4.60M)		4.50	SPT	6	10	16	26			
6.00	Yellowish mix brown fine to fine grained silty sandy with some gravel 4.60 to 6.10M		6.00	UDS SPT DS	4	6	9	15			NIR
7.50	Blackish mix Red fine to fine silty clay some sand with some gravel.		7.50	SPT	8	15	15	30			
9.00	DO but (sandy stone <del>bedding</del> ) (6.10 to 9.10M)		9.00	UDS SPT SS	9	16	21	37			NIR
10.50	Redish brown fine to fine grained silty sandy with gravel.		10.50	SPT	10	16	16	32			
12.00	DO but much gravel (9.10 to 12.00M)		12.00	UDS SPT	33	51 4m		300			NIR
13.50	Whitish brown fine to fine coarse grained <del>fine</del> silty sand fractured soft rock		13.50	Rock	-	-	-	-			
15.00	DO		15.00								

Signature of Site Engineer: **Vinod K. Singh**

Signature of Client:

Project : NTPC	Started on : 03/4/24
Method of Boring : Hydraulic	Completed on : 05/4/24
Location : Ramagundam	Chainage :
BH-No. - 239	Water Table :
Depth of Termination :	Reference Level :
Casing :	

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
16.50	— DO —		16.50	Rock	-	-	-	-			
18.00	— DO —		18.00	Rock	-	-	-	-			
20.00	— DO — (12.00 to 20.00M)		20.00	Rock	-	-	-	-			
Signature of Site Engineer						Signature of Client					

Project: - NTPC	Started on: - 06/04/24
Method of Boring: - Hydraulic Drilling	Completed on: - 07/04/24
Location: - Ramdurgdam, Telangana	Chainage:
BH-No. - 240	Water Table: 2.10m
Depth of Termination: - 12.00m	Reference Level: 153.385
Casing: - 7.50m	

E-3292, N-905

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQP	Remark
0.0	Brownish, fine to fine grained, silty clay with sand & gravels		0.0	DS	-	-	-	-			
1.50	← DO → billedup soil (0.0m to 2.30m)		1.50	SPT DS	3	3	4	7	-	-	NR SPT
3.00	Reddish whitish, fine to fine grained, silty sand and traces of gravels		3.00	UDS SPT	3	4	7	12	-	-	NR UDS
4.50	← DO → (2.30m to 5.20m)		4.50	SPT	4	2	10	12			
6.00	grey Brownish, fine to v-fine, silty clay with sand (5.20m to 6.40m)		6.00	UDS SPT	8	6	14	20	-	-	NR UDS
7.50	light reddish Brown, fine to fine grained silty sand with clay (6.40m to 8.20m)		7.50	SPT	7	7	10	17			
9.00	Brownish, fine to fine grained, silty sand with some gravels & clay		9.00	UDS SPT	6	13	50	>100	-	-	NR UDS
10.50	← DO → (but not gravels)		10.50	SPT	24	50	-	>100			

Signature of Site Engineer

*[Signature]*  
07/04/24

Signature of Client

BN7-06  
DBH:-240

K.C.T CONSULTANCY SERVICES, AHMEDABAD	
Project: - NTPC	Started on: - 06/04/24
Method of Boring: - Hydraulic Drilling	Completed on: - 07/04/24
Location: - Ramagundam, Telangana	Chainage:
BH-No. - 240	Water Table: 2.10m
Depth of Termination: - 12.00m	Reference Level: 153.385
Casing: - 7.50m	

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQP	Remark
12.00	DO		12.00	SPT	12	20	25	45			



Signature of Site Engineer: *[Signature]*      Signature of Client: \_\_\_\_\_

Project: <b>NTPC</b>	Method of Boring: <b>Hydraulic Machine</b>	Started on: <b>01/4/24</b>
Location: <b>Ramagundam</b>	BH-No: <b>DMH-241</b>	Completed on: <b>01/4/24</b>
Depth of Termination: <b>10.00M</b>	Casing: <b>4.40M</b>	Chainage:
		Water Table: <b>1.20M</b>
		Reference Level: <b>149.325M</b>

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.00	Redish brown fine to fine grained silty sandy some clay with much fill up soil gravels.		0.00	DS	-	-	-				
1.50	DO (0.00 to 1.80M)		1.50	SPT	3	3	4	7			
3.00	Yellowish mix brown fine to fine grained silty some sand clay with little gravel. (1.80 to 3.10M)		3.00	U3S SPT	4	5	7	12			NIR
4.50	Redish brown fine to fine grained silty some sand clay with much gravels. (3.10 to 4.70M)		4.50	SPT	22	51/6CM	>	>100			
6.00	Redish brown fine to fine coarse grained silty fractured soft rock.		6.00	Rock	-	-	-	-			
7.50	DO		7.50	Rock	-	-	-	-			
9.00	DO		9.00	Rock	-	-	-	-			
10.00	DO (4.70 to 10.00M)		10.00	Rock	-	-	-	-			

Signature of Site Engineer *Hain Kr. Singh*

Signature of Client

BHT-5

Drawing

E-73080

N-72186

K.C.T CONSULTANCY SERVICES, AHMEDABAD

Project: - <u>NTPC</u>	Started on: - <u>14/04/24</u>
Method of Boring: - <u>Hydraulic Drilling</u>	Completed on: <u>15/04/24</u>
Location: - <u>Ramayalam</u>	Chainage:
BH-No. - <u>D BH - 242</u>	Water Table:
Depth of Termination: <u>10 M</u>	Reference Level:
Casing: - <u>4.50 mt</u>	

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.00	Brownish gray fine to grained sandy clay soil with 0.8% silt filled up (0.00 to 1.00) mt		0.00	DS	-	-	-	-			
1.00	Reddish brown <sup>white msp</sup> fine to grained sandy clay soil with little g- (1.00 to 1.50) mt		1.50	SPT	5	7	9	16			
1.50	DO (1.50 to 3.00) mt		3.00	6bf SPT	9	15	19	39			
3.00	Reddish brown fine to grained clayey sand soil (3.00 to 5.30) mt		4.50	SPT	17	25	33	58			
4.50	Reddish Brown fine to medium grained SAND STONE		6.0	ROCK	-	-	-	-	65%	0%	
6.0	DO		7.5	ROCK	-	-	-	-	34%	0%	
7.5	DO		9.0	ROCK	-	-	-	-	75%	8%	
9.0	DO (5.30m to 10.00m)		10.5	ROCK	-	-	-	-	66%	0%	
10.0											

mt

Signature of Site Engineer S. mendal

Signature of Client

Project: NTD  
 Method of Boring: Hydraulic Drilling  
 Location: Dambodh  
 BH-No: DBH 242  
 Depth of Termination: 10.0m  
 Casing: 4.50m  
 Started on: 14/04/2020  
 Completed on: 14/4/2024  
 Chainage: 1  
 Water Table: 0.50m  
 Reference Level: 43.363

Drilling Log Sheet E N

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.0	light Brownish gray fine to very fine grained. Silty sandy with clay (0.0m to 1.40m)		0.0	DS							
1.50	Brownish light gray fine to very fine grained. silty sand with clay.		1.50	SPT	6	8	13	29			
3.00	DO		3.00	UDS							
4.50	DO		4.50	SPT	50/25	60	-	100 (CR)			N/K SPT
6.00	DO		6.00	SPT	25	50/40	-	100 (CR)			N/K SPT
7.50	Brownish Red fine to coarse grained sand Stone Rock		7.50	ROCK						29.3	0.0
9.00	DO		9.00	ROCK						52.0	28.6
10.00	DO		10.00	ROCK						79.0	79.0

Signature of Site Engineer

Signature of Client

Syama J

Project: - NTPC	Started on: - 26/03/24
Method of Boring: - Hydraulic Drilling	Completed on: - 26/03/24
Location: - Ramagundam Telangana	Chainage:
BH-No: - 244	Water Table: 1.60m
Depth of Termination: - 10.00m	Reference Level: - 147.750
Casing: 4.50m	

E - 3140, N - 2059

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	CR %	RQD	Remark
0.0	Brownish yellow, fine to fine grained, Silty clay with gravels		0.0	DS	-	-	-	-			
1.50	← DO → billedup soil (0.0m to 1.90m)		1.50	SPT DS	2	3	5	8	-	-	NR SPT
3.00	yellowish grey, fine to fine grained, silty clay with sand (1.90m to 3.60m)		3.00	UDS SPT	4	7	10	17	-	-	NR UDS
4.50	Redish grey fine to fine grained, silty sand with gravels (3.60m to 4.90m)		4.50	SPT	7	12	50	≥100 6cm (R)			
6.00	Redish Brown, fine to coarse grained soft sand stone with soft rock		6.00	ROCK	-	-	-	-	36.36%	77.27%	
7.50	← DO →		7.50	ROCK	-	-	-	-	41.33%	19.33%	
9.00	← DO →		9.00	ROCK	-	-	-	-	72.66%	69.33%	
10.00	← DO →		10.00	ROCK	-	-	-	-	91.00%	66.00%	

Signature of Site Engineer

*M. S. S. S.*  
26/03/24

Signature of Client

Project: <b>NTPC</b>		K.C.T CONSULTANCY SERVICES, AHMEDABAD	
Method of Boring: <b>Hydraulic Machine</b>		Started on: <b>26/3/24</b>	
Location: <b>Ramagundam</b>		Completed on: <b>26/3/24</b>	
BH-No: <b>-DBH-245</b>		Chainage:	
Depth of Termination: <b>10.00M</b>		Water Table: <b>1.20M</b>	
Casing: <b>6.00M</b>		Reference Level: <b>149.130</b>	

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.00	Yellowish brown fine to fine grained silty some sandy clay with little gravel (0.00 to 0.40M)		0.00	DS	-						
1.50	Whitish mix yellow fine to fine grained silty clay some sand		1.50	SPT	6	5	5	10			
3.00	DO		3.00	UDS	-	-	-	-			
4.50	DO		4.50	SPT	8	14	16	30			
6.00	DO but much gravel (0.40 to 6.30M)		6.00	UDS SPT DS	21	51 3M	>	>100			NIR UDS / SPT taken DS
7.50	Redish brown fine to fine coarse grained silty formation soft Rock.		7.50	Rock SPT	51 7cm	>	>	>100			NIR taken SPT
9.00	DO (Soft Rock)		9.00	Rock	-	-	-	-			
10.00	DO (6.30 to 10.00M)		10.00	Rock	-	-	-	-			

Signature of Site Engineer: *Dhanu Kr. Singh*      Signature of Client: \_\_\_\_\_

BNT-06

DBH :- 248

K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project :- NTPC						Started on :- 02/04/24					
Method of Boring :- Hydrosulic Drilling						Completed on :- 02/04/24					
Location :- Ramnagarndam, Telangana						Chainage :-					
BH-No. 246						Water Table :-					
Depth of Termination :- 8m						Reference Level :- 153.920					
Casing :- 3.10m						E-4592, N-467					
Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.0	Redish, Brown, fine to V-fine grained, clay with sand & gravel										
0.0	Filledup soil (0.00m to 0.20m)		0.0	DS	-	-	-	-			
1.50	Redish Brown, fine fine grained, silty sand with gravels (0.20m to 2.60m)		1.50	SPT	20	50	-	>100 (R)			
3.00	Redish Brown, fine to coarse grained, Sand stone with soft rock		3.00	Rock	-	-	-	-	74.50%		
4.50	DO		4.50	Rock	-	-	-	-	72%	22.66%	
6.00	DO		6.00	Rock	-	-	-	-	75.33%	72.66%	
7.50	DO		7.50	Rock	-	-	-	-	90.00%	85.33%	
8.00	DO		8.00	Rock	-	-	-	-	86%	86%	

Signature of Site Engineer

*Murali*  
02/04/24

Signature of Client

Project: NTPC	Started on: 02/4/24
Method of Boring: Hydraulic Machine	Completed on: 02/4/24
Location: Ramchandam	Chainage:
BH-No. - DBH- 247	Water Table: 1.60M
Depth of Termination: 8.00M	Reference Level:
Casing: 3.10M	

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.00	Brownish fine to fine grained silty sandy with gravel. (0.00 to 0.30M)		0.00	DS	-	-	-	-			
1.50	Redish brown fine to very fine grained silty sandy clay with gravel. (0.90 to 1.70M)		1.50	SPT	16	36	41	77			
3.00	Redish brown fine to fine coarse grained silty sandy formation soft Rock. (1.70M to 3.10M)		3.00	VDS SPT	51	>	>	>100			NIR
4.50	DO but (soft Rock)		4.50	ROCK	-	-	-	-			
6.00	DO		6.00	ROCK	-	-	-	-			
7.50	DO		7.50	ROCK	-	-	-	-			
8.00	DO (But sand stone) 3.10 to 8.00M		8.00	ROCK SPT	11	51	>	>100			NIR

Signature of Site Engineer

Vijaykr. Singh.

Signature of Client

Project: NTPC	Started on: 06/4/24
Method of Boring: Hydraulic machine	Completed on: 06/4/24
Location: Raonageh dam	Chainage:
BH-No. - DBH-248	Water Table: 1.51M
Depth of Termination: 8.00M	Reference Level:
Casing: 4.40M	

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.00	Brownish fine to fine grained silty sandy with gravels. (0.00 to 0.30M)		0.00	DS	-	-	-	-			
1.50	Brownish mix yellow fine to very fine grained silty some sand clay with some gravels.		1.50	SPT	6	8	11	19			
3.00	Do (0.30 to 3.10M)		3.00	UDS	-	-	-	-			
4.50	Redish brown fine to very fine grained silty sandy with some gravels. (3.10 to 4.60M)		4.50	SPT	18	$\frac{51}{3m}$	>	>100			
6.00	Redish mix brown fine to fine coarse grained silty fractured soft Rock.		6.00	Rock	-	-	-	-			
7.50	Do (Whitish soft Rock)		7.50	Rock	-	-	-	-			
8.00	Do (4.60 to 8.00M)		8.00	Rock OS	-	-	-	-			NIR

Signature of Site Engineer

Davin K. Singh.

Signature of Client

Y = 2073272.35

K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project : - NTPC						Started on : - 01/04/24					
Method of Boring : - Hydraulic Drilling						Completed on : - 01/04/24					
Location : - Ramagundam, Telangana						Chainage :					
BH-No. - 249						Water Table :- 1.10m					
Depth of Termination : - 08m						Reference Level : - 148.553					
Casing : - 3.0m						Local coordinate :- E-3586, N-435					
Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	ROD	Remark
	Yellowish Brown, fine to fine grained, silty clay with sand										
	← billedup soil → (0.0m to 0.20m)		0.0	DS	-	-	-	-			
1.50	Yellow Brownish, fine fine grained, silty sand with some clay		1.50	SPT	5	6	8	14			
3.00	← DO → (but grey colored) (0.20m to 3.50m)		3.00	UDS SPT	50 6m	-	-	>100			
4.50	Reddish Brown, fine to fine grained. Soft sand stone with soft rock		4.50	Rock	18.00%	-	-	-	18.00%		
6.00	← DO →		6.00	Rock	-	-	-	-	63.33%		69.35%
7.50	← DO →		7.50	Rock	-	-	-	-	71.33%		49.33%
8.00	← DO →		8.00	Rock	-	-	-	-	76.00%		20.00%
Signature of Site Engineer						Signature of Client					

K.C.T CONSULTANCY SERVICES, AHMEDABAD

Project: - NTPC	Started on: 31/03/24
Method of Boring: - Hydraulic Drilling	Completed on: 31/03/24
Location: - Ramagundam, Telangana	Chainage:
BH-No.: - 250	Water Table: - Nil
Depth of Termination: - 4.50 m	Reference Level:
Casing: - 1.0 m	

E-3500 N-610

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.0	grey Brownish, fine to U-fine, silty clay with sand & gravels ← filled up soil → (0.0m to 0.20m)		0.0	DS	-	-	-	-			
1.50	Redish Brown, fine fine grained Silty sand (0.20m to 1.00m)		1.50	SPT DS	50			>100 (R)			
3.00	Redish Brown, fine to coarse grained. Soft sand stone with soft rock		3.00	Rock	-	-	-	-	100%	86.42%	
4.50	← DO →		4.50	Rock	-	-	-	-	84.00%	84.00%	

Signature of Site Engineer

*M. S. S.*  
31/03/24

Signature of Client

K.C.T CONSULTANCY SERVICES, AHMEDABAD	
Project: <u>NTPC</u>	Started on: <u>31/3/24</u>
Method of Boring: <u>Hydraulic Machine</u>	Completed on: <u>31/3/24</u>
Location: <u>Ramagendram</u>	Chainage:
BH-No. - <u>DBH-251</u>	Water Table: <u>1.70M</u>
Depth of Termination: <u>8.00M</u>	Reference Level:
Casing: <u>3.20M</u>	

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.00	Brownish fine to fine grained silty sandy clay with some gravel (0.00 to 0.40M)		0.00	DS	-	-	-	-			
1.50	Brownish mix yellow fine to fine grained silty sandy clay with some gravel.		1.50	SPT	3	5	9	14			
3.00	DO (0.40 to 3.20M)		3.00	UDS SPT	8	11	21	32			NIR UDS
4.50	Reddish mix white fine to fine grained silty sandy <del>sandy</del> formation soft rock.		4.50	Rock SPT	51	>	>	>100			NIR S
6.00	DO (soft rock)		6.00	Rock	-	-	-	-			
7.50	DO		7.50	Rock	-	-	-	-			
8.00	DO (3.20 to 8.00M)		8.00	Rock	-	-	-	-			

Signature of Site Engineer: Arvin K. Singh.      Signature of Client:

Project: - NTPC	Started on: - 08/04/24
Method of Boring: - Hydraulic Drilling	Completed on: - 08/04/24
Location: - Ramagundam, Telangana	Chainage:
BH-No - 252	Water Table: - Nil
Depth of Termination: - 08m	Reference Level: 145.659
Casing: B.10M	

F-3280 N-725

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	CR %	RQD	Remark
0.0	← filled up soil → (0.0m to 1.30m)		0.0	DS	-	-	-	-			
1.50	Redish Brown, fine to grained, Silty sand with clay & some gravels (1.30m to 2.90m)		1.50	SPT	7	4	7	11			
3.00	Dark Brownish, fine to very fine, silty clay with sand		3.00	UDS / SPT	7	7	10	17			NR / UDS Split
4.50	← DO → (but Redish sand) (2.90m to 4.80m)		4.50	SPT	50	-	-	>100 (#)			
6.00	Redish Brown, fine to coarse grained, Soft sand stone with soft rock		6.00	Rock	-	-	-	-	86.33%	11.66%	
7.50	← DO →		7.50	Rock	-	-	-	-	100.00%	20.66%	
8.00	← DO →		8.00	Rock	-	-	-	-	36.00%	24.00%	

Signature of Site Engineer: *[Signature]*      Signature of Client: \_\_\_\_\_

Project: <u>NTPC</u>	Started on: <u>09/04/24</u>
Method of Boring: <u>Hydraulic</u>	Completed on: <u>09/04/24</u>
Location: <u>Ramaganam</u>	Chainage: _____
BH-No: <u>DBH-253</u>	Water Table: <u>1.40 m<sub>2</sub></u>
Depth of Termination: <u>8.00 m<sub>2</sub></u>	Reference Level: _____
Casing: <u>0.00 m<sub>2</sub></u>	

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.00	Brownish yellow fine to fine silty sand filled up with (0.00m to 0.60m)		0.00m	DS	-	-	-	-			
1.50	grayish fine to very fine silty sand		1.50m	SPT	5	7	11	18			
3.00	<del>DO</del> DO		3.00m	<del>DO S</del> SPT	9	16	20	36			<del>N.R.</del> <del>DO S</del>
4.50	DO (0.60m to 5.40m)		4.50m	SPT	15	17	32	49			
6.00	Brownish yellow fine to coarse grained sand with 0.9 (5.40m to 6.70m)		6.00m	<del>DO S</del> SPT	18	22	50	100			<del>N.R.</del> <del>DO S</del>
7.50	Reddish Brown fine to coarse grained sand stone soft Rock		7.50m	Rock	-	-	-	-	22.5	0.10	
8.00	DO		8.00m	Rock	-	-	-	-	20%	0.10	

Signature of Site Engineer 

Signature of Client \_\_\_\_\_

**KCT Consultancy Services, Ahmedabad**

**RESULTS OF LABORATORY TEST**

Project :- Proposed structures in STPP St:2 of NTPC at Telangana

BH No. :- DBH 01

Co-Ordinate :- N 1723, E 3447

Reduced Level :- 147.5 m

Sr No	Depth of Sample	Type of Sample	Field Bulk Density gm / cc	Field Dry Density gm / cc	Natural Moisture Content %	Specific Gravity	Grain Size Analysis			Consistency limits			Shrinkage Limit %	Swelling Pressure Kg/cm <sup>2</sup>	Free Swell Index %	Soil Classification	Shear Parameter		Type of Shear Test	Point Load Index in rock Kg/cm <sup>2</sup>	Consolidation Parameters				Rock Quality Designation %	Void Ratio	Porosity %			
							Gravel %	Silt %	Clay %	Liquid Limit %	Plastic Limit %	Plasticity Index %					Cohesion C Kg/cm <sup>2</sup>	Angle of Internal Friction $\phi$ Degree			Unconfined Compression Test Kg/cm <sup>2</sup>	Compression Index C <sub>c</sub> cm <sup>2</sup> /kg	Volume Compressibility mm	Pre-consolidation Pressure kg/cm <sup>2</sup>				SPT N Value		
1	0.00	DS	-	-	-	-	4	74	22	26	19	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
2	1.50	SPT	-	-	-	-	6	64	30	49	39	10	-	-	-	-	-	-	-	-	-	9	-	-	-	-	-	-		
3	3.00	UDS	1.80	1.33	35.36	2.51	2	52	46	43	29	14	-	-	-	-	-	0.00	27	-	-	DSU	-	-	-	-	-	0.89	47.0	
4	4.50	SPT	-	-	-	-	6	72	22	26	16	10	-	-	-	-	-	-	-	-	-	-	>100	-	-	-	-	-	-	
5	6.00	SPT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	>100	-	-	-	-	-	-	
6	7.50	UDS	2.27	2.02	12.29	2.69	-	-	-	-	-	-	-	-	-	-	-	-	-	76.7	4.2	UCS	-	-	-	-	-	29.33	0.33	24.9
7	9.00	UDS	2.24	1.98	13.24	2.68	-	-	-	-	-	-	-	-	-	-	-	-	-	139.6	-	UCS	-	-	-	-	-	30.00	0.35	26.2
8	10.00	UDS	2.23	1.96	13.90	2.69	-	-	-	-	-	-	-	-	-	-	-	-	-	246.0	20.3	UCS	-	-	-	-	-	59.00	0.37	27.2

**KCT Consultancy Services, Ahmedabad**

**RESULTS OF LABORATORY TEST**

Project :- Proposed structures in STPP St:2 of NTPC at Telangana  
 BH No. :- DBH 02  
 Co-Ordinate :- N 1599, E 3200  
 Reduced Level :- 147.5 m

Sr No	Depth of Sample	Type of Sample	Field Bulk Density gm / cc	Field Dry Density gm / cc	Natural Moisture Content %	Specific Gravity	Grain Size Analysis				Consistency limits			Shrinkage Limit %	Swelling Pressure Kg/cm <sup>2</sup>	Free Swell Index %	Soil Classification	Shear Parameter		Type of Shear Test	Point Load Index in rock Kg/cm <sup>2</sup>	Unconfined Compression Test Kg/cm <sup>2</sup>	Type of Shear Test	Consolidation Parameters				Rock Quality Designation %	Void Ratio	Porosity %
							Gravel %	Sand %	Silt %	Clay %	Liquid Limit %	Plastic Limit %	Plasticity Index %					Cohesion C Kg/cm <sup>2</sup>	Angle of Internal Friction $\phi$ Degree					Compression Index C <sub>c</sub>	Coefficient of Volume Compressibility mm <sup>2</sup> /kg	Pre-consolidation Pressure kg/cm <sup>2</sup>	SPT N Value			
1	0.00	DS	-	-	-	-	8	78	14	26	16	10	-	-	-	-	Filled up Soil	-	-	-	-	-	-	-	-	-	-	-	-	
2	1.50	SPT	-	-	-	-	4	17	68	35	25	10	-	-	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	
3	3.00	SPT	-	-	-	-	4	78	18	25	14	11	-	-	-	-	SC	-	-	-	-	-	-	16	-	-	-	-	-	
4	4.50	SPT	-	-	-	-	8	54	38	33	15	18	-	-	-	-	SC	-	-	-	-	-	-	20	-	-	-	-	-	
5	6.00	UDS	2.02	1.64	23.31	2.65	2	75	23	28	13	15	-	-	-	-	SC	0.05	27	-	-	-	-	-	DSU	-	-	0.62	38.2	
6	7.50	UDS	2.28	2.03	12.15	2.70	-	-	-	-	-	-	-	-	-	-	ROCK	-	-	228.9	27.0	UCS	-	-	-	-	-	55.33	0.33	24.7
7	9.00	UDS	2.30	2.05	12.12	2.73	-	-	-	-	-	-	-	-	-	-	ROCK	-	-	246.1	-	UCS	-	-	-	-	-	87.33	0.33	24.9
8	10.00	UDS	2.21	1.91	15.50	2.72	-	-	-	-	-	-	-	-	-	-	ROCK	-	-	126.1	20.5	UCS	-	-	-	-	-	83.00	0.42	29.7

**KCT Consultancy Services, Ahmedabad**

**RESULTS OF LABORATORY TEST**

Project :- Proposed structures in STPP St:2 of NTPC at Telangana

BH No. :- DBH 03

Co-Ordinate :- N 1599, E 3400

Reduced Level :- 147.5 m

Sr No	Depth of Sample	Type of Sample	Field Bulk Density gm / cc	Field Dry Density gm / cc	Natural Moisture Content %	Specific Gravity	Grain Size Analysis				Consistency limits			Shrinkage Limit %	Swelling Pressure Kg/cm <sup>2</sup>	Free Swell Index %	Soil Classification	Shear Parameter		Type of Shear Test	Point Load Index in rock Kg/cm <sup>2</sup>	Unconfined Compression Test Kg/cm <sup>2</sup>	Type of Shear Test	Consolidation Parameters				SPT N Value	Rock Quality Designation %	Void Ratio	Porosity %	
							Gravel %	Sand %	Silt %	Clay %	Liquid Limit %	Plastic Limit %	Plasticity Index %					Cohesion C Kg/cm <sup>2</sup>	Angle of Internal Friction φ Degree					Compression Index C <sub>c</sub>	Coefficient of Volume Compressibility mm	Pre-consolidation Pressure kg/cm <sup>2</sup>						
1	0.00	DS	-	-	-	-	9	63	28	25	16	9	-	-	-	-	Filled up Soil	-	-	-	-	-	-	-	-	-	-	-	-	-		
2	1.50	SPT	-	-	-	-	8	52	40	35	25	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
3	3.00	UDS	1.92	1.48	29.94	2.65	0	40	49	23	46	26	-	-	-	-	CI	0.52	7	-	-	-	TUU	0.20	0.0200	0.41	-	-	-	-	0.79	44.2
4	4.50	SPT	-	-	-	-	16	70	14	24	14	10	-	-	-	-	SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5	6.00	UDS	2.16	1.85	16.99	2.69	-	-	-	-	-	-	-	-	-	-	W.ROCK	-	-	-	11.8	-	-	-	-	-	-	-	-	0.46	31.4	
6	6.00	SPT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	W.ROCK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
7	7.50	UDS	2.17	1.87	16.26	2.68	-	-	-	-	-	-	-	-	-	-	W.ROCK	-	-	-	13.3	79.6	UCS	-	-	-	-	-	-	0.44	30.4	
8	9.00	UDS	2.23	1.95	14.15	2.70	-	-	-	-	-	-	-	-	-	-	ROCK	-	-	-	-	153.4	UCS	-	-	-	-	-	9.33	0.38	27.6	
9	10.00	UDS	2.22	1.94	14.32	2.69	-	-	-	-	-	-	-	-	-	-	ROCK	-	-	-	176.0	176.0	UCS	-	-	-	-	-	13.00	0.39	27.8	