

K.C.T CONSULTANCY SERVICES, AHMEDABAD

Project : <u>NITPC</u>	Started on :
Method of Boring : <u>Hydrolic</u>	Completed on :
Location : <u>Ramgundam</u>	Chainage :
BH-No. : <u>1-DBH-33</u>	Water Table :
Depth of Termination : <u>20.00 m</u>	Reference Level :
Casing : <u>2.00 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
16.50	Do		16.50	Rock	-	-	-	-			
18.00	Do		18.00m	Rock	-	-	-	-			
20.00	Do		20.00m	Rock	-	-	-	-			

Signature of Site Engineer *Pawan Shrivastava* Signature of Client

# K.C.T. Consultancy Services®

Project : TELANGANA STPP ST-II

Bore Hole No. : DBH-34

Location : ACC U#3

Depth of Termination : 18.0 M

Co-ordinates: E 2556, N 1185

Reduced Level: 145.5 m

Depth of Water Table : Encountered at 0.95 m depth during investigation

Date of Start: 20-02-2024

Date of Completion: 21-02-2024

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	[Pattern]	Dark brownish red, fine to medium grained, clayey sand with fractured rock fragments <b>0.00 to 0.60m</b>	0.00	0.00	0.60	DS	-	-	-	-	-	-						
	0.50																			
	1.00			[Pattern]	Highly weathered, weak, fine to very fine grained, rock with moderately close spacing of discontinuities <b>0.60 to 2.50m</b>	1.50	0.60	1.50	CORE	-	-	-	-	62.22	22					
	1.50																			
	2.00																			
	2.50																			
	3.00					[Pattern]	Slightly weathered, weak, dark brownish red, fine to very fine grained, massive rock <b>2.50 to 4.30m</b>	3.00	1.50	3.00	CORE	-	-	-	-	77.33	77.33			
	3.50																			
	4.00																			
	4.50																			
	4.50	[Pattern]	Moderately weathered, weak, dark brownish red, fine to very fine grained, rock with wide spacing of discontinuities <b>4.30 to 7.20m</b>			4.50	3.00	4.50	CORE	-	-	-	-	69.33	41.33					
	5.00																			
	5.50																			
	6.00																			
	6.00																			
	6.50																			
	7.00	Not used	[Pattern]	Slightly weathered, weak, light brownish and brownish red, fine to very fine grained, rock with moderately close spacing of discontinuities <b>7.20 to 10.30m</b>	7.50	6.00	7.50	CORE	-	-	-	-	44.00	28.66						
	8.00																			
	8.50																			
	9.00																			
9.50																				
10.00																				
10.50																				
11.00																				
11.50																				
12.00																				
12.50																				
13.00																				
13.50																				
14.00																				
14.50																				
15.00				Slightly weathered, weak to moderately weak, brownish, fine to medium grained, massive rock	15.00	13.50	15.00	CORE	-	-	-	-	88.33	80.66						
15.50																				
16.00																				
16.50																				
17.00																				
17.50																				
18.00					18.00	16.50	18.00	CORE	-	-	-	-	97.33	95.33						
<b>12.00 to 18.00m</b>																				

Actual Coordinates K17-01

DBH 35 E=3019.873  
N=1163.75

K.C.T CONSULTANCY SERVICES, AHMEDABAD

Project: <b>NTDC</b>	Started on: <b>04/10/2024</b>
Method of Boring: <del>Rock</del> <b>Hydraulic Drilling</b>	Completed on: <b>11/11/2024</b>
Location: <b>Ramagundam.</b>	Chainage: <b>←</b>
BH-No. <b>DBH 35</b>	Water Table: <b>1.50m 05/10/2024</b>
Depth of Termination: <b>15.00M</b>	Reference Level: <b>195.730</b>
Casing: <b>3.0M</b>	
Drawing coordinates → E=2830, N=1166	

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	CR %	RSD	Remark
0.0	Brownish light grey fine to very fine grained silty clay with gravels (Filled up) (0.0m to 0.40m)		0.0	D3	-	-	-	-			
1.50	Brownish light Red fine to very fine grained silty sandy with clay and soft rock. (0.40m to 1.00m)		1.50	SPT $\frac{50}{46}$	-	-	-	>100 (R)			
3.00	Reddish Brown fine to coarse grained Sand Stone Rock.		3.00	Rock	-	-	-	-	32.35	0.0	
4.5	← DO →		4.5	Rock	-	-	-	-	4.46	12.33	
6.0	← DO →		6.0	Rock	-	-	-	-	99.37	8.11	
7.5	← DO →		7.5	Rock	-	-	-	-	96.0	50.0	
9.0	← DO →		9.00	Rock	-	-	-	-	82.00	60.0	40.0
10.5	← DO →		10.5	Rock	-	-	-	-	83.37	54.66	
12.0	← DO →		12.0	Rock	-	-	-	-	44.66	12.66	
13.5	← DO →		13.5	Rock	-	-	-	-	36.0	0.0	
15.0	← DO →		15.0	Rock	-	-	-	-	94.66	88.66	

Signature of Site Engineer

Signature of Client

*[Handwritten Signature]*

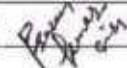
Actual coordinates E1 - 2074122  
N1 - 339261

BNT-04

K.C.T CONSULTANCY SERVICES, AHMEDABAD

Project: <u>NTPC</u>	Started on: <u>23/02/24</u>
Method of Boring: <u>Hydraulic</u>	Completed on: <u>26/02/24</u>
Location: <u>Ramagundam</u>	Chainage:
BH-No. <u>DBH-36</u>	Water Table: <u>1.95m</u>
Depth of Termination: <u>15.00m</u>	Reference Level: <u>145.781</u>
Casing: <u>4.00m</u>	Co-ordinates: <u>E1-2930 N1-1152</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	greyish brown fine to fine silty clay filled up soil (0.00m to 0.90m)		0.00m	DS	-	-	-	-			
1.50	Brownish reddish brown fine to very fine silty clay with some gravel		1.50m	SPT	5	7	10	17			
3.00	Do (0.90m to 2.10m)		3.00m	<del>DS</del> SPT	9	12	20	32			
4.50	whitish grey fine to coarse grained silt formation soft Rock		4.50m	Rock	-	-	-	-	52.5	32.5	
6.00	Do (but reddish brown)		6.00m	Rock	-	-	-	-	68.66	0.00	
7.50	Do		7.50m	Rock	-	-	-	-	77.33	0.00	
9.00	Do		9.00m	Rock	-	-	-	-	76%	13.33	
10.50	Do		10.50m	Rock	-	-	-	-	58.66	8.66	
12.00	Do		12.00m	Rock	-	-	-	-	98%	64%	
13.50	Do		13.50m	Rock	-	-	-	-	44%	40.66	
15.00	Do		15.00m	Rock	-	-	-	-	42%	42%	

Signature of Site Engineer  Signature of Client

K.C.T CONSULTANCY SERVICES, AHMEDABAD

Project: <b>NTPC</b>	Started on: <b>23/02/24</b>
Method of Boring: <b>Hydrolic</b>	Completed on: <b>25/02/24</b>
Location: <b>Ramagundam</b>	Chainage:
BH-No: <b>DBH-37</b>	Water Table: <b>0.95m</b>
Depth of Termination: <b>15.00m</b>	Reference Level: <b>146.015</b>
Casing: <b>3.00m</b>	Co-ordinates: <b>E1-2803 N1-1125</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 silty clay with some gravel (0.00m to 0.90m)		0.00	DS	-	-	-	-			
1.50	Whites grey fine coarse grained silty sand stone soft rock		1.50m	Rock	-	-	-	-	80%	53-33	
3.00	DO (But reddish brown)		3.00m	Rock	-	-	-	-	52%	47-33	
4.50	DO		4.50m	Rock	-	-	-	-	74%	56%	
6.00	DO		6.00m	Rock	-	-	-	-	85%	0.00	
7.50	DO		7.50m	Rock	-	-	-	-	84%	26-66	
9.00	DO (But whites grey)		9.00m	Rock	-	-	-	-	86%	30-66	
10.50	DO		10.50m	Rock	-	-	-	-	83%	36%	
12.00	DO		12.00m	Rock	-	-	-	-	88%	30%	
13.50	DO		13.50m	Rock	-	-	-	-	68%	35-33	
15.00	DO		15.00m	Rock	-	-	-	-	80%	0.00	

Signature of Site Engineer

*[Handwritten Signature]*

Signature of Client

# K.C.T. Consultancy Services®

Project : TELANGANA STPP ST-II

Bore Hole No. : DBH-38

Location : AIR REC

Depth of Termination : 15.0 m

Co-ordinates: E 2862, N 1128

Reduced Level: 145.50M

Depth of Water Table : Encountered at 0.80 m depth during investigation

Date of Start: 22-02-2024

Date of Completion: 23-02-2024

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	To		N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	N						
						m	m											
Rotary drilling method	0.00	Used	[Hatched Box]	Light brownish red, fine to medium grained, clayey sand with occasional gravels and fragments of rock <b>0.00 to 0.10m</b>	0.00	0.00	0.10	DS	-	-	-	-	-	-				
	0.50			Slightly weathered, weak brownish white, fine to very fine grained, closely spacing of discontinuities <b>0.10 to 1.60m</b>														
	1.00																	
	1.50						1.50	0.10	1.50	CORE	-	-	-	-	81.42	16		
	2.00																	
	2.50																	
	3.00																	
	3.50					Slightly weathered, weak brownish white, fine to very fine grained, moderately close spacing of discontinuities <b>1.60 to 6.00m</b>	3.00	1.50	3.00	CORE	-	-	-	-	78.66	26.66		
	4.00																	
	4.50																	
	5.00																	
	5.50																	
	6.00																	
	6.50																	
	7.00						Slightly weathered, weak, brownish red, fine to medium grained, fractured rock <b>6.00 to 9.00m</b>	6.00	4.50	6.00	CORE	-	-	-	-	95.33	8.00	
	7.50																	
	8.00																	
	8.50																	
9.00																		
9.50																		
10.00																		
10.50				Slightly weathered, moderately weak, brownish red, fine to medium grained, with wide spacing of discontinuities <b>9.00 to 12.00m</b>	10.50	9.00	10.50	CORE	-	-	-	-	98.00	39.33				
11.00																		
11.50																		
12.00																		
12.50																		
+ 13.00																		
13.50				Slightly weathered, moderately weak, brownish red, fine to medium grained, massive rock	13.50	12.00	13.50	CORE	-	-	-	-	98.66	98.66				
14.00																		
14.50																		
15.00																		
<b>12.00 to 15.00m</b>																		

E-2982

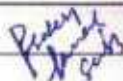
N-1093

## K.C.T CONSULTANCY SERVICES, AHMEDABAD

Project: <u>NTPC</u>	Started on: <u>08/04/24</u>
Method of Boring: <u>Hydraulic</u>	Completed on: <u>08/04/24</u>
Location: <u>Ramagledam</u>	Chainage:
BH-No. <u>DBH-40</u>	Water Table: <u>1.60 mrl</u>
Depth of Termination: <u>10.00 mrl</u>	Reference Level: <u>148.370</u>
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	grayish brown fine to fine grained silty sand with gravel (0.00m to 0.40m)		0.00m	DS	—	—	—	—			
1.50	grayish light grayish fine to very fine silty sand		1.50m	SPT	7	11	15				
3.00	Do (0.40m to 3.60m)		3.00m	40.5 SPT	9	8	14				
4.50	Brownish grey fine to coarse grained sand (3.60m to 6.30m)		4.50m	SPT	15	30					
6.00	Reddish Brown fine to coarse grained sand stone soft rock		6.00m	Rock	—	—	—	—	43%	0.00	
7.50	Do		7.50m	Rock	—	—	—	—	46%	0.00	
9.00	Do		9.00m	Rock	—	—	—	—	62%	0.00	
10.00	Do		10.00m	Rock	—	—	—	—	99%	0.00	

Signature of Site Engineer



Signature of Client

DBH-42

E-2872

N-1573

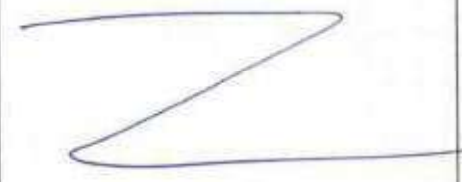
K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project: <u>NTPC</u>						Started on: <u>17/3/24</u>					
Method of Boring: <u>Hydraulic machine</u>						Completed on: <u>19/3/24</u>					
Location: <u>Ramagendam</u>						Chainage:					
BH-No. <u>42</u>						Water Table: <u>1.60M</u>					
Depth of Termination: <u>20.00M</u>						Reference Level: <u>145.985</u>					
Casing: <u>7.00M</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
0.00	Ypcrefish white fine to fine grained size fly ash filled up soil.		0.00	DS	-	-	-	-			
1.50	DO		1.50	SPT	2	3	3	6			
3.00	DO fly ash filled up soil		3.00	DS SPT	5	16	24	40			
4.50	DO		4.50	SPT	3	4	4	8			
(0.00 to 7.60M) ↓											
Signature of Site Engineer						Signature of Client					

BNT-04

K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project : <u>NTPC</u>						Started on : <u>17/03/24</u>					
Method of Boring : <u>Hydraulic Drilling</u>						Completed on : <u>19/3/24</u>					
Location : <u>Ranagadani</u>						Chainage :					
BH-No. : <u>DBH-42</u>						Water Table :					
Depth of Termination : <u>20.00M</u>						Reference Level :					
Casing : <u>7.00 mH</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
6.00	<u>DO</u> <u>fly ash filled up soil</u>		6.00m	SPT							
7.50	<u>DO</u> <u>(0.00m to 7.60m)</u>		7.50m	<u>U/S</u> SPT	<u>50</u> <u>06m</u>	>	>	<u>1-0</u> <u>R</u>			<u>NR</u> <u>U/S</u>
9.00	<u>Redish brown fine to fine</u> <u>Coarse grained silty</u> <u>fractured soft ROCK.</u>		9.00m	ROCK	-	-	-	-			
10.50	<u>DO</u> <u>(Crush soft ROCK)</u>		10.50	ROCK	-	-	-	-			
12.00	<u>DO</u>		12.00	ROCK	-	-	-	-			
13.50	<u>DO</u>		13.50	ROCK	-	-	-	-			
15.00	<u>DO</u>		15.00	ROCK	-	-	-	-			
16.50	<u>DO</u>		16.50	ROCK	-	-	-	-			
18.00	<u>DO</u>		18.00	ROCK	-	-	-	-			
20.00	<u>DO</u> <u>(7.60 to 20.00M)</u>		20.00	ROCK	-	-	-	-			
Signature of Site Engineer <u>Vainkr. Sargi</u>						Signature of Client					

Utm:-  
E)- 2074580  
N)- 339228

BNT-01

K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project : <u>NTPC</u>						Started on : <u>18/03/24</u>					
Method of Boring : <u>Hydraulic Drilling</u>						Completed on : <u>19/03/24</u>					
Location : <u>Ramagundam</u>						Chainage : _____					
BH-No : <u>DBH-43</u>						Water Table : <u>1.55 m<sup>2</sup></u>					
Depth of Termination : <u>15.00 m<sup>2</sup></u>						Reference Level : <u>145.645</u>					
Casing : <u>4.50 m<sup>2</sup></u>						<u>E-283</u> <u>N:-1574</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	greyish fine to very fine grained fly ash filled up soil		0.00m	DS	-	-	-	-			
1.50	DO		1.50m	SPT	3	4	5	9			
2.00	DO		2.00m	UAS SPT	5	7	9	16			<u>NR</u> <u>UAS</u>
4.50	Reddish Brown fine to coarse grained sand stone gravel (0.00m to 4.60m)		4.50m	SPT DS	<u>50</u> <u>0.5m</u>	>	>	<u>100</u> <u>R</u>			<u>NR</u> <u>SPT</u>
6.00	Reddish Brown fine to coarse grained sand stone soft Rock		6.00m	Rock	-	-	-	-	29.28	0.00	
7.50	DO		7.50m	Rock	-	-	-	-	50%	0.00	
9.00	DO		9.00m	Rock	-	-	-	-	62.66	0.00	
10.50	DO		10.50	Rock	-	-	-	-	77.33	77.33	
12.00	DO		12.00	Rock	-	-	-	-	79.73	79.73	
13.50	DO		13.50	Rock	-	-	-	-	98%	87%	
15.00	DO		15.00	Rock	-	-	-	-	99.33	99.33	
											
Signature of Site Engineer <u>Ravi Prasad</u>						Signature of Client					

# K.C.T. Consultancy Services®

Project : TELANGANA STPP ST-II

Bore Hole No. : DBH-44

Location : ACC U#5

Depth of Termination : 9.00 m

Co-ordinates:

Reduced Level: 145.5 m

Depth of Water Table : Encountered at 1.32 m 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 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	Used		Filled up reddish brown, fine to medium grained, clayey sand with gravels and rock fragments 0.00 to 0.30m. Dark greyish, fine to medium grained, mixed with flyash and silty sand 0.30 to 1.60m Highly weathered, weak, completely fractured and disintegrated, friable fractured rock fragments with silty sand 1.60 to 3.20m Moderately weathered, weak, dark reddish brown, fine to medium grained, rock with wide spacing discontinuities 3.20 to 6.00m Slightly weathered, weak, dark brownish red, fine to medium grained, massive rock	0.00	0.00	1.50	DS	-	-	-	-	-	-	-			
	0.50				0.00	1.50	DS	-	-	-	-	-	-	-	-	-	-	
	1.00				1.50	3.00	SPT	3	4	8	12	-	-	-	-	-	-	-
	1.50				1.50	3.00	SPT	3	4	8	12	-	-	-	-	-	-	-
	2.00				1.50	3.00	SPT	3	4	8	12	-	-	-	-	-	-	-
	2.50				1.50	3.00	SPT	3	4	8	12	-	-	-	-	-	-	-
	3.00				3.00	30.30	SPT	51/3 cm	-	-	-	>100	-	-	-	-	-	-
	3.50				3.00	30.30	SPT	51/3 cm	-	-	-	>100	-	-	-	-	-	-
	4.00				3.00	30.30	SPT	51/3 cm	-	-	-	>100	-	-	-	-	-	-
	4.50				3.03	4.50	CORE	-	-	-	-	-	-	-	65.33	56.66	-	
	5.00				3.03	4.50	CORE	-	-	-	-	-	-	-	65.33	56.66	-	
	5.50				3.03	4.50	CORE	-	-	-	-	-	-	-	65.33	56.66	-	
	6.00				4.95	6.00	CORE	-	-	-	-	-	-	-	90.00	84.0	-	
	6.50				4.95	6.00	CORE	-	-	-	-	-	-	-	90.00	84.0	-	
	7.00				6.00	7.50	CORE	-	-	-	-	-	-	-	99.33	84.66	-	
7.50	6.00	7.50	CORE	-	-	-	-	-	-	-	99.33	84.66	-					
8.00	6.00	7.50	CORE	-	-	-	-	-	-	-	99.33	84.66	-					
8.50	6.00	7.50	CORE	-	-	-	-	-	-	-	99.33	84.66	-					
9.00	7.50	9.00	CORE	-	-	-	-	-	-	-	98.66	94.66	-					
<b>6.00 to 9.00m</b>																		

# K.C.T. Consultancy Services®

Project : TELANGANA STPP ST-II

Bore Hole No. : DBH-49

Location : TG U#5

Depth of Termination : 10.50 m

Co-ordinates:

Depth of Water Table : Encountered at 2.25 m depth during investigation

Date of Start: 04-02-2024

Date of Completion: 06-02-2024

Diameter of Bore: 150mm and Nx size

Bit Used: Soil Surface Bit and NX Size

Reduced Level:

## BORE LOG DATA SHEET

Method of Boring	Depth of 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 yellow, fine to medium grained, clayey sand with occasional gravels (SC) <b>0.00 to 0.40m</b> Dark reddish, fine to medium grained, clayey sand with gravels (SC) <b>0.40 to 1.70m</b> Moderately weathered, weak, dark brownish red, fine to medium grained, rock with very wide spacing of discontinuities <b>1.70 to 6.00m</b> Slightly weathered, weak, dark brownish red, fine to medium grained, massive rock	0.00	0.00	1.50	DS	-	-	-	-	-	-	-			
	0.50				1.00	1.50	SPT	19	29	45	74	-	-	-	-	-		
	2.00				2.50	3.00	CORE	-	-	-	-	-	-	63.07	58.46	-		
	3.50				4.00	4.50	CORE	4.50	3.03	4.50	CORE	-	-	50.00	36.66	-		
	5.00				5.50	6.00	CORE	6.00	4.95	6.00	CORE	-	-	96.66	96.66	-		
	6.50				7.00	7.50	CORE	7.50	6.00	7.50	CORE	-	-	98.00	98.00	-		
	8.00				8.50	9.00	CORE	9.00	7.50	9.00	CORE	-	-	96.66	96.66	-		
	9.50				10.00	10.50	CORE	10.50	9.00	10.50	CORE	-	-	98.66	98.66	-		
	<b>6.00 to 10.50m</b>																	

Shifted Co-ordinate - N-339229  
E-2074503

K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project: NTPC		Started on: 07/02/24									
Method of Boring: Drilling Hydraulic		Completed on: 08/03/24									
Location: Ramagundam		Chainage: 6-2859, N-1492									
BH-No: PDH-46		Water Table: 1.28M									
Depth of Termination: 10.50M		Reference Level: 195.695									
Casing: 3.90M											
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 fill deep with little gravel (0.00 to 0.30M)										
1.50	Greyish fine to fine grained silty sandy with little gravel. (0.30 to 1.60)		1.50	SPT	3	6	11	17			
3.00	DO (Reddish Brown) (1.60M to 3.10M)		3.00	WDS SPT 35	51	>	>	>100			NIR SPT
4.50	Reddish Brown fine to fine coarse grained fractured soft Rock		4.50	Rock	-	-	-	-			
6.00	DO		6.00	Rock	-	-	-	-			
7.50	DO		7.50	Rock	-	-	-	-			
9.00	DO		9.00	Rock	-	-	-	-			
10.50	DO (3.10M to 10.50M)		10.50	Rock	-	-	-	-			
Signature of Site Engineer: <i>Harin K. Singh</i>		Signature of Client									

utm! - N1 - 339248

E1 - 2074501

KCT-01

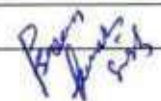
K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project: <u>NTPC</u>						Started on: <u>06/3/24</u>					
Method of Boring: <u>Hydrolic drilling</u>						Completed on: <u>07/03/24</u>					
Location: <u>Ramagendam</u>						Chainage:					
BH-No: <u>DBH-47</u>						Water Table: <u>1.25 mtr</u>					
Depth of Termination: <u>20.00 mtr</u>						Reference Level: <u>145.790</u>					
Casing: <u>3.00 mtr</u>						<u>E1-2976, N-1506</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 fillup (0.00 to 0.40M)		0.00	DS	-	-	-	-			
1.50	Greyish fine to fine silty clay with some gravel (0.40 to 1.60M)		1.50	SPT	7	9	14	23			
3.00	Greyish mix yellow fine to fine sandy silty formation soft rock (1.60 to 3.10M)		3.00	$\frac{UOS}{SPT} \frac{DS}{DS}$	$\frac{51}{3rd}$	>	>	>			NIR SPT
4.50	Reddish brown fine to fine silty coarse grained fractured soft rock		4.50	Rock	-	-	-	-	55.71	11.42	
6.00	Do		6.00m	Rock	-	-	-	-	45.33	0.00	
7.50	Do		7.50m	Rock	-	-	-	-	64%	0.00	
9.00	Do		9.00m	Rock	-	-	-	-	82%	10%	
10.50	Do		10.50	Rock	-	-	-	-	69.33	12%	
12.00	Do		12.00m	Rock	-	-	-	-	65.33	0.00	
13.50	Do		13.50	Rock	-	-	-	-	54%	37.33	
15.00	Do		15.00	Rock	-	-	-	-	98.66	92.00	
16.50	Do		16.50	Rock	-	-	-	-	50.66	6.66	
Signature of Site Engineer						Signature of Client					

*Pravin Jivraj*

K.C.T CONSULTANCY SERVICES, AHMEDABAD

Project : <u>A/TPC</u>	Started on :
Method of Boring : <u>Hydrolic</u>	Completed on :
Location : <u>Ramagudam</u>	Chainage :
BH-No. : <u>OBH-47</u>	Water Table :
Depth of Termination : <u>20.00 mtl</u>	Reference Level :
Casing : <u>2.00 mtl</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
18.00	DO		18.00	Rock	-	-	-	-	57.3	0.00	
20.00	DO		20.00	Rock	-	-	-	-	63.5	10.5	

Signature of Site Engineer  Signature of Client

E-2321

N-2074470

N-1425

E-330233

Machine no:- KCT 01

DBH:- 51

K.C.F CONSULTANCY SERVICES, AJMER/RAJ											
Project: - <u>NTPC</u>						Started on: <u>04/03/24</u>					
Method of boring: - <u>Hydraulic Drilling</u>						Completed on: <u>05/03/24</u>					
Location: - <u>Damnagnardam, Talangana</u>						Elevation: _____					
RF No: - <u>51</u>						Water Table: <u>2.90M</u>					
Depth of Termination: - <u>35M</u>						Reference Level: <u>145.846</u>					
Casing: - <u>3M</u>											
Depth in m	Description	Core Run Time	Depth of Sample in m	Type of Sample	M1	M2	M3	N Value	C.S.S	MB	Remarks
0.0	Reddish Brown, fine to medium grained, clay with gravels ← Filled up soil → (0.0m to 0.30m)		0.0								
1.50	Reddish Brown, fine to medium grained sand with gravels (0.30m to 2.70m)		1.50	SPT	1	2	4	6			
3.00	Reddish Brown, fine to coarse grained, sand stone with soft rock		3.00	Rock	-	-	-	-	74.33%		
4.50	DO		4.50	Rock	-	-	-	-	55.00%	50.00%	
6.00	DO		6.00	Rock	-	-	-	-	90.66%	51.33%	
7.50	DO		7.50	Rock	-	-	-	-	97.33%	60.66%	
9.00	DO		9.00	Rock	-	-	-	-	45.33%	37.33%	
10.50	DO		10.50	Rock	-	-	-	-	90.66%	50.66%	
12.00	DO		12.00	Rock	-	-	-	-	74.66%	50.66%	
13.50	← DO →		13.50	Rock	-	-	-	-	61.25%	25%	
15.0	← DO → (2.70m to 15.00m)		15.0	Rock	-	-	-	-	93%	93%	
Signature of Site Engineer						Signature of Client					

DBH-52  
BNT-06

N-1375  
E-2877

K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project: - NTPC						Started on: - 01-02-24					
Method of Boring: - Hydraulic Drilling						Completed on: - 03-03-24					
Location: - Ramagundam						Chainage:					
BH-No. - 52						Water Table: - 1.70 mt					
Depth of Termination: - 20.00 mt						Reference Level: 145.700					
Casing: - 1.50 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 red light clayey sand soil with 0.8 and soft fracture rock 0.00 to 0.80		0.00	DS							
0.80	Reddish brown coarse to fine grained sand stone and fracture rock		0.80	DS							
1.50	Do		1.50	Rock					34.28		
3.00	Do		3.00	Rock					29.27	25.33	
4.50	Do		4.50	"					58.00	34.66	
6.00	Do		6.00	"					80.66	81.66	
7.50	Do		7.50	"					84.66		
9.00	Do		9.00	Rock SPT 50/4cm	>	>		100	16.66		N-R SPT
10.50	Do		10.50	Rock SPT 50/5cm	>	>		100			N-R SPT
12.00	Do		12.00	Rock					24.00	15.33	
13.50	Do		13.50	"					57.33	45.33	
15.00	Do		15.00	"					97.33	97.33	
16.50	Do		16.50	"					96.00	96.00	
18.00	Do		18.00	"					62.66	62.66	
20.00	Do		20.00	"					82.5	82.5	

Signature of Site Engineer

*Art. Koushik*  
03/03/24

Signature of Client

DBH-53  
BNT-06

Coordinate (Local)

N-1363  
E-2859

K.C.T CONSULTANCY SERVICES, AHMEDABAD	
Project: - NTPC	Started on: - 28.02.24
Method of Boring: - Hydraulic Drilling	Completed on: - 29/02/24
Location: - Ramagnidam	Chainage:
BH-No: - 1500mt 53	Water Table: 2.50 mt
Depth of Termination: - 15.00mt	Reference Level: 195.699
Casing: - 1.50mt	


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 o.g.		0.00	So	-	-	-	-			
0.50	filled up (0.00 to 0.50) mt										
0.50	Reddish brown coarse to fine grained Sand Stone and fracture rock. (0.50 to 1.50) mt		1.50	Rock	-	-	-	-	30.00		
3.00	Do		3.00	Rock	-	-	-	-	49.33	22.00	
4.50	Do		4.50	Rock	-	-	-	-	72.00		
6.00	Do		6.00	Rock	-	-	-	-	31.33		
7.50	Do		7.50	Rock	-	-	-	-	54.66	60.00	
9.00	Do		9.00	Rock	-	-	-	-	34.00	16.66	
10.50	Do		10.50	Rock	-	-	-	-	45.33	59.33	
12.00	Do		12.00	Rock	-	-	-	-	98.00	78.66	
13.50	Do		13.50	Rock	-	-	-	-	96.00	96.00	
15.00	Do		15.00	Rock	-	-	-	-	90.00	90.00	

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

K.C.T CONSULTANCY SERVICES, AHMEDABAD

Project: <b>NTPC</b>	Started on: <b>29/02/24</b>
Method of Boring: <b>Hydraulic</b>	Completed on: <b>02/03/24</b>
Location: <b>Ramagundam</b>	Chainage:
BH-No. <b>DBH-54</b>	Water Table: <b>2.80 m</b>
Depth of Termination: <b>20.00 m</b>	Reference Level: <b>146.100</b>
Casing: <b>3.00 m</b>	Co-ordinates: <b>E-2830, N-1348</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 coarse silty sand with gravel filled up soil (0.00 m to 0.90 m)		0.00 m	DS	-	-	-	-			
1.50	Brownish gray fine to fine silty sandstone with gravel sandstone		1.50 m	Rock			>		43.33	18.33	
3.00	Reddish Brown fine to coarse graded silt sand stone soft Rock		3.00 m	Rock	-	-	-	-	92%	0.00	
4.50	Do		4.50 m	Rock	-	-	-	-	99.33	99.33	
6.00	Do		6.00 m	Rock	-	-	-	-	50%	37.33	
7.50	Do		7.50 m	Rock	-	-	-	-	66%	53.33	
9.00	Do		9.00 m	Rock	-	-	-	-	52.66	52.66	
10.50	Do		10.50 m	Rock	-	-	-	-	65.33	14.66	
12.00	Do		12.00 m	Rock	-	-	-	-	48.66	7.33	
13.50	Do		13.50 m	Rock	-	-	-	-	68.66	0.00	
15.00	Do		15.00 m	Rock	-	-	-	-	36%	0.00	
16.50	Do		16.50 m	Rock	-	-	-	-	53.33	6.66	
18.00	Do		18.00 m	Rock	-	-	-	-	24%	30%	
20.00	Do		20.00 m	Rock	-	-	-	-	25.5	5%	

Signature of Site Engineer  Signature of Client

K.G.T CONSULTANCY SERVICES, AHMEDABAD

Project: <u>NTPC</u>	Started on: <u>29/02/24</u>
Method of Boring: <u>Hydraulic</u>	Completed on: <u>02/03/24</u>
Location: <u>Ramagundam</u>	Chainage:
BH-No. <u>DBH-54</u>	Water Table: <u>2.80 m</u>
Depth of Termination: <u>20.00 m</u>	Reference Level: <u>146.100</u>
Casing: <u>3.00 m</u>	Co-ordinates: <u>E-2830, N-1348</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 coarse silty sand with gravel filled up soil (0.00m to 0.90m)		0.00m	DS	-	-	-	-			
1.50	Brownish gray fine to fine silty sandstone with gravel sand stone		1.50m	Rock			>	400	43.33	18.33	
3.00	Reddish Brown fine to coarse graded silt sand stone soft rock		3.00m	Rock	-	-	-	-	92%	0.00	
4.50	Do		4.50m	Rock	-	-	-	-	99.33	99.33	
6.00	Do		6.00m	Rock	-	-	-	-	50%	37.33	
7.50	Do		7.50m	Rock	-	-	-	-	66%	53.33	
9.00	Do		9.00m	Rock	-	-	-	-	52.66	52.66	
10.50	Do		10.50m	Rock	-	-	-	-	65.33	14.66	
12.00	Do		12.00m	Rock	-	-	-	-	48.66	7.33	
13.50	Do		13.50m	Rock	-	-	-	-	68.66	0.00	
15.00	Do		15.00m	Rock	-	-	-	-	30%	0.00	
16.50	Do		16.50m	Rock	-	-	-	-	53.33	6.66	
18.00	Do		18.00m	Rock	-	-	-	-	24%	30%	
20.00	Do		20.00m	Rock	-	-	-	-	25.5	5%	

Signature of Site Engineer  Signature of Client

DBH-55  
BNT-04

N - 1331  
E - 2856


K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project : - NTPC						Started on : 02-08-24					
Method of Boring : - Hydraulic Drilling						Completed on : 04-03-24					
Location : - Ramgundam						Chainage :					
BH-No. : - 55						Water Table : 2.20 mt					
Depth of Termination : - 12.00 mt						Reference Level : 146.105					
Casing : - 1.50 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	Reddish brown fine to grained clayey sand with fracture soft rock (0.00 to 1.00)		0.00	D.S	-	-					
1.00	Reddish brown coarse to fine grained sand stone with fracture rock		1.00	D.S	-	-					
1.50			1.50	Rock					64.00	20.00	
2.00	Do		2.00	Rock					59.00	8.66	
4.50	Do		4.50	Rock					71.33	6.66	
6.00	Do		6.00	Rock					78.00	45.33	
7.50	Do		7.50	Rock					78.00	57.33	
9.00	Do		9.00	Rock					88.66	71.33	
10.50	Do		10.50	Rock					70.66	66.00	
12.00	Do		12.00	Rock					87.66	84.66	

Signature of Site Engineer

Signature of Client

*As / [Signature]*  
04/03/24

BNT-04

K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project: <u>NTPC</u>		Started on: <u>01/03/24</u>									
Method of Boring: <u>Hydraulic</u>		Completed on: <u>02/03/24</u>									
Location: <u>Ramaganjam</u>		Chainage:									
BH-No. <u>DBH-56</u>		Water Table: <u>1.80 mtl</u>									
Depth of Termination: <u>20.00 mtl</u>		Reference Level: <u>145.870</u>									
Casing: <u>3.00 mtl</u>		<u>E:-2848, N:-1305</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 (0.00m to 0.30m)		0.00m	DS	-	-	-	-			
1.50	greyish fine to very fine grained silty sand (0.30m to 1.90m)		1.50m	SPT	2	4	6	10			
3.00	Reddish Brown fine to fine grained silty sand (1.90m to 3.20m)		3.00m	SPT	$\frac{50}{98}$	>	>	100			
4.50	Reddish Brown fine to coarse grained silty sand stone soft shale		4.50	Rock	-	-	-	-	43.07	37.69	
6.00	Do		6.00	Rock	-	-	-	-	84.66	78.66	
7.50	Do		7.50	Rock	-	-	-	-	55.33	36.7	
9.00	Do		9.00	Rock	-	-	-	-	47.23	43.33	
10.50	Do		10.50	Rock	-	-	-	-	82.7	76.66	
12.00	Do		12.00m	Rock	-	-	-	-	86.66	62.7	
13.50	Do		13.50m	Rock	-	-	-	-	74.66	24.7	
15.00	Do		15.00m	Rock	-	-	-	-	81.33	60.7	
16.50	Do		16.50m	Rock	-	-	-	-	82.7	28.66	
18.00	Do		18.00m	Rock	-	-	-	-	84.66	70.66	
20.00	Do		20.00m	Rock	-	-	-	-	78.66	30.7	
Signature of Site Engineer 		Signature of Client									

DBH:-57  
BNT:-05

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>12/03/24</u>
Location : - <u>Ramagundam, Telangana</u>	Chainage :
BH-No. - <u>57</u>	Water Table : <u>1.0m</u>
Depth of Termination : - <u>7.50m</u>	Reference Level : <u>145.677</u>
Casing : - <u>3.00M</u>	E : - <u>2808</u> N : - <u>1274</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	← Filled up soil → (0.0m to 0.20m)		0.0	DS	-	-	-	-	-	-	
1.50	Redish Brown, fine to medium grained, sand with clay & gravels, (0.20m to 1.80m)		1.50	SPT	50	-	-	>100 (R)	-	-	
3.00	Redish Brown, fine coarse grained, sand stone with soft rock		3.00	Rock	-	-	-	-	80.83%	56.33%	
4.50	← DO →		4.50	Rock	-	-	-	-	99.33%	99.33%	
6.00	← DO →		6.00	Rock	-	-	-	-	95.33%	82.00%	
7.50	← DO → (Whitesh)		7.50	Rock	-	-	-	-	86.66%	67.33%	

Signature of Site Engineer: [Signature] 12/03/24  
Signature of Client: \_\_\_\_\_

DBH-58

BNT-5

K.C.T CONSULTANCY SERVICES, AHMEDABAD	
Project : <u>NTPC</u>	Started on : <u>12/03/24</u>
Method of Boring : <u>Hydraulic Drilling</u>	Completed on :
Location : <u>Ramagundam</u>	Chainage :
BH-No. <u>58</u>	Water Table :
Depth of Termination :	Reference Level :
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
16.5	DO		16.5	ROCK	-	-	-	-	53.66	6.66	
18.0	DO		18.0	ROCK	-	-	-	-	52.66	28.66	
20.0	DO		20.0	ROCK	-	-	-	-	42.51	42.51	

Signature of Site Engineer

Signature of Client

*[Handwritten Signature]*

D.BH - 58

BNT-05

DBH:-58

K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project :- NTPC						Started on :- 12/03/24					
Method of Boring :- Hydraulic Drilling						Completed on :- 13/03/24					
Location :- Ramnagar, Telangana						Chainage :-					
BH-No. :- 58						Water Table :- 1.20m					
Depth of Termination :- 20.0m						Reference Level :- 145.375					
Casing :- 5.00m						E-2831, N-1238					
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 0.70m) →		0.0	DS	-	-	-				
1.50	Redish Brown fine to coarse grained Soft Sand stone with Soft Rock		1.50	Rock	-	-	-		35.0	0.0	↑ 12/3/24 ↓ Final
3.00	← DO →		3.00	Rock	-	-	-		34.0	0.0	
4.50	← DO →		4.50	Rock	-	-	-		46.66	0.0	
6.00	← DO →		6.00	Rock	-	-	-		62.0	60.0	
7.50	← DO →		7.50	Rock	-	-	-		63.00	34.0	
9.00	← (0.70m to 8.80m) DO soft Sand stone Rock. →		9.00	Rock SPT	1	1	1	110	19.33	0.0	
10.5	← DO →		10.5	Rock	-	-	-				N/R SP
12.0	← (8.80m to 11.90m) DO →		12.0	Rock	-	-	-		36.6	0.0	
13.5	← DO →		13.5	Rock	-	-	-		82.0	54.0	
15.0	← DO →		15.0	Rock	-	-	-		88.0	84.6	
									99.66	98.4	

Signature of Site Engineer

Signature of Client

*[Handwritten Signature]*

# K.C.T. Consultancy Services®

Project : TELANGANA STPP ST-II

Bore Hole No. : DBH-59

Location : Telangana

Depth of Termination : 16.50 m

Co-ordinates:

Reduced Level: 145.800 m

Depth of Water Table : Encountered at 0.90 m depth during investigation

Date of Start: 06-04-2024

Date of Completion: 09-04-2024

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 reddish brown, fine to medium grained, clayey sand (SC) <b>0.00 to 0.40m</b>	0.00	0.00	0.30	DS	-	-	-	-	-	-	-
	0.50		Used										
	1.00	Highly weathered, weak, brownish red, fine to medium grained, fractured rock <b>0.40 to 1.70m</b>	1.50	0.30	1.50	CORE	-	-	-	-	34.00	-	-
	1.50												
	2.00	Moderately weathered, weak, brownish red, fine to medium grained, fractured rock <b>1.70 to 4.50m</b>	3.00	1.50	3.00	CORE	-	-	-	-	83.33	-	-
	2.50												
	3.00												
	3.50												
	4.00	Moderately weathered, moderately weak, brownish red, fine to medium grained, rock with close spacing of discontinuities <b>4.50 to 6.00m</b>	4.50	3.00	4.50	CORE	-	-	-	-	78.66	23.33	-
	4.50												
	5.00												
	5.50												
	6.00	Moderately weathered, very weak, brownish red, fine to very fine grained, rock with moderately close spacing of discontinuities <b>6.00 to 9.00m</b>	6.00	4.50	6.00	CORE	-	-	-	-	59.33	30.66	-
	6.50												
	7.00												
	7.50												
8.00	Moderately weathered, weak, dark brownish, fine to medium grained, rock with close spacing of discontinuities <b>9.00 to 12.00m</b>	7.50	6.00	7.50	CORE	-	-	-	-	64.00	48.66	-	
8.50													
9.00													
9.50													
10.00	Slightly weathered, weak dark white and pinkish white, fine to medium grained, massive rock	9.00	7.50	9.00	CORE	-	-	-	-	69.33	17.33	-	
10.50													
11.00													
11.50													
12.00	Slightly weathered, weak dark white and pinkish white, fine to medium grained, massive rock	12.00	10.50	12.00	CORE	-	-	-	-	68.00	9.33	-	
12.50													
13.00													
13.50													
14.00	Slightly weathered, weak dark white and pinkish white, fine to medium grained, massive rock	13.50	12.00	13.50	CORE	-	-	-	-	94.66	63.33	-	
14.50													
15.00													
15.50													
16.00	Slightly weathered, weak dark white and pinkish white, fine to medium grained, massive rock	15.00	13.50	15.00	CORE	-	-	-	-	90.66	86.00	-	
16.50													
16.50			16.50	15.00	16.50	CORE	-	-	-	91.33	83.33	-	

Fig. No.

12.00 to 17.00m

# K.C.T. Consultancy Services®

Project : TELANGANA STPP ST-II

Bore Hole No. : DBH-60

Location : Telangana

Depth of Termination : 20.0 M

Co-ordinates:

Reduced Level: 145.853 m

Depth of Water Table : Encountered at 1.70 m depth during investigation

Date of Start: 09-04-2024

Date of Completion: 10-04-2024

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	[Diagonal Hatching]	Pinkish brown, fine to coarse grained, clayey sand with gravels (SC) <b>0.00 to 0.60m</b>	0.00	0.00	1.50	DS	-	-	-	-	-	-				
	0.50																	
	1.00	Used	[Diagonal Hatching]	Highly weathered, completely fractured and disintegrated, Reddish brown, fine to very fine grained, friable and fractured rock mass <b>0.60 to 3.00m</b>	1.50	1.50	3.00	SPT	51/8 cm	-	-	>100	-	-				
	2.00																	
	2.50																	
	3.00																	
	3.50	Not used	[Cross Hatching]	Highly weathered, very strong, Reddish yellow, fine to coarse grained, fractured rock <b>3.00 to 6.00m</b>	3.00	3.00	3.80	SPT	51/4 cm	-	-	>100	-	-				
	4.00																	
	4.50																	
	5.00																	
	5.50																	
	6.00																	
	6.50																	
	7.00																	
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<b>19.00 to 20.00m</b>																		

# K.C.T. Consultancy Services®

Project : TELANGANA STPP ST-II

Bore Hole No. : DBH-61

Location : Telangana

Depth of Termination : 12.00 m

Co-ordinates: E 2786, N 1550

Reduced Level: 145.650 m

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

Date of Start: 07-03-2024

Date of Completion: 08-03-2024

Diameter of Bore: 150mm and Nx size

Bit Used: Soil Surface Bit and NX Size

## BORE LOG DATA SHEET

Method of Boring	Depth of 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	Used	[Patterned]	Reddish brown, fine to medium grained, clayey sand (SC) <b>0.00 to 0.90m</b>	0.00	0.00	0.90	DS	-	-	-	-	-	-	-			
	0.50				0.00	0.90	-	-	-	-	-	-	-	-	-	-		
	1.00				0.00	0.90	-	-	-	-	-	-	-	-	-	-		
	1.50				1.50	3.00	SPT	1.50	1.50	3.00	SPT	6	8	10	18	-	-	-
	2.00				1.50	3.00	SPT	1.50	1.50	3.00	SPT	6	8	10	18	-	-	-
	2.50				1.50	3.00	SPT	1.50	1.50	3.00	SPT	6	8	10	18	-	-	-
	3.00				1.50	3.00	SPT	1.50	1.50	3.00	SPT	6	8	10	18	-	-	-
	3.50				1.50	3.00	SPT	1.50	1.50	3.00	SPT	6	8	10	18	-	-	-
	4.00				1.50	3.00	SPT	1.50	1.50	3.00	SPT	6	8	10	18	-	-	-
	4.50				1.50	3.00	SPT	1.50	1.50	3.00	SPT	6	8	10	18	-	-	-
	5.00				1.50	3.00	SPT	1.50	1.50	3.00	SPT	6	8	10	18	-	-	-
	5.50				1.50	3.00	SPT	1.50	1.50	3.00	SPT	6	8	10	18	-	-	-
6.00	3.00	Not used	[Patterned]	Highly weathered, very weak, dark reddish brown, fine to very fine grained, fractured rock <b>3.90 to 6.00m</b>	3.00	3.00	4.50	CORE	-	-	-	-	68.33	-	-			
4.00	3.00				4.50	CORE	-	-	-	-	-	-	-	-	-			
4.50	3.00				4.50	CORE	-	-	-	CORE	-	-	-	-	-	-		
5.00	3.00				4.50	CORE	-	-	-	CORE	-	-	-	-	-	-		
5.50	3.00				4.50	CORE	-	-	-	CORE	-	-	-	-	-	-		
6.00	3.00				4.50	CORE	-	-	-	CORE	-	-	-	-	18.66	-		
6.50	3.00				4.50	CORE	-	-	-	CORE	-	-	-	-	-	-		
7.00	3.00				4.50	CORE	-	-	-	CORE	-	-	-	-	-	-		
7.50	3.00				4.50	CORE	-	-	-	CORE	-	-	-	-	-	-		
8.00	3.00				4.50	CORE	-	-	-	CORE	-	-	-	-	-	-		
8.50	3.00				4.50	CORE	-	-	-	CORE	-	-	-	-	-	-		
9.00	3.00				4.50	CORE	-	-	-	CORE	-	-	-	-	-	-		
9.50	3.00	4.50	CORE	-	-	-	CORE	-	-	-	-	-	-					
10.00	3.00	4.50	CORE	-	-	-	CORE	-	-	-	-	-	-					
10.50	3.00	4.50	CORE	-	-	-	CORE	-	-	-	-	-	-					
11.00	3.00	4.50	CORE	-	-	-	CORE	-	-	-	-	-	-					
11.50	3.00	4.50	CORE	-	-	-	CORE	-	-	-	-	-	-					
12.00	3.00	4.50	CORE	-	-	-	CORE	-	-	-	-	-	-					
<b>10.50 to 12.00m</b>																		

# K.C.T. Consultancy Services®

Project : TELANGANA STPP ST-II

Bore Hole No. : DBH-62

Location : BOILER U#5

Depth of Termination : 20.0 M

Co-ordinates: E 2749, N 1508

Reduced Level: 145.189 m

Depth of Water Table : Encountered at 1.70 m depth during investigation

Date of Start: 18-02-2024

Date of Completion: 20-02-2024

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		Brownish, fine to medium grained, clayey sand with little gravels and rock fragments <b>0.00 to 0.20m</b>	0.00	0.00	1.50	DS	-	-	-	-	-	-				
	0.50																	
	1.00					Dark brownish red, fine to medium grained, clayey sand with little gravels (SC) <b>0.20 to 2.10m</b>	1.50	1.50	3.00	SPT	5	6	19	25	-	-		
	1.50																	
	2.00					Dark brownish red, fine to medium grained, silty clayey sand with some gravels and rock fragments <b>2.10 to 3.40m</b>	3.00	3.00	3.03	SPT	50/3 cm	-	-	>100	-	-		
	2.50																	
	3.00																	
	3.50																	
	4.00					Highly weathered, weak, dark brownish red, fine to medium grained, rock with close spacing of discontinuities <b>3.40 to 5.50m</b>	4.50	3.03	4.50	CORE	-	-	-	-	36.36	9.00		
	4.50																	
	5.00																	
	5.50																	
	6.00																	
	6.50																	
	7.00				Slightly weathered, weak, dark brownish red, fine to medium grained, rock with close spacing of discontinuities <b>5.50 to 9.00m</b>	7.50	6.00	7.50	CORE	-	-	-	-	68.66	16.66			
	7.50																	
	8.00																	
	8.50																	
	9.00																	
	9.50																	
10.00		Not used		Highly weathered, weak, dark brownish red, fine to very fine grained, fractured rock <b>9.00 to 12.00m</b>	10.50	9.00	10.50	CORE	-	-	-	-	29.33	-				
10.50																		
11.00																		
11.50																		
12.00						Highly weathered, weak, dark brownish red, fine to medium grained, rock with close spacing of discontinuities <b>12.00 to 13.50m</b>	12.00	10.50	12.00	CORE	-	-	-	-	46.00	24.00		
12.50																		
13.00																		
13.50						Moderately weathered, moderately weak, dark brownish red, fine to medium grained, rock with closely spacing of discontinuities <b>13.50 to 15.00m</b>	13.50	12.00	13.50	CORE	-	-	-	-	50.66	-		
14.00																		
14.50																		
15.00																		
15.50																		
16.00				Slightly weathered, weak, dark brownish red, fine to very fine grained, massive rock <b>15.00 to 18.00m</b>	16.50	15.00	16.50	CORE	-	-	-	-	87.33	82.00				
16.50																		
17.00																		
17.50																		
18.00																		
18.50				Slightly weathered, moderately weak, dark brownish red, fine to medium grained, rock with moderately close spacing of discontinuities	18.00	16.50	18.00	CORE	-	-	-	-	97.33	92.00				
19.00																		
19.50																		
20.00					20.00	18.00	20.00	CORE	-	-	-	-	71.00	71.00				
<b>18.00 to 20.00m</b>																		

# K.C.T. Consultancy Services®

Project : TELANGANA STPP ST-II

Bore Hole No. : DBH-63

Location : Telangana

Depth of Termination : 20.0 M

Co-ordinates: E 2787, N 1486

Reduced Level: 145.859 m

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

Date of Start: 08-03-2023

Date of Completion: 13-03-2024

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 yellow, fine to medium grained, filled up clayey sand with little gravels <b>0.00 to 0.20m</b>	0.00	0.00	1.50	DS	-	-	-	-	-	-		
	0.50			Light greyish, fine to very fine grained, mix of fly ash and silty sand <b>0.20 to 1.90m</b>	1.50	1.50	3.00	SPT	1	5	50/10 cm	>100	-	-		
	1.00			2.00		Dark reddish brown, fine to medium grained, clayey sand with highly weathered, weak and friable fractured rock fragments <b>1.90 to 3.20m</b>	3.00	3.00	3.05	SPT	50/5 cm	-	-	>100	-	-
	1.50	2.50	Not used			Slightly weathered, weak, dark brownish red, fine to medium grained, rock with wide spacing of discontinuities <b>3.20 to 6.00m</b>	4.50	3.05	4.50	CORE	-	-	-	-	93.84	40.00
	2.00	6.00			4.50		6.00	CORE	-	-	-	-	26.00	21.33		
	2.50	7.50			6.00		7.50	CORE	-	-	-	-	22.66	22.66		
	3.00	9.00			7.50		9.00	CORE	-	-	-	-	42.66	41.33		
	3.50	10.50			9.00		10.50	CORE	-	-	-	-	24.00	24.00		
	4.00	12.00			10.50		12.00	CORE	-	-	-	-	66.66	45.33		
	4.50	13.50			12.00		13.50	CORE	-	-	-	-	84.66	62.66		
	5.00	15.00			13.50		15.00	CORE	-	-	-	-	78.66	40.00		
	5.50	16.50			15.00		16.50	CORE	-	-	-	-	100.00	87.33		
	6.00	18.00			16.50		18.00	CORE	-	-	-	-	98.00	92.66		
	6.50	20.00	18.00	20.00	CORE	-	-	-	-	69.50	62.00					
	7.00	<b>16.50 to 20.00m</b>														

# K.C.T. Consultancy Services®

Project : TELANGANA STPP ST-II

Bore Hole No. : DBH-64

Location : Telangana

Depth of Termination : 20.0 M

Co-ordinates: E 2726, N 1486

Reduced Level: 145.576 m

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

Date of Start: 06-02-2024

Date of Completion: 07-02-2024

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	[Pattern]	Filled up Dark reddish, fine to very fine grained, clayey sand <b>0.00 to 0.20m</b>	0.00	0.00	1.50	DS	-	-	-	-	-	-			
	0.50			Highly weathered, completely fractured and disintegrated, weak and friable, dark reddish brown, fine to medium grained, gravel, pebble and cobble size angular interlocking fragments fractured rock with dark reddish brown, fine to medium grained, clayey sand <b>0.30 to 3.20m</b>	1.50	1.50	3.00	SPT	50/9 cm	-	-	>100	-	-			
	1.00		[Pattern]	Moderately weathered, moderately weak, dark brownish red, fine to medium grained, rock with wide spacing of discontinuities <b>3.20 to 6.00m</b>	3.00	3.00	3.04	SPT	50/4 cm	-	-	>100	-	-			
	1.50				4.50	3.04	4.50	CORE	-	-	-	-	76.92	41.53			
	2.00				6.00	4.50	6.00	CORE	-	-	-	-	83.33	63.33			
	2.50				7.50	6.00	7.50	CORE	-	-	-	-	87.33	82.66			
	3.00		Not used	[Pattern]	Slightly weathered, moderately weak, dark reddish, fine to medium grained, massive rock <b>7.50 to 10.50m</b>	7.50	7.50	9.00	CORE	-	-	-	-	31.33	6.66		
	3.50					9.00	7.50	9.00	CORE	-	-	-	-	63.33	20.00		
	4.00				Moderately weathered, weak, dark reddish, fine to medium grained, rock with moderately close spacing of discontinuities <b>10.50 to 12.00m</b>	10.50	10.50	12.00	CORE	-	-	-	-	40.77	7.33		
	4.50					12.00	10.50	12.00	CORE	-	-	-	-	67.33	-		
	5.00				Highly weathered, very weak, dark reddish, fine to medium grained, fractured rock <b>12.00 to 13.50m</b>	13.50	13.50	15.00	CORE	-	-	-	-	36.66	-		
	5.50					15.00	13.50	15.00	CORE	-	-	-	-	32.00	-		
	6.00				[Pattern]	Highly weathered, very weak, dark reddish, fine to medium grained, fractured rock	16.50	16.50	18.00	CORE	-	-	-	-	32.66	-	
	6.50						18.00	16.50	18.00	CORE	-	-	-	-	15.00	-	
	7.00						20.00	18.00	20.00	CORE	-	-	-	-	-	-	
	7.50																
	8.00																
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19.50																	
20.00																	
<b>15.00 to 20.00m</b>																	

# K.C.T. Consultancy Services®

Project : TELANGANA STPP ST-II

Bore Hole No. : DBH-65

Location : BOILER U#5

Depth of Termination : 20.0 M

Co-ordinates: E 2703, N 1458

Reduced Level: 145.576m

Depth of Water Table : Encountered at 1.45m depth during investigation

Date of Start: 15-02-2024

Date of Completion: 17-02-2024

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	[Pattern]	Dark Brownish Red, fine to medium grained, fill up clayey sand with little gravels and rock fragments <b>0.00 to 0.40m</b>	0.00	0.00	1.50	DS	-	-	-	-	-	-			
	0.50																
	1.00																
	1.50			Dark Brownish Red, fine to medium grained, clayey sand with little gravels and rock fragments <b>0.40 to 3.10m</b>	1.50	1.50	1.61	SPT	1	2	3	5	-	-			
	2.00																
	2.50																
	3.00				3.00	3.00	3.03	SPT	50/3 cm	-	-	>100	-	-			
	3.50																
	4.00																
	4.50			Moderately weathered, weak, dark brownish red, fine to medium grained, rock with closely spacing of discontinuities <b>3.10 to 6.00m</b>	4.50	3.02	4.50	CORE	-	-	-	-	73.57	8.57			
	5.00																
	5.50																
	6.00				6.00	4.50	6.00	CORE	-	-	-	-	68.00	63.33			
	6.50																
	7.00		Not used	[Pattern]	Slightly weathered, weak, dark brownish red, fine to medium grained, massive rock <b>6.00 to 9.00m</b>	7.50	6.00	7.50	CORE	-	-	-	-	79.33	39.33		
	7.50																
	8.00																
	8.50																
	9.00					Highly weathered, very weak, dark brownish red, fine to medium grained, rock with moderately close spacing of discontinuities <b>9.00 to 10.50m</b>	9.00	7.50	9.00	CORE	-	-	-	-	30.66	28.66	
	9.50																
10.00																	
10.50					Slightly weathered, weak, dark brownish red, fine to very fine grained, massive rock <b>10.50 to 12.00m</b>	10.50	9.00	10.50	CORE	-	-	-	-	88.66	75.33		
11.00																	
11.50																	
12.00			Slightly weathered, weak, dark brownish red, fine to very fine grained, with moderately close spacing of discontinuities <b>12.00 to 13.50m</b>	12.00	10.50	12.00	CORE	-	-	-	-	44.00	32.00				
12.50																	
13.00																	
13.50					13.50	12.00	13.50	CORE	-	-	-	-	94.00	94.00			
14.00																	
14.50																	
15.00					15.00	13.50	15.00	CORE	-	-	-	-	96.00	96.00			
15.50																	
16.00																	
16.50				Slightly weathered, weak, dark brownish red, fine to very fine grained, massive rock	16.50	15.00	16.50	CORE	-	-	-	-	73.33	45.33			
17.00																	
17.50																	
18.00					18.00	16.50	18.00	CORE	-	-	-	-	84.00	69.33			
18.50																	
19.00																	
19.50																	
20.00					20.00	18.00	20.00	CORE	-	-	-	-	62.50	46.50			
<b>13.50 to 20.00m</b>																	

# K.C.T. Consultancy Services®

Project : TELANGANA STPP ST-II

Bore Hole No. : DBH-66

Location : BOILER U#5

Depth of Termination : 20.0 M

Co-ordinates: E 2756, N 1466

Reduced Level: 145.315 M

Depth of Water Table : Encountered at 2.20 m depth during investigation

Date of Start: 03-02-2024

Date of Completion: 06-02-2024

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		Light Brownish Red, fine to medium grained, silty clayey sand with occasional gravels (SM-SC) <b>0.00 to 0.50m</b>	0.00	0.00	1.50	DS	-	-	-	-	-	-	
	0.50			Dark Brownish Red, fine to medium grained, clayey sand with little gravels and rock fragments <b>0.50 to 2.50m</b>	1.50	1.50	1.61	SPT	50/11 cm	-	-	>100	-	-	
	1.00				Not used		3.00	1.61	3.00	CORE	-	-	-	-	44.00
	1.50	4.50	3.02	4.50			CORE	-	-	-	-	75.33	71.33		
	2.00	6.00	4.50	6.00			CORE	-	-	-	-	38.66	32.66		
	2.50	7.50	6.00	7.50			CORE	-	-	-	-	41.33	18.00		
	3.00	9.00	7.50	9.00			CORE	-	-	-	-	80.00	74.66		
	3.50	10.50	9.00	10.50			CORE	-	-	-	-	86.66	64.66		
	4.00	12.00	10.50	12.00			CORE	-	-	-	-	34.00	20.00		
	4.50	13.50	12.00	13.50			CORE	-	-	-	-	62.66	62.66		
	5.00	15.00	13.50	15.00			CORE	-	-	-	-	51.33	28.00		
	5.50	16.50	15.00	16.50			CORE	-	-	-	-	26.66	7.33		
	6.00	18.00	18.00 to 20.00m		18.00	16.50	18.00	CORE	-	-	-	-	67.33	-	
	6.50	19.00			16.50	19.00	CORE	-	-	-	-	65.50	-		
	7.00	19.50			19.00	19.50	CORE	-	-	-	-	-	-		
	7.50	20.00			19.50	20.00	CORE	-	-	-	-	-	-		
	8.00	20.00			20.00	20.00	CORE	-	-	-	-	-	-		

# K.C.T. Consultancy Services®

Project : TELANGANA STPP ST-II

Bore Hole No. : DBH-67

Location : BOILER U#4

Depth of Termination : 14.0 m

Co-ordinates: E 2703, N 1410

Reduced Level: 145.794 M

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

Date of Start: 15-02-2024

Date of Completion: 15-02-2024

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	█	Dark Brownish Red, fine to medium grained, clayey sand with little gravels and rock fragments (SC) <b>0.00 to 0.20m</b>	0.00	0.00	0.90	DS	-	-	-	-	-	-				
	0.50																	
	1.00	Used	█	Dark Brownish Red, fine to medium grained, clayey sand (SC) <b>0.20 to 1.80m</b>	1.50	1.50	3.00	SPT	30	50	-	>100	-	-				
	1.50																	
	2.00	Not used	█	Highly weathered, weak, dark brownish red, fine to medium grained, fractured rock <b>1.80 to 6.00m</b>	2.00													
	2.50																	
	3.00							3.00	1.50	3.00	CORE	-	-	-	-	30.00	-	
	3.50																	
	4.00																	
	4.50							4.50	3.00	4.50	CORE	-	-	-	-	58.00	-	
	5.00																	
	5.50																	
	6.00	Not used	█	Slightly weathered, weak, dark brownish red, fine to very fine grained, fractured rock <b>6.00 to 9.00m</b>	6.00	4.50	6.00	CORE	-	-	-	-	74.00	-				
	6.50																	
	7.00																	
	7.50							7.50	6.00	7.50	CORE	-	-	-	-	66.00	-	
	8.00																	
	8.50																	
9.00							9.00	7.50	9.00	CORE	-	-	-	-	94.00	88.66		
9.50																		
10.00	Not used	█	Slightly weathered, Moderately weak, dark brownish red, fine to very fine grained, massive rock <b>9.00 to 10.50m</b>	10.00														
10.50							10.50	9.00	10.50	CORE	-	-	-	-	90.00	85.33		
11.00																		
11.50																		
12.00							12.00	10.50	12.00	CORE	-	-	-	-	82.00	78.00		
12.50																		
13.00																		
13.50							13.50	12.00	13.50	CORE	-	-	-	-	99.33	80.66		
14.00				14.00	13.50	14.00	CORE	-	-	-	-	68.00	68.00					
<b>10.50 to 15.00m</b>																		

# K.C.T. Consultancy Services®

Project : TELANGANA STPP ST-II

Bore Hole No. : DBH-68

Location : BOILER U#4

Depth of Termination : 20.0 M

Co-ordinates : E 2741, N 1399

Reduced Level: 146.120 m

Depth of Water Table : Encountered at 1.90 m depth during investigation

Date of Start: 03-02-2024

Date of Completion: 06-02-2024

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	[Pattern]	Dark Brownish Red, fine to medium grained, clayey sand (SC) <b>0.00 to 0.20m</b>	0.00	0.00	0.20	DS	-	-	-	-	-	-			
	0.50			Highly weathered, very weak, light brownish white, fine to medium grained, fractured rock with infilled reddish brown and yellowish brown, fine to very fine grained, clayey sand <b>0.20 to 2.10m</b>	1.50	0.20	1.50	CORE	-	-	-	-	6.15	-			
	1.00			Not used	[Pattern]	Highly weathered, weak, dark brownish red, fine to medium grained, fractured rock <b>2.10 to 5.50m</b>	1.50	1.50	1.61	SPT	50/11 cm	-	-	>100	-	-	
	2.00						3.00	1.61	3.00	CORE	-	-	-	-	14.00	-	
	2.50						3.00	3.00	3.07	SPT	50/7 cm	-	-	>100	-	-	
	3.00						4.50	3.00	4.50	CORE	-	-	-	-	46.66	6.66	
	3.50						6.00	4.50	6.00	CORE	-	-	-	-	82.66	68.66	
	4.00						7.50	6.00	7.50	CORE	-	-	-	-	22.66	7.33	
	4.50						9.00	7.50	9.00	CORE	-	-	-	-	78.66	52.66	
	5.00						11.00	9.00	11.00	DS	-	-	-	-	3.00	-	
	5.50	11.00	11.00	11.04	SPT	50/4 cm	-	-	>100	-	-						
	6.00	12.00	10.50	12.00	CORE	-	-	-	-	89.00	11.00						
	6.50	13.50	12.00	13.50	CORE	-	-	-	-	70.66	54.66						
	7.00	15.00	13.50	15.00	CORE	-	-	-	-	87.33	82.66						
	7.50	15.00	15.00	15.00	CORE	-	-	-	-	87.33	82.66						
	8.00	16.00	15.00	16.00	CORE	-	-	-	-	83.00	77.50						
	8.50	16.50	15.00	16.50	CORE	-	-	-	-	83.00	77.50						
	9.00	17.00	15.00	17.00	CORE	-	-	-	-	83.00	77.50						
	9.50	17.00	15.00	17.00	CORE	-	-	-	-	83.00	77.50						
	10.00	17.00	15.00	17.00	CORE	-	-	-	-	83.00	77.50						
10.50	17.00	15.00	17.00	CORE	-	-	-	-	83.00	77.50							
11.00	17.00	15.00	17.00	CORE	-	-	-	-	83.00	77.50							
11.50	17.00	15.00	17.00	CORE	-	-	-	-	83.00	77.50							
12.00	17.00	15.00	17.00	CORE	-	-	-	-	83.00	77.50							
12.50	17.00	15.00	17.00	CORE	-	-	-	-	83.00	77.50							
13.00	17.00	15.00	17.00	CORE	-	-	-	-	83.00	77.50							
13.50	17.00	15.00	17.00	CORE	-	-	-	-	83.00	77.50							
14.00	17.00	15.00	17.00	CORE	-	-	-	-	83.00	77.50							
14.50	17.00	15.00	17.00	CORE	-	-	-	-	83.00	77.50							
15.00	17.00	15.00	17.00	CORE	-	-	-	-	83.00	77.50							
15.50	17.00	15.00	17.00	CORE	-	-	-	-	83.00	77.50							
16.00	17.00	15.00	17.00	CORE	-	-	-	-	83.00	77.50							
16.50	17.00	15.00	17.00	CORE	-	-	-	-	83.00	77.50							
17.00	17.00	15.00	17.00	CORE	-	-	-	-	83.00	77.50							
<b>13.50 to 17.00m</b>																	

# K.C.T. Consultancy Services®

Project : TELANGANA STPP ST-II

Bore Hole No. : DBH-69

Location : BOILER U#4

Depth of Termination : 20.0 M

Co-ordinates: E 2221, N 1367

Reduced Level: 145.676 m

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

Date of Start: 07-02-2024

Date of Completion: 08-02-2024

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	[Pattern]	Dark Brownish Red, filled up, fine to medium grained, clayey sand with little gravels and rock fragments <b>0.00 to 0.20m</b>	0.00	0.00	1.50	DS	-	-	-	-	-	-			
	0.50			Mixture of highly weathered, weak, fractured and disintegrated, brownish yellow and reddish brown, gravel, pebble size fragments of fractured rock and reddish brown, fine to medium grained, clayey sand <b>0.20 to 1.70m</b>	1.50	1.50	1.70	SPT	50/4 cm	-	-	>100	-	-			
	1.00			Not used	[Pattern]	Slightly weathered, moderately strong, whitish yellow and reddish brown, fine to medium grained, rock with wide spacing of discontinuities <b>1.70 to 4.50m</b>	3.00	1.70	3.00	CORE	-	-	-	-	60.00	38.88	
	1.50					Slightly weathered, moderately weak, reddish brown, fine to medium grained, rock with wide spacing of discontinuities <b>4.50 to 6.00m</b>	4.50	3.00	4.50	CORE	-	-	-	-	75.33	36.00	
	2.00					Slightly weathered, moderately weak, dark brownish red, fine to medium grained, massive rock <b>6.00 to 10.50m</b>	6.00	5.30	6.00	CORE	-	-	-	-	94.66	94.66	
	2.50						7.50	6.00	7.50	CORE	-	-	-	-	94.66	94.66	
	3.00						9.00	7.50	9.00	CORE	-	-	-	-	85.33	44.66	
	3.50						10.50	9.00	10.50	CORE	-	-	-	-	88.66	68.66	
	4.00						12.00	10.50	12.00	CORE	-	-	-	-	79.33	37.33	
	4.50						13.50	12.00	13.50	CORE	-	-	-	-	85.33	44.66	
	5.00	15.00	13.50				15.00	CORE	-	-	-	-	90.66	48.66			
	5.50	16.50	15.00				16.50	CORE	-	-	-	-	89.33	14.00			
	6.00	18.00	16.50	18.00	CORE		-	-	-	-	71.33	-					
	6.50	19.00	Slightly weathered, weak, dark brownish red, fine to medium grained, fractured rock	18.00	16.50		18.00	CORE	-	-	-	-	71.00	-			
	7.00	18.00 to 20.00m		20.00	18.00	20.00	CORE	-	-	-	-	-	-				

# K.C.T. Consultancy Services®

Project : TELANGANA STPP ST-II

Bore Hole No. : DBH-70

Location : Telangana

Depth of Termination : 18.0 m

Co-ordinates: E 2801, N 1382

Reduced Level: 145.995 m

Depth of Water Table : Encountered at 1.80 m depth during investigation

Date of Start: 02-03-2024

Date of Completion: 03-03-2024

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		Yellowish brown, fine to medium grained, clayey sand with much gravels (SC) <b>0.00 to 0.30m</b>	0.00	0.00	1.50	DS	-	-	-	-	-	-		
	0.50			Dark Brownish grey, fine to medium grained, poorly graded sand and silty sand (SP-SM) <b>0.30 to 2.60m</b>	1.50	1.50	3.00	SPT	2	2	2	4	-	-		
	1.00															
	1.50	Not used		Highly weathered, completely fractured and disintegrated, Dark Reddish brown, fine to very fine grained, friable and fractured rock <b>2.60 to 4.50m</b>	3.00	3.00	3.30	SPT	50/4cm	-	-	>100	-	-		
	2.00															
	2.50															
	3.00															
	3.50															
	4.00															
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<b>16.50 to 18.00m</b>																

# K.C.T. Consultancy Services®

Project : TELANGANA STPP ST-II

Bore Hole No. : DBH-71

Location : BOILER U#4

Depth of Termination : 14.0 M

Co-ordinates: E 2751, N 1356

Reduced Level: 145.609 M

Depth of Water Table : Encountered at 1.65m depth during investigation

Date of Start: 03-02-2024

Date of Completion: 06-02-2024

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		Dark Brownish Red, fine to medium grained, sandy clays of low plasticity with little gravels and rock fragments <b>0.00 to 0.20m</b>	0.00	0.00	1.50	DS	-	-	-	-	-	-			
	0.50																
	1.00																
	1.50					Mixture of highly weathered, weak, completely fractured and disintegrated, light brownish white, fine to very fine grained, gravel, pebble size fractured rock with infilled sand (GW-GM) <b>0.20 to 3.30m</b>	1.50	1.50	3.00	SPT	50/5 cm	-	-	>100	-	-	
	2.00																
	2.50																
	3.00																
	3.50																
	4.00																
	4.50					Highly weathered, weak, dark brownish red, fine to very fine grained, fractured rock <b>3.30 to 6.00m</b>	4.50	3.40	4.50	CORE	-	-	-	-	21.66	-	
	5.00																
	5.50																
	6.00					Moderately weathered, weak, dark brownish red, fine to medium grained, rock with moderately close spacing of discontinuities <b>6.00 to 7.50m</b>	6.00	4.50	6.00	CORE	-	-	-	-	60.66	32.66	
	6.50																
	7.00																
	7.50																
	8.00				Not used												
	8.50						Slightly weathered, weak, dark brownish red, fine to very fine grained, massive rock <b>7.50 to 9.00m</b>	9.00	7.50	9.00	CORE	-	-	-	-	69.33	48.00
9.00																	
9.50																	
10.00																	
10.50																	
11.00																	
11.50																	
12.00				Slightly weathered, moderately weak, dark brownish red, fine to very fine grained, massive rock	12.00	10.50	12.00	CORE	-	-	-	-	92.00	80.66			
12.50																	
13.00																	
13.50					13.50	12.00	13.50	CORE	-	-	-	-	86.66	86.66			
14.00					14.00	13.50	14.00	CORE	-	-	-	-	68.00	64.00			
<b>10.50 to 14.00m</b>																	

# K.C.T. Consultancy Services®

Project : TELANGANA STPP ST-II

Bore Hole No. : DBH-72

Location : Telangana

Depth of Termination : 15.0 m

Co-ordinates: E 2790, N 1356

Reduced Level: 145.913 m

Depth of Water Table : Encountered at 2.10 m 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				
Rotary drilling method	0.00	Used	[Pattern]	Reddish brown, fine to very fine grained, filled up clayey sand with occasional gravels <b>0.00 to 0.40m</b>	0.00	0.00	1.50	DS	-	-	-	-	-	-		
	0.50			Brownish, fine to medium grained, clayey sand with occasional gravels (SC) <b>0.40 to 2.80m</b>	1.50	1.50	1.80	SPT	50/6 cm	-	-	>100	-	-		
	1.00				Moderately weathered, moderately strong, Dark reddish, fine to medium grained, rock with wide spacing of discontinuities <b>2.80 to 6.00m</b>	3.00	1.80	3.00	CORE	-	-	-	-	73.33	55.83	
	1.50					4.50	3.30	4.50	CORE	-	-	-	-	74.00	48.66	
	2.00					6.00	4.50	6.00	CORE	-	-	-	-	95.33	80.00	
	2.50					7.50	6.00	7.50	CORE	-	-	-	-	78.70	44.66	
	3.00					9.00	7.50	9.00	CORE	-	-	-	-	96.00	96.00	
	3.50			10.50	9.00	10.50	CORE	-	-	-	-	99.33	82.00			
	4.00			12.00	10.50	12.00	CORE	-	-	-	-	99.33	70.00			
	4.50			13.50	12.00	13.50	CORE	-	-	-	-	50.00	50.00			
	5.00	15.00	13.50	15.00	CORE	-	-	-	-	96.00	90.66					
	5.50	<b>7.50 to 15.00m</b>														
	6.00	Not used	[Pattern]	Slightly weathered, moderately strong, dark brownish red, fine to medium grained, massive rock <b>6.00 to 7.50m</b>	6.00	4.50	6.00	CORE	-	-	-	-	95.33	80.00		
	6.50			7.50	6.00	7.50	CORE	-	-	-	-	78.70	44.66			
	7.00			9.00	7.50	9.00	CORE	-	-	-	-	96.00	96.00			
	7.50			10.50	9.00	10.50	CORE	-	-	-	-	99.33	82.00			
	8.00			12.00	10.50	12.00	CORE	-	-	-	-	99.33	70.00			
8.50	13.50			12.00	13.50	CORE	-	-	-	-	50.00	50.00				
9.00	15.00			13.50	15.00	CORE	-	-	-	-	96.00	90.66				
9.50																
10.00																
10.50																
11.00																
11.50																
12.00																
12.50																
13.00																
13.50																
14.00																
14.50																
15.00																

# K.C.T. Consultancy Services®

Project : TELANGANA STPP ST-II

Bore Hole No. : DBH-73

Location : BOILER U#4

Depth of Termination : 20.0 M

Co-ordinates: E 2704 N 1334

Reduced Level: 145.595 m

Depth of Water Table : Encountered at 1.70m depth during investigation

Date of Start: 10-02-2024

Date of Completion: 13-02-2024

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	[Hatched]	Reddish brown, fine to medium grained, sandy clays of intermediate plasticity (CI) <b>0.00 to 0.30m</b>	0.00	0.00	1.50	DS	-	-	-	-	-	-			
	0.50																
	1.00	Used	[Hatched]	Dark brownish red, fine to very fine grained, clayey sand with some gravels and rock fragments (SC) <b>0.30 to 2.40m</b>	1.50	1.50	2.40	SPT	4	8	11	19	-	-			
	1.50																
	2.00	Not used	[Dotted]	Highly weathered, weak, dark brownish red, fine to medium grained, fractured rock <b>2.40 to 6.00m</b>	3.00	2.40	3.00	CORE	-	-	-	-	30.00	-			
	2.50																
	3.00																
	3.50																
	4.00																
	4.50																
	5.00																
	5.50																
	6.00																
	6.50																
	7.00				Slightly weathered, weak, dark brownish red, fine to medium grained, massive rock <b>6.00 to 7.50m</b>	6.00	4.50	6.00	CORE	-	-	-	-	94.00	80.00		
	7.50				Slightly weathered, moderately weak, dark brownish red, fine to medium grained, rock with wide spacing of discontinuities <b>7.50 to 9.00m</b>	7.50	6.00	7.50	CORE	-	-	-	-	64.66	46.00		
	8.00				Slightly weathered, moderately weak, dark brownish red, fine to medium grained, massive rock <b>9.00 to 10.50m</b>	9.00	7.50	9.00	CORE	-	-	-	-	95.00	78.66		
	8.50																
	9.00				Slightly weathered, moderately weak, dark brownish red, fine to medium grained, rock with moderately close spacing of discontinuities <b>10.50 to 12.00m</b>	10.50	9.00	10.50	CORE	-	-	-	-	22.00	13.33		
	9.50																
10.00				Highly weathered, very weak, dark brownish red, fine to medium grained, fractured rock <b>12.00 to 13.50m</b>	12.00	10.50	12.00	CORE	-	-	-	-	50.66	10.00			
10.50																	
11.00				Highly weathered, very weak, light brownish white, fine to medium grained, fractured rock <b>13.50 to 15.00m</b>	13.50	12.00	13.50	CORE	-	-	-	-	10.00	-			
11.50																	
12.00				Slightly weathered, moderately weak, dark brownish red, fine to medium grained, massive rock <b>15.00 to 16.50m</b>	15.00	13.50	15.00	CORE	-	-	-	-	94.66	94.66			
12.50																	
13.00				Highly weathered, weak, light brownish red, fine to medium grained, fractured rock <b>16.50 to 18.00m</b>	16.50	15.00	16.50	CORE	-	-	-	-	21.33	-			
13.50																	
14.00				Moderately weathered, moderately weak, dark brownish red, fine to medium grained, fractured rock	18.00	16.50	18.00	CORE	-	-	-	-	70.00	59.33			
14.50																	
15.00					18.00	16.50	18.00	CORE	-	-	-	-	70.00	59.33			
15.50					18.00	16.50	18.00	CORE	-	-	-	-	70.00	59.33			
16.00					18.00	16.50	18.00	CORE	-	-	-	-	70.00	59.33			
16.50					18.00	16.50	18.00	CORE	-	-	-	-	70.00	59.33			
17.00					18.00	16.50	18.00	CORE	-	-	-	-	70.00	59.33			
17.50					18.00	16.50	18.00	CORE	-	-	-	-	70.00	59.33			
18.00					18.00	16.50	18.00	CORE	-	-	-	-	70.00	59.33			
18.50					18.00	16.50	18.00	CORE	-	-	-	-	70.00	59.33			
19.00					18.00	16.50	18.00	CORE	-	-	-	-	70.00	59.33			
19.50					18.00	16.50	18.00	CORE	-	-	-	-	70.00	59.33			
20.00					18.00	16.50	18.00	CORE	-	-	-	-	70.00	59.33			
<b>18.00 to 20.00m</b>																	

# K.C.T. Consultancy Services®

Project : TELANGANA STPP ST-II

Bore Hole No. : DBH-74

Location : Telangana

Depth of Termination : 12.0 m

Co-ordinates: E 2774, N 1322

Reduced Level: 146.384 m

Depth of Water Table : Encountered at 1.60 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		Dark brownish Red, fine to medium grained, filled up clayey sand with gravels <b>0.00 to 0.20m</b>	0.00	0.00	1.50	DS	-	-	-	-	-	-			
	0.50			Highly weathered, completely fractured and disintegrated, Reddish brown, fine to coarse grained, friable and fractured rock <b>0.20 to 1.70m</b>	1.50	1.50	1.70	SPT	50/5 cm	-	-	>100	-	-			
	1.00	Not used		Moderately weathered, weak, dark brownish red, fine to medium grained, fractured rock <b>1.70 to 4.30m</b>	3.00	1.50	3.00	CORE	-	-	-	-	71.53	-			
	1.50				2.00	2.50	3.00	3.50									
	2.00			Moderately weathered, moderately weak, dark reddish, fine to medium grained, massive rock <b>4.30 to 6.00m</b>	4.50	3.00	4.50	CORE	-	-	-	-	66.00	56.66			
	2.50				3.00	3.50	4.00	4.50									
	3.00			Moderately weathered, moderately weak, dark reddish, fine to medium grained, rock with wide spacing of discontinuities <b>6.00 to 7.50m</b>	6.00	4.50	6.00	CORE	-	-	-	-	84.66	45.33			
	3.50				4.00	4.50	5.00	5.50									
	4.00			Slightly weathered, weak, dark reddish, fine to medium grained, massive rock			7.50	6.00	7.50	CORE	-	-	-	-	99.33	99.33	
	4.50						5.00	5.50	6.00	6.50							
	5.00						6.00	6.50	7.00	7.50							
	5.50						6.50	7.50	8.50	9.00							
	6.00	7.50	9.00				9.50	10.00									
	6.50	7.50	9.00				10.50	11.00									
	7.00	7.50	9.00				11.50	12.00									
	7.50	7.50	9.00				12.00	12.00	CORE	-	-	-	-	100.00	100.00		
	8.00	<b>7.50 to 12.00m</b>															

# K.C.T. Consultancy Services®

Project : TELANGANA STPP ST-II

Bore Hole No. : DBH-75

Location : BOILER U#4

Depth of Termination : 15.0 M

Co-ordinates: E 2664, N 1294

Reduced Level: 145.723 m

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

Date of Start: 01-03-2024

Date of Completion: 06-03-2024

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, filled up clayey sand with occasional gravels <b>0.00 to 0.90m</b>	0.00	0.00	1.50	DS	-	-	-	-	-	-		
	0.50															
	1.00		[Pattern]	Light brownish red, fine to medium grained, clayey sand (SC) <b>0.90 to 1.80m</b>	1.50	1.50	1.53	SPT	6	12	48	60	-	-		
	1.50															
	2.00		[Pattern]	Mixture of highly weathered, weak, completely fractured and disintegrated, light brownish white, fine to very fine grained, gravel, pebble size fractured rock and light brownish, fine to coarse grained, clayey sand <b>1.80 to 5.20m</b>	3.00	3.00	4.50	SPT	18	50/9 cm	-	>100	-	-		
	2.50															
	3.00															
	3.50															
	4.00															
	4.50															
	5.00		[Pattern]	Mixture of highly weathered, weak, completely fractured and disintegrated, light brownish white, fine to very fine grained, gravel, pebble size fractured rock with dark brownish, fine to very fine grained, sandy clays of low plasticity <b>5.20 to 7.50m</b>	6.00	6.00	6.03	SPT	50/4 cm	-	-	>100	-	-		
	5.50															
	6.00															
	6.50		Not used	[Pattern]	Highly weathered, completely fractured and disintegrated, dark brownish red, fine to coarse grained, gravel, pebble size fractured rock fragments with dark brownish red, fine to very fine grained, clayey sand 7.50 to 8.30m	7.50	7.50	7.55	SPT	50/5 cm	-	-	>100	-	-	
	7.00															
	7.50															
	8.00															
	8.50															
9.00																
9.50	[Pattern]	Highly weathered, fractured, light brownish, fine to medium grained, fractured rock with brownish white, fine to medium grained, clayey sand <b>8.30 to 12.00m</b>	9.00	7.55	9.00	CORE	-	-	-	-	24.28	-				
9.00			9.00	9.03	SPT	50/3 cm	-	-	>100	-	-					
10.00																
10.50																
11.00																
11.50																
12.00	[Pattern]	Highly weathered, very weak, dark brownish red, fine to very fine grained, fractured rock <b>12.00 to 13.50m</b>	12.00	10.50	12.00	CORE	-	-	-	-	28.00	-				
12.50																
13.00																
13.50	[Pattern]	Moderately weathered, moderately strong, dark brownish red, fine to medium grained, rock with very closely spaced discontinuities	13.50	12.00	13.50	CORE	-	-	-	-	60.00	14.00				
14.00																
14.50																
15.00																
<b>13.50 to 15.00m</b>																

# K.C.T. Consultancy Services®

Project : TELANGANA STPP ST-II

Bore Hole No. : DBH-76

Location : BOILER U#3

Depth of Termination : 15.0 M

Co-ordinates: E 2671, N 1260

Reduced Level: 145.50 m

Depth of Water Table : Encountered at 1.40 m depth during investigation

Date of Start: 30-01-2024

Date of Completion: 31-01-2024

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, filled up clayey sand with occasional fragments of rock <b>0.00 to 0.60m</b>	0.00	0.00	1.50	DS	-	-	-	-	-	-				
	0.50																	
	1.00					Dark blackish, fine to medium grained, clayey sand (SC) <b>0.60 to 2.20m</b>	1.50	1.50	3.00	SPT	1	1	2	3	-	-		
	1.50																	
	2.00																	
	2.50																	
	3.00					Light pinkish, fine to very fine grained, sandy clays of intermediate plasticity with occasional gravels (Cl) <b>2.20 to 4.30m</b>	3.00	3.00	4.50	UDS	-	-	-	-	-	-		
	3.50																	
	4.00																	
	4.50					Highly weathered, completely fractured and disintegrated, Reddish brown, fine to very fine grained, friable and fractured sand stone <b>4.30 to 6.00m</b>	4.50	4.50	5.10	SPT	50/14 cm	-	-	>100	-	-		
	5.00																	
	5.50																	
	6.00					Highly weathered, moderately weak, brownish red, fine to medium grained, fractured rock <b>6.00 to 7.50m</b>	6.00	5.10	6.00	CORE	-	-	-	-	53.33	-		
	6.50																	
	7.00																	
	7.50				Not used		Highly weathered, weak, dark brownish and light whitish yellow, fine to medium grained, rock with very close spacing of discontinuities <b>7.50 to 9.00m</b>	7.50	6.00	7.50	CORE	-	-	-	-	52.66	6.66	
	8.00																	
8.50																		
9.00			Highly weathered, weak, dark brownish and light whitish yellow, fine to medium grained, rock with wide spacing of discontinuities <b>9.00 to 10.50m</b>	9.00		7.50	9.00	CORE	-	-	-	-	76.00	24.00				
9.50																		
10.00																		
10.50			Moderately weathered, weak, dark brownish red, fine to very fine grained, friable sand stone <b>10.50 to 12.00m</b>	10.50		9.00	10.50	CORE	-	-	-	-	66.00	19.33				
11.00																		
11.50																		
12.00			Moderately weathered, weak, whitish and greyish, fine to very fine grained, rock with wide spacing of discontinuities <b>12.00 to 13.50m</b>	12.00		10.50	12.00	CORE	-	-	-	-	60.66	35.33				
12.50																		
13.00																		
13.50				Slightly weathered, moderately weak, dark brownish red, fine to very fine grained, sand stone with moderately wide spacing of discontinuities	13.50	12.00	13.50	CORE	-	-	-	-	70.66	26.66				
14.00																		
14.50																		
15.00					15.00	13.50	15.00	CORE	-	-	-	-	64.00	22.66				
<b>13.50 to 15.00m</b>																		

# K.C.T. Consultancy Services®

Project : TELANGANA STPP ST-II

Bore Hole No. : DBH-77

Location : Telangana

Depth of Termination : 20.0 M

Co-ordinates: N 2709, E 1266

Reduced Level: 145.50 m

Depth of Water Table : Encountered at 1.75m depth during investigation

Date of Start: 07-02-2024

Date of Completion: 10-02-2024

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		Dark yellowish brown, fine to medium grained, filled up clayey sand <b>0.00 to 1.10m</b>	0.00	0.00	1.50	DS	-	-	-	-	-	-				
	0.50																	
	1.00																	
	1.50	Used		Dark brownish red, fine to very fine grained, clayey sand with occasional gravels (SC) <b>1.10 to 2.80m</b>	1.50	1.50	3.00	SPT	7	9	16	26	-	-				
	2.00																	
	2.50																	
	3.00							3.00	3.00	3.02	SPT	50/2 cm	-	-	>100	-	-	
	3.50																	
	4.00	Not used		Highly weathered, weak, dark brownish, fine to medium grained, fractured rock <b>3.10 to 7.50m</b>	4.50	3.02	4.50	CORE	-	-	-	-	19.28	-				
	4.50																	
	5.00							4.50	4.50	4.53	SPT	50/3 cm	-	-	>100	-		
	5.50																	
	6.00							6.00	4.50	6.00	CORE	-	-	-	-	23.33	-	
	6.50																	
	7.00																	
	7.50							7.50	6.00	7.50	CORE	-	-	-	-	23.33	20.00	
	8.00																	
	8.50																	
	9.00				9.00	7.50	9.00	CORE	-	-	-	-	35.33	7.33				
	9.50																	
10.00																		
10.50				10.50	9.00	10.50	CORE	-	-	-	-	24.66	16.66					
11.00																		
11.50																		
12.00				12.00	10.50	12.00	CORE	-	-	-	-	14.66	6.66					
12.50																		
13.00																		
13.50				13.50	12.00	13.50	CORE	-	-	-	-	82.66	62.00					
14.00																		
14.50																		
15.00				15.00	13.50	15.00	CORE	-	-	-	-	66.66	7.33					
15.50																		
16.00																		
16.50				16.50	15.00	16.50	CORE	-	-	-	-	92.66	8.00					
17.00																		
17.50																		
18.00				18.00	16.50	18.00	CORE	-	-	-	-	82.66	42.66					
18.50																		
19.00																		
19.50																		
20.00				20.00	18.00	20.00	CORE	-	-	-	-	73.20	40.00					
<b>18.00 to 20.00m</b>																		

E- 2747

N- 1250

K.C.T CONSULTANCY SERVICES, AHMEDABAD	
Project: <u>NTPC</u>	Started on: <u>20/2/24</u>
Method of Boring: <u>Hydraulic Machine</u>	Completed on: <u>23/2/24</u>
Location: <u>Ramgundam</u>	Chainage:
BH-No: <u>-DBH-78</u>	Water Table: <u>1.50M</u>
Depth of Termination: <u>20.00M</u>	Reference Level: <u>146.468</u>
Casing: <u>5.60M</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	Brownish fine to fine silty sandy clay with gravel. (0.00 to 0.30M)		0.00	DS	-	-	-	-			↓ NIR UDS taken SPT fill date- 20/2/24 ↓ start from- 22/2/24
1.50	Brownish mix yellow fine to fine grained silty sandy with gravel. (0.30 to 1.60M)		1.50	SPT	5	8	10	18			
3.00	Brownish Red fine to fine grained silty clay with nch gravel.		3.00	UDS SPT	11	22	38	60			
4.50	Do but greyish brown (1.60 to 5.60M)		4.50	SPT	13	14	27	41			
6.00	Greyish mix yellow fine to fine <del>grained</del> coarse grained sandy stone soft rock		6.00	Rock SPT DS	51 2cm	>	>	>100			NIR SPT
7.50	DO		7.50	Rock SPT DS	51 2cm	>	>	>100			NIR SPT
9.00	DO		9.00	Rock SPT DS	51 2cm	>	>	>100			NIR SPT
10.50	DO (5.60 to 10.50M)		10.50	Rock	-	-	-	-	45.33%		
12.00	Brownish Red fine to fine coarse grained silty soft rock		12.00	Rock	-	-	-	-	58.66%		
13.50	DO		13.50	Rock	-	-	-	-	47.53%	30%	

Signature of Site Engineer Vania K. Singh. Signature of Client \_\_\_\_\_

K.C.T CONSULTANCY SERVICES, AHMEDABAD

Project: <b>NTPC</b>	Started on: <b>2012/24-</b>
Method of Boring: <b>Hydraulic Machine</b>	Completed on: <b>23/2/24</b>
Location: <b>Ramagundam</b>	Chainage:
BH-No: <b>-DBH-78</b>	Water Table:
Depth of Termination: <b>20.00M</b>	Reference Level:
Casing: <b>5.60M</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
15.00	DO		15.00	ROCK	-	-	-	-	80.66%	33-1	
16.50	DO		16.50	ROCK	-	-	-	-	88.66%	60-1	
18.00	DO		18.00	ROCK	-	-	-	-	38.66%	2.66%	
20.00	DO		20.00	ROCK	-	-	-	-	74.1%	24.1	

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

# K.C.T. Consultancy Services®

Project : TELANGANA STPP ST-II

Bore Hole No. : DBH-79

Location : Telangana

Depth of Termination : 10.50 m

Co-ordinates: E 2694, N 1220

Reduced Level: 145.670 m

Depth of Water Table : Encountered at 0.80 m depth during investigation

Date of Start: 01-04-2024

Date of Completion: 02-04-2024

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		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 reddish brown, fine to very fine grained, clayey sand with gravels (SC) 0.00 to 0.50m	0.00	0.00	1.50	DS	-	-	-	-	-	-				
	0.50				1.50	2.60	SPT	50/9cm	-	-	-	>100	-	-				
	1.00				2.60	3.00	CORE	-	-	-	-	-	-	50.00	-			
	1.50				3.00	4.50	CORE	4.50	3.00	4.50	CORE	-	-	-	51.33	13.33		
	2.00				4.50	6.00	CORE	6.00	4.50	6.00	CORE	-	-	-	86.66	69.33		
	2.50				6.00	7.50	CORE	7.50	6.00	7.50	CORE	-	-	-	80.00	62.00		
	3.00				7.50	9.00	CORE	9.00	7.50	9.00	CORE	-	-	-	99.33	84.66		
	3.50				9.00	10.50	CORE	10.50	9.00	10.50	CORE	-	-	-	88.66	67.33		
	4.00																	
	4.50																	
	5.00																	
	5.50																	
	6.00																	
	6.50																	
	7.00																	
7.50																		
8.00																		
8.50																		
9.00																		
9.50																		
10.00																		
10.50																		
<b>6.00 to 10.50m</b>																		

# K.C.T. Consultancy Services®

Project : TELANGANA STPP ST-II

Bore Hole No. : DBH-80

Location : Telangana

Depth of Termination : 20.00 m

Co-ordinates: E 2748, N 1217

Reduced Level: 146.490 m

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

Date of Start: 07-04-2024

Date of Completion: 08-04-2024

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 reddish brown, fine to medium grained, sandy clays of low plasticity with gravels (CL) <b>0.00 to 0.40m</b>	0.00	0.00	1.50	DS	-	-	-	-	-	-				
	0.50																	
	1.00					Light pinkish red, fine to medium grained, sandy clays of low plasticity with fractured rock fragments <b>0.40 to 1.80m</b>	1.50	1.50	3.00	SPT	5	6	8	14				
	1.50																	
	2.00																	
	2.50																	
	3.00					Light whitish yellow, fine to very fine grained, sandy clays of low plasticity with much gravels (CL) <b>1.80 to 4.30m</b>	3.00	3.00	4.50	SPT	6	9	11	20				
	3.50																	
	4.00																	
	4.50					Light pinkish white and dark reddish, fine to very fine grained, clayey sand with occasional gravels (SC) <b>4.30 to 4.90m</b>	4.50	4.50	6.00	SPT	7	10	12	22				
	5.00																	
	5.50																	
	6.00					Dark brownish red, fine to very fine grained, sandy clays of low plasticity with occasional gravels and rock fragments <b>4.90 to 8.70m</b>	6.00	6.00	7.50	SPT	13	19	24	43				
	6.50																	
	7.00																	
	7.50																	
	8.00																	
	8.50																	
	9.00					Highly weathered, completely fractured and disintegrated, dark black, fine to coarse grained, gravel, pebble and cobble size angular interlocking fragments fractured rock <b>8.70 to 10.50m</b>	9.00	9.00	9.30	SPT	50/3cm	-	-	>100				
	9.50																	
10.00																		
10.50					10.50	9.30	10.50	CORE	-	-	-	33.00	-					
11.00																		
11.50			Highly weathered, weak, yellowish white, fine to medium grained, fractured rock 10.50 to 13.50m	12.00	10.50	12.00	CORE	-	-	-	-	9.33	-					
12.00																		
12.50																		
13.00																		
13.50																		
14.00			Highly weathered, moderately strong, dark brownish and yellowish white, fine to medium grained, fractured rock 13.50 to 15.00m	13.50	12.03	13.50	CORE	-	-	-	-	6.00	-					
14.50																		
15.00																		
15.50			Highly weathered, completely fractured and disintegrated, dark black, fine to coarse grained, gravel, pebble and cobble size angular interlocking fragments fractured rock <b>15.00 to 16.50m</b>	15.00	13.52	15.00	SPT	50/3cm	-	-	>100	-	-					
16.00																		
16.50			Highly weathered, moderately weak, yellowish white, fine to medium grained, rock with very close spacing of discontinuities <b>16.50 to 18.00m</b>	16.50	15.03	16.50	CORE	-	-	-	-	28.66	7.33					
17.00																		
17.50																		
18.00			Slightly weathered, weak, light yellowish white, fine to medium grained, massive rock <b>18.00 to 19.00m</b>	18.00	16.50	18.00	CORE	-	-	-	-	90.00	61.33					
18.50																		
19.00																		
19.50			Moderately weathered, moderately weak, light reddish and whitish, fine to medium grained, rock with close spacing of discontinuities	20.00	18.00	20.00	CORE	-	-	-	-	71.50	18.00					
20.00																		
<b>18.00 to 20.00m</b>																		

BNT-6

K.C.T CONSULTANCY SERVICES, AHMEDABAD

Project: <b>MTDC</b>	Started on: <b>31/01/2024</b>
Method of Boring: <b>Hydraulic Drilling</b>	Completed on: <b>31/01/2024</b>
Location: <b>Ramagundam</b>	Chainage: <b></b>
BH-No: <b>DBH-21</b>	Water Table: <b>0.80m</b>
Depth of Termination: <b>15.00m</b>	Reference Level: <b>145.805</b>
Casing: <b>3.0m</b>	Co-ordinates: <b>E-2662, N-1169</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 red fine to very fine grained silty sandy and clay with gravels (filled up) (0.0m to 0.80m)		0.0	DS							
1.50	Light Brownish gray fine to very fine grained sandy clay with gravels (0.80m to 2.00m)		1.50	SPT	15	21	33	54			
3.0	Redish Brown fine to medium grained sand, soft locm and gravels.		2.8	SPT	50	-	-	>100 (R)			
4.5	DO (2.00m to 4.60m)		4.5	SPT / DS	50	-	-	100 (R)			N/R SPT
6.0	Redish <sup>light</sup> Brownish fine to coars grained, sand stone Rocm		6.0	Rocm					30.37	7.14	
7.50	DO (Redish light brown)		7.5	Rocm					54.0	20.66	
9.0	DO		9.0	Rocm					66.68	30.66	
10.50	DO		10.50	Rocm					74.0	47.33	
12.0	DO		12.00	Rocm					69.0	23.35	

Signature of Site Engineer

Signature of Client

*(Handwritten signature)*

KCT CONSULTANCY SERVICES, AHMEDABAD

Project: NTPC

Method of Boring: Hydraulic Drilling

Started on: 31/01/23

Location: Ramugundam

Completed on: 31/01/23

BH-NO DBH-81

Chainage:

Depth of Termination: 15.0 m

Water Table:

Casing:

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
13.5	DO		13.50	Rock	-	-	-	-	66.66	33.33	
15.0	DO		15.0	Rock	-	-	-	41	70.88	66.66	

Signature of Site Engineer

Signature of Client



E-2700

N-1567



K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project: <u>NTPC</u>						Started on: <u>16/2/24</u>					
Method of Boring: <u>Hydraulic Machine</u>						Completed on: <u>17/2/24</u>					
Location: <u>Ramagundam</u>						Chainage:					
BH-No: <u>DBH-89</u>						Water Table: <u>1.55</u>					
Depth of Termination: <u>20.00M</u>						Reference Level: <u>144.993</u>					
Casing: <u>3.604</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
0.00	<u>Greyish fine to fine silty sandy clay with gravel. (0.00 to 0.20)</u>		0.00	<u>DS</u>	-	-	-	-			
1.50	<u>Greyish mix yellow fine to fine silty sandy some clay with gravel. (0.20 to 1.60M)</u>		1.50	<u>SPT</u>	5	8	10	18			
3.00	<u>Brownish red fine to fine grained silty clay with gravel. (1.60 to <del>3.60M</del> 3.60M)</u>		3.00	<u>U/S SPT</u>	13	20	45	65			<u>NIR U/S</u>
4.50	<u>Brownish Red mix yellow fine to fine coarse grained silty soft Rock</u>		4.50	<u>Rock SPT</u>	<u>51/34</u>	>	>	>100			<u>NIR SPT</u>
6.00	<u>DO (Brown's Red)</u>		6.00	<u>Rock</u>	-	-	-	-			
7.50	<u>DO</u>		7.50	<u>Rock</u>	-	-	-	-			
9.00	<u>DO</u>		9.00	<u>Rock</u>	-	-	-	-			
10.50	<u>DO</u>		10.50	<u>Rock</u>	-	-	-	-			<u>NIR SPT</u>
12.00	<u>DO</u>		12.00	<u>Rock</u>	-	-	-	-			
13.50	<u>DO</u>		13.50	<u>Rock</u>	-	-	-	-			
15.00	<u>DO</u>		15.00	<u>Rock</u>	-	-	-	-			
16.50	<u>DO</u>		16.50	<u>Rock</u>	-	-	-	-			
18.00	<u>DO</u>		18.00	<u>Rock</u>	-	-	-	-			
20.00	<u>DO</u>		20.00	<u>Rock</u>	-	-	-	-			
Signature of Site Engineer <u>Dr. V. Singh.</u>						Signature of Client					

# K.C.T. Consultancy Services®

Project : TELANGANA STPP ST-II

Bore Hole No. : DBH-84

Location : Telangana

Depth of Termination : 20.0 M

Co-ordinates: E 2741, N 1551

Reduced Level: 145.5

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

Date of Start: 17-02-2024

Date of Completion: 19-02-2024

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		Brownish, fine to medium grained, filled up silty sand with little plastic fines and debris <b>0.00 to 1.10m</b>	0.00	0.00	1.50	DS	-	-	-	-	-	-			
	0.50																
	1.00					Blackish brown, fine to medium grained, clayey sand (SC) <b>1.10 to 2.20m</b>	1.50	1.50	3.00	SPT	5	7	7	14	-	-	
	1.50																
	2.00					Light pinkish, fine to coarse grained, clayey sand with much gravels (SC) <b>2.20 to 3.60m</b>	3.00	3.00	4.50	SPT	7	8	10	18	-	-	
	2.50																
	3.00																
	3.50																
	4.00					Highly weathered, completely fractured and disintegrated, Reddish brown, fine to very fine grained, friable and fractured rock <b>3.60 to 6.00m</b>	4.50	4.50	5.30	SPT	60/13 cm	-	-	>100	-	-	
	4.50																
	5.00																
	5.50																
	6.00					Moderately weathered, moderately weak, dark brownish red, fine to very fine grained, rock with very wide spacing of discontinuities <b>6.00 to 7.50m</b>	6.00	5.30	6.00	CORE	-	-	-	-	79.90	42.72	
	6.50																
	7.00																
	7.50																
	8.00																
	8.50					Slightly weathered, moderately weak, dark brownish red, fine to medium grained, massive rock <b>7.50 to 13.50m</b>	9.00	7.50	9.00	CORE	-	-	-	-	88.00	84.00	
	9.00																
	9.50																
10.00																	
10.50																	
11.00																	
11.50																	
12.00																	
12.50																	
13.00																	
13.50																	
14.00				Slightly weathered, moderately weak, dark brownish red, fine to medium grained, rock with close spacing of discontinuities <b>13.50 to 18.20m</b>	13.50	12.00	13.50	CORE	-	-	-	-	86.00	21.33			
14.50																	
15.00																	
15.50																	
16.00																	
16.50																	
17.00																	
17.50																	
18.00																	
18.50																	
19.00				Highly weathered, moderately weak, dark brownish red, fine to medium grained, rock with close spacing of discontinuities	18.00	16.50	18.00	CORE	-	-	-	-	56.00	40.00			
19.50																	
20.00																	
<b>18.20 to 20.00m</b>																	

# K.C.T. Consultancy Services®

Project : TELANGANA STPP ST-II

Bore Hole No. : DBH-85

Location : Telangana

Depth of Termination : 20.00 m

Co-ordinates: E 2706, N 1512

Reduced Level: 145.511 m

Depth of Water Table : Encountered at 1.40 m depth during investigation

Date of Start: 15-02-2024

Date of Completion: 15-02-2024

Diameter of Bore: 150mm and Nx size

Bit Used: Soil Surface Bit and NX Size

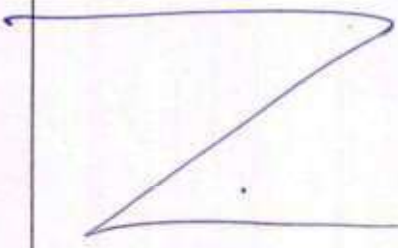
## BORE LOG DATA SHEET

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	[Pattern]	Brownish, fine to medium grained, filled up sandy clays of low plasticity with occasional gravels and debris <b>0.00 to 0.30m</b>	0.00	0.00	1.50	DS	-	-	-	-	-	-		
	0.50															
	1.00		[Pattern]	Dark brownish red, fine to medium grained, clayey sand with occasional gravels (SC) <b>0.30 to 2.40m</b>	1.50	1.50	2.40	SPT	16	51/11cm	-	>100				
	1.50															
	2.00															
	2.50															
	3.00		[Pattern]	Highly weathered, weak, dark brownish red, fine to medium grained, fractured rock <b>2.40 to 5.50m</b>	3.00	2.40	3.00	CORE	-	-	-	-	15.00	-		
	3.50				3.00	3.03	SPT	51/3cm	-	-	>100					
	4.00					4.50	3.03	4.50	CORE	-	-	-	-	22.66	-	
	4.50					4.50	4.50	4.53	SPT	51/3cm	-	-	>100			
	5.00	[Pattern]	Moderately weathered, weak, dark brownish red, fine to medium grained, rock with wide spacing of discontinuities <b>5.50 to 7.50m</b>	6.00	4.53	6.00	CORE	-	-	-	-	58.00	47.33			
	6.50															
	7.00				7.50	6.00	7.50	CORE	-	-	-	-	56.00	24.00		
	7.50				7.50	6.00	7.50	CORE	-	-	-	-	56.00	24.00		
	8.00	[Pattern]	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	-	-	-	-	50.66	-			
	9.50															
	10.00				10.50	9.00	10.50	CORE	-	-	-	-	54.66	15.33		
	10.50				10.50	9.00	10.50	CORE	-	-	-	-	54.66	15.33		
	11.00	Not used	[Pattern]	Moderately weathered, weak, dark brownish red, fine to medium grained, rock with moderately close spacing of discontinuities <b>7.50 to 9.00m</b>	12.00	10.50	12.00	CORE	-	-	-	-	12.00	-		
	11.50															
12.00																
12.50																
13.00																
13.50					13.50	12.00	13.50	CORE	-	-	-	-	22.66	-		
14.00																
14.50				Highly weathered, weak, light brownish red, fine to medium grained, fractured rock <b>12.00 to 18.20m</b>	15.00	13.50	15.00	CORE	-	-	-	-	42.66	-		
15.00																
15.50					16.50	15.00	16.50	CORE	-	-	-	-	22.66	-		
16.00																
16.50																
17.00																
17.50																
18.00				18.00	16.50	18.00	CORE	-	-	-	-	49.33	-			
18.50																
19.00																
19.50																
20.00																
<b>18.20 to 20.00m</b>																

K.C.T CONSULTANCY SERVICES, AHMEDABAD

Project: <b>NTPC</b>	Started on: <b>14/02/24</b>
Method of Boring: <b>Hydrolic</b>	Completed on: <b>17/02/24</b>
Location: <b>Ramagundam (Telangana)</b>	Chainage:
BH-No: <b>DBH-86</b>	Water Table: <b>1.45 mtr</b>
Depth of Termination: <b>15.00 mtr</b>	Reference Level: <b>148.511</b>
Casing: <b>3.00 mtr</b>	Co-ordinates: <b>E1-2664 N-1451</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	Reddish Brown fine to fine grained sandy clay with green fined up soil (0.00 to 0.20m)		0.00m	DS	-	-	-	-			
1.50	Reddish Brown fine to very fine silty sand (0.20 to 2.40m)		1.50m	SPT	$\frac{50}{0.80m}$	>	>	$\frac{140}{R}$			
3.00	Reddish Brown fine to coarse grained formation sand stone soft rock		3.00m	Rock SPT	$\frac{50}{0.30m}$	-	-	-	18.33	0.00	<del>NR</del> <del>SPT</del>
4.00	DO		4.50m	Rock	-	-	-	-	48.66	24%	
6.00	DO		6.00m	Rock	-	-	-	-	28%	16.66	
7.50	DO		7.50	Rock	-	-	-	-	36%	24.66	
9.00	DO		9.00m	Rock	-	-	-	-	90%	52%	
10.50	DO		10.50m	Rock	-	-	-	-	76%	76%	
12.00	DO		12.00m	Rock	-	-	-	-	38.66	12.66	
13.50	DO		13.50	Rock	-	-	-	-	75.23	75.23	
15.00	DO		15.00m	Rock	-	-	-	-	94%	94%	

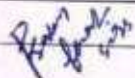


Signature of Site Engineer: *[Signature]* Signature of Client: \_\_\_\_\_

K.C.T CONSULTANCY SERVICES, AHMEDABAD

Project: <b>NTPC</b>	Started on: <b>13/02/24</b>
Method of Boring: <b>Hydraulic</b>	Completed on: <b>15/02/24</b>
Location: <b>Ramagundam (Telangana)</b>	Chainage: _____
BH-No: <b>DBH-87</b>	Water Table: <b>1.50 mtr</b>
Depth of Termination: <b>15.00 mtr</b>	Reference Level: <b>145.882</b>
Casing: <b>3.00 mtr</b>	Co-ordinates: <b>E-2658, N:-1392</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	Reddish Brown fine to fine grained silty clay with some gravel fitted (up to 0.20m)		0.00m	DS	-	-	-	-			
1.50	greyish yellow fine to fine silty clay (0.20m to 2.10m)		1.50m	SPT	2	2	3	5			
3.00	Reddish Brown fine to coarse clay with gravel (2.10m to 3.20m)		3.00m	SPT	$\frac{52}{0.80m}$	>	>	$\frac{140}{R}$			
4.50	Reddish Brown fine to coarse grained sand stone soft Rock		4.50m	Rock	-	-	-	-	82.30	61.53	
6.00	DO		6.00m	Rock	-	-	-	-	46%	22%	
7.50	DO		7.50m	Rock SPT	$\frac{50}{0.20m}$	>	>	$\frac{140}{R}$	7.33	7.23	NR SPT
9.00	DO		9.00m	Rock	-	-	-	-	48.66	48.66	
10.50	DO		10.50m	Rock	-	-	-	-	88%	50.66	
12.00	DO		12.00m	Rock	-	-	-	-	91.23	82.66	
13.50	DO		13.50m	Rock	-	-	-	-	98%	93.33	
15.00	DO		15.00m	Rock	-	-	-	-	94%	94%	

Signature of Site Engineer 

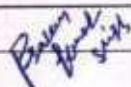
Signature of Client

## K.C.T CONSULTANCY SERVICES, AHMEDABAD

Project: <b>NTPC</b>	Started on: <b>09/02/24</b>
Method of Boring: <b>Hydraulic</b>	Completed on: <b>12/02/24</b>
Location: <b>Ramagundam (Telangana)</b>	Chainage:
BH-No: <b>DBH-88</b>	Water Table: <b>1.60 mFL</b>
Depth of Termination: <b>15.00 mtr</b>	Reference Level: <b>145.886</b>
Casing: <b>3.00 mtr</b>	Co-ordinates: <b>E-2639 N-1349</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 grey fine to fine sandy clay with some gravel filled up soil (0.00m to 0.20m)		0.00m	DS	—	—	—	—			
1.50	greyish fine to fine sandy clay (0.20m to 2.10m)		1.50m	SPT	2	3	3	5			
2.00	yellowish Brown fine to coarse grained sandy clay with gravel		3.00m	UDS SPT	12	10	13	23			NR UDS
4.50	DO (2.10m to 5.40m)		4.50m	SPT	18	21	26	47			
6.00	Brownish grained fine to fine sand with some gravel		6.00m	SPT DS	50 0.9m	>	>	100 R			NR SPT
7.50	DO (5.40m to 8.40m)		7.50m	Rock SPT DS	50 0.5m	>	>	100 R			NR SPT
9.00m	whites grey fine to coarse grained formation sandy stone Rock (8.40m to 9.00m)		9.00m	Rock	—	—	—	—	20.7	0.00	
10.50	Reddish Brown fine to coarse grained sand stone Rock		10.50	Rock	—	—	—	—	40.66	30.66	
12.00	DO		12.00m	Rock	—	—	—	—	21.33	6.66	
13.50	DO		13.50	Rock	—	—	—	—	52.66	19.33	
15.00	DO		15.00m	Rock	—	—	—	—	31.33	0.00	

Signature of Site Engineer



Signature of Client

# K.C.T. Consultancy Services®

Project : TELANGANA STPP ST-II

Bore Hole No. : DBH-89

Location : Telangana

Depth of Termination : 15.0 M

Co-ordinates: E 2602, N 1294

Reduced Level: 145.50 m

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

Date of Start: 10-02-2024

Date of Completion: 10-02-2024

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	[Pattern]	Pinkish brown, fine to coarse grained, filled up clayey sand with much gravels <b>0.00 to 0.70m</b>	0.00	0.00	1.50	DS	-	-	-	-	-	-	
	0.50			Light pinkish, fine to coarse grained, clayey sand (SC) <b>0.70 to 2.10m</b>	1.50	1.50	3.00	SPT	23	32	41	73	-	-	
	1.00				Highly weathered, completely fractured and disintegrated, with gravel, pebble and cobble size fractured rock with dark brownish, fine to medium grained, clayey sand <b>2.10 to 3.30m</b>	3.00	3.00	3.30	SPT	8	50/10 cm	-	>100	-	-
	1.50	Moderately weathered, weak, dark brownish red, fine to very fine grained, rock with close to moderately close spacing of discontinuities <b>3.30 to 7.50m</b>	4.50	3.30		4.50	CORE	-	-	-	-	11.66	-		
	2.00		4.50	4.50		4.53	SPT	50/3 cm	-	-	>100	-	-		
	2.50		6.00	4.53	6.00	CORE	-	-	-	-	65.33	18.66			
	3.00		7.50	6.03	7.50	CORE	-	-	-	-	80.66	24.66			
	3.50		Slightly weathered, moderately weak, dark brownish red, fine to medium grained, rock with moderately close spacing of discontinuities <b>7.50 to 10.50m</b>	9.00	7.50	9.00	CORE	-	-	-	-	92.66	36.00		
	4.00			10.50	9.00	10.50	CORE	-	-	-	-	92.66	58.00		
	4.50	Slightly weathered, weak, dark brownish red, fine to medium grained, rock with very wide spacing of discontinuities <b>10.50 to 13.50m</b>		12.00	10.50	12.00	CORE	-	-	-	-	60.00	47.33		
	5.00			13.50	12.00	13.50	CORE	-	-	-	-	90.66	74.00		
	5.50	Slightly weathered, weak, light brownish white, fine to medium grained, rock with wide spacing of discontinuities	[Pattern]		13.50	12.00	13.50	CORE	-	-	-	-	90.66	74.00	
	6.00				15.00	13.50	15.00	CORE	-	-	-	-	86.66	28.66	
	6.50														
	7.00														
	7.50														
	8.00														
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13.50															
14.00															
14.50															
15.00															

E- 2602  
N- 1252

K.C.T CONSULTANCY SERVICES, AHMEDABAD

Project: <b>NTPC</b>	Started on: <b>10/2/24</b>
Method of Boring: <b>Hydraulic Machine</b>	Completed on: <b>10/2/24</b>
Location: <b>Rama gundam</b>	Chainage: _____
BH-No. <b>DBH-90</b>	Water Table: <b>1.00M</b>
Depth of Termination: <b>15.00M</b>	Reference Level: <b>145.957</b>
Casing: <b>3.10M</b>	

Depth in m	Description	Drill Run Time	Depth of Sample in m	Types of Sample	N1	N2	N3	N Value	C.R. %	ROD	Remark
0.00	Yellowish brownish light white fine to fine sandy silty clay with gravel (0.00 to 0.30M)		0.00	DS	-	-	-	-			
1.50	Brownish Red fine to fine grained sandy silty clay with gravel (0.30 to 2.60M)		1.50	SPT	17	15	21	36			
3.00	Brownish Red fine to fine coarse grained formation sandy stone <sup>soft</sup> Rock (2.60 to 3.00M)		3.00	USDS SPT DS	100 2cm	>	>	>100			NIR USDS/SPT
4.50	Brownish mix yellow fine to fine coarse grained sandy stone Rock.		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		12.00	Rock	-	-	-	-			
13.50	DO		13.50	Rock	-	-	-	-			
15.00	DO (8.00 to 15.00M)		15.00	Rock	-	-	-	-			

Signature of Site Engineer: *Abhinav Pr. Singh*      Signature of Client: \_\_\_\_\_

E-2639

N-1212

K.C.T CONSULTANCY SERVICES, AHMEDABAD												
Project : NTPC						Started on : 14/2/24						
Method of Boring : Hydraulic Machine						Completed on : 14/2/24						
Location : Ramagundam						Chainage :						
BH-No. DBH-99						Water Table : 1.25M						
Depth of Termination : 15.00M						Reference Level : <del>145.885</del>						
Casing : 2.80M						145.885						
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 mix white fine to fine silty sandy clay with gravel. (0.00 to 0.30M)		0.00	DS	—	—	—	—				
1.50	Brownish mix grey fine to fine silty sandy some clay with gravel. (0.30 to 1.50M)		1.50	SPT	9	15	18	33				
3.00	Yellowish mix grey fine to fine coarse grained sandy stone soft Rock (1.50 to 3.00M)		3.00	Rock	$\frac{51}{204}$	>	>	>100			N/R SPT/205	
4.50	Brownish Red mix yellow fine to fine coarse grained sandy <sup>stone</sup> soft Rock		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		12.00	Rock	—	—	—	—				
13.50	DO		13.50	Rock	—	—	—	—				
15.00	DO (8.00M to 15.00M)		15.00	Rock	—	—	—	—				
Signature of Site Engineer <i>Abhinav Singh</i>						Signature of Client						

DBH-02

BNT-01

K.C.T CONSULTANCY SERVICES, AHMEDABAD

Project: <b>NTPC</b>	Started on: <b>6/02/14</b>
Method of Boring: <b>Hydraulic Drilling</b>	Completed on: <b>7/10/14</b>
Location: <b>Ramagandam</b>	Chainage: <b>-</b>
BH-No: <b>DBH-02</b>	Water Table: <b>0.80m</b>
Depth of Termination: <b>15.00m</b>	Reference Level: <b>146.280</b>
Casing: <b>3m</b>	Co-ordinates: <b>E-2601 N-1152</b>

Depth in m	Description	Drill Run Time	Depth of Sample in m	Type of Sample	N1	N2	N3	N Value	C.R. %	RQD	Remark
0.0	Brownish Red fine to coarse grained sandy with gravelly clay (filled up soil) (0.0m to 0.40m)		0.0	DS	-	-	-	-			
1.50	Brownish light red fine to coarsed grained sand with soft rock and boulders. (0.40m to 2.40m)		1.50	SPT	50	-	-	>100 (K)			
3.00	Brownish light red fine to coarsed grained sand stone rock		3.00	Recn SPT	50	-	-	100 (K)	23.23	0.0	N/A SPT
4.50	DO		4.50	Recn SPT	50	-	-	100 (K)	6.0	0.0	N/A SPT
6.00	DO		6.00	Recn SPT	50	-	-	100 (K)	19.0	0.0	N/A SPT
7.50	DO		7.50	Recn	-	-	-	-	20.66	20.66	N/A SPT
9.00	DO		9.00	Recn	-	-	-	-	25.23	12.0	7/2/14
10.50	DO		10.50	Recn	-	-	-	-	20.0	0.0	
12.00	DO		12.00	Recn	-	-	-	-	27.80	6.66	
13.50	DO		13.50	Recn	-	-	-	-	20.0	6.66	
15.00	DO		15.00	Recn	-	-	-	-	20.0	20.0	

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

DBH - 93

BNT-05

K.C.T CONSULTANCY SERVICES, AHMEDABAD	
Project: NTPC	Started on: 15/3/2024
Method of Boring: Hydraulic Drilling	Completed on: 15/3/2024
Location: Ramaganjam	Chainage: -
BH-No. DBH 93	Water Table: 1.00 m
Depth of Termination: 12.00 m	Reference Level: 195.660
Casing: 40m 3.0m	F-2663 m-1865

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 sand clay with blades and gravel (filled up) (0.0 m to 1.0 m)		0.0	DS	-	-	-	-			
1.5	grayish light brown fine to very fine grained sand with fly ash (filled up soil)		1.50	SPT	2	3	3	6			
3.0	DO (0.40 m to 3.20 m)		3.0	SPT	4	50	-	570			
4.5	Brownish Red fine to coarse grained Sand Stone Rocn		4.5	Rocn	-	-	-	-	67.69		63.84
6.0	DO		6.0	Rocn	-	-	-	-	59.33		14.00
7.5	DO		7.50	Rocn	-	-	-	-	70.33		78.0
9.00	DO		9.00	Rocn	-	-	-	-	86.66		78.66
10.50	DO		10.50	Rocn	-	-	-	-	95.33		85.33
12.0	DO		12.00	Rocn	-	-	-	-	86.01		52.01

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

*[Signature]*

K.C.T CONSULTANCY SERVICES, AHMEDABAD	
Project: <u>NTPC</u>	Started on: <u>15/03/24</u>
Method of Boring: <u>Hydrall</u>	Completed on: <u>16/03/24</u>
Location: <u>Ramagardam</u>	Change:
BH-No: <u>94</u>	Water Table: <u>1.30m</u>
Depth of Termination: <u>15.00 mtl</u>	Reference Level: <u>145.564</u>
Casing: <u>3.00 mtl</u>	<u>E:-2631 N:-1511</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	greyish brown fine to fine silty clay filled with silt (0.00m to 0.40m)		0.00m	DS	-	-	-	-			
1.50	greyish fine to very fine grained silty sand (0.40m to 1.80m)		1.50m	SPT	1	2	2	4			
3.00	Brownish fine to fine silty sand with gravel (1.80m to 3.20m)		3.00m	UDS	-	-	-	-			
4.50	Reddish Brown fine to coarse grained sand stone soft rock		4.50	Rock	-	-	-	-	76.3	66.3	
6.00	Do		6.00m	Rock	-	-	-	-	64%	64%	
7.50	Do		7.50m	Rock	-	-	-	-	51.33	39.33	
9.00	Do		9.00m	Rock	-	-	-	-	56.66	43.33	
10.50	Do		10.50	Rock	-	-	-	-	93%	88%	
12.00	Do		12.00	Rock	-	-	-	-	92%	76%	
13.50	Do		13.50m	Rock	-	-	-	-	72%	72%	
15.00	Do		15.00m	Rock	-	-	-	-	79.33	26%	

Signature of Site Engineer *P. Ramani* Signature of Client

DBH:-95

BNT-04

K.C.T CONSULTANCY SERVICES, AHMEDABAD

Project: <u>HTPC</u>	Started on: <u>-15/03/24</u>
Method of Boring: <u>- Hydraulic Drilling</u>	Completed on: <u>-16/03/24</u>
Location: <u>- Ramajundam, Talangana</u>	Chainage:
BH-No. <u>- 95</u>	Water Table: <u>- 1.70m</u>
Depth of Termination: <u>- 10.50m</u>	Reference Level: <u>- 145.656</u>
Casing: <u>- 3.00m</u>	

E: 2598, N: 1454

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, grey fine to very fine, clay with gravels ← filled up soil → (0.0m to 0.30m)		0.0	DS	-	-	-	-			
1.50	Yellowish grey, fine to medium grained, silty sand (0.30m to 2.70m)		1.50	SPT	4	4	7	11			
3.00	Reddish Brownish, fine to medium grained, silty sand with gravels (2.70m to 3.40m)		3.00	SPT	50	-	-	>100 (R)			
4.50	Reddish Brown, fine to coarse grained, sand stone with soft rock		4.50	Rock	-	-	-	-			57.27% 10.00%
6.00	← DO →		6.00	Rock	-	-	-	-			90.00% 67.93%
7.50	← DO →		7.50	Rock	-	-	-	-			92.00% 92.00%
9.00	← DO →		9.00	Rock	-	-	-	-			85.33% 85.33%
10.50	← DO →		10.50	Rock	-	-	-	-			90.00% 90.00%

Signature of Site Engineer

*[Signature]*  
16/03/24

Signature of Client

DBH:-96

KCT-02

K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project : - NTPC						Started on : - 15/03/24					
Method of Boring : - Hydraulic Drilling						Completed on : - 16/03/24					
Location : - Ramagundam, Telangana						Chainage :					
BH-No. - 96						Water Table : - 1.60m					
Depth of Termination : 15.00m						Reference Level : - 145.725					
Casing : 3.00m						E:-2607, N:-1401					
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 medium grained clay with sand & clay Ash										
0.0	← biledup soil → (0.0m to 0.30m)		0.0	DS	-	-	-	-			
1.50	Redish Brown, fine to medium grained Silty sand with Soft sand stone		1.50	SPT							
3.00	(0.30m to 1.70m) Redish Brown, fine to coarse grained, Sand stone with Soft rock		3.00	Rock	-	-	-	-	32.30%	19.23%	
4.50	← DO →		4.50	Rock	-	-	-	-	45.33%	44.66%	
6.00	← DO →		6.00	Rock	-	-	-	-	51.33%	51.33%	
7.50	← DO →		7.50	Rock	-	-	-	-	53.33%	53.33%	
9.00	← DO →		9.00	Rock	-	-	-	-	82.66%	28.00%	
10.50	← DO →		10.50	Rock	-	-	-	-	80.00%	45.33%	
Signature of Site Engineer						Signature of Client					

Hiba  
16/03/24



Drawing E-72569  
N-7 1385

BNT-07

K.C.T CONSULTANCY SERVICES, AHMEDABAD

Project: NTPC	Started on: 23/04/2024
Method of Boring: HYDRULIC DRILLING	Completed on: 14/04/2024
Location: RAMAGUNDAM	Chainage:
BH-No: DBH-07	Water Table:
Depth of Termination: 15 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	CR %	RQD	Remark
0.0	Redish Brown fine to medium grained silty clay with gravel.		0.0	DS	-	-	-	-			
1.5	← DO → (0.0m to 1.30m)		1.5	SPT	7	9	12	21			
3.0	Redish white fine to medium grained clay SAND with gravel.		3.0	SPT	9	13	17	30			
4.5	← DO → (1.90m to 5.70m)		4.5	SPT	12	14	40	54			
6.0	Redish white fine to medium grained fractured SAND STONE		6.0	Rock SPT / rock	50	-	-	7100			
7.5	← DO →		7.5	ROCK	-	-	-	-	37%	18%	
9.0	← DO →		9.0	ROCK	-	-	-	-	83%	35%	
10.5	← DO →		10.5	ROCK	-	-	-	-	70%	32%	
12.0	← DO →		12.0	ROCK	-	-	-	-	57%	39%	
13.5	← DO →		13.5	ROCK	-	-	-	-	57%	53%	
15	← DO → (5.70m to 15.00m)		15	ROCK	-	-	-	-	77%	33%	

Signature of Site Engineer S. Mandal

Signature of Client

# K.C.T. Consultancy Services®

Project : TELANGANA STPP ST-II

Bore Hole No. : DBH-98

Location : Telangana

Depth of Termination : 15.0 M

Co-ordinates: E 2670, N 1327

Reduced Level:

Depth of Water Table : Encountered at 0.60 m depth during investigation

Date of Start: 01-02-2024

Date of Completion: 01-02-2024

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		Light pinkish white, fine to medium grained, clayey sand with occasional fragments of rock (SC) <b>0.00 to 0.30m</b>	0.00	0.00	1.50	DS	-	-	-	-	-	-			
	0.50																
	1.00					Light yellowish white, fine to medium grained, clayey sand with occasional fragments of rock (SC) <b>0.30 to 2.50m</b>	1.50	1.50	2.50	SPT	15	36	46	82	-	-	
	1.50																
	2.00																
	2.50	Not used		Highly weathered, weak, yellowish white, fine to medium grained, fractured rock <b>2.50 to 4.50m</b>	3.00	2.50	3.00	CORE	-	-	-	-	20.00	-			
	3.00																
	3.50																
	4.00																
	4.50						4.50	3.00	4.50	DS	-	-	-	-	-	-	
	5.00																
	5.50					Highly weathered, very weak and friable, brownish red, fine to medium grained, rock <b>4.50 to 6.00m</b>	6.00	4.50	6.00	CORE	-	-	-	-	36.00	20.00	
	6.00																
	6.50																
	7.00																
	7.50			Highly weathered, weak, yellowish white, fine to medium grained, rock with close spacing of discontinuities <b>6.00 to 9.00m</b>	7.50	6.00	7.50	CORE	-	-	-	-	32.66	8.66			
	8.00																
	8.50																
	9.00				9.00	7.50	9.00	CORE	-	-	-	-	32.00	-			
	9.50																
	10.00																
	10.50				10.50	9.00	10.50	CORE	-	-	-	-	27.33	-			
	11.00			Highly weathered, weak, yellowish white to brownish white, fine to medium grained, fractured rock <b>9.00 to 14.00m</b>	12.00	10.50	12.00	CORE	-	-	-	-	44.00	6.66			
	11.50																
	12.00																
	12.50																
	13.00				13.50	12.00	13.50	CORE	-	-	-	-	18.66	-			
	13.50																
	14.00																
	14.50			Highly weathered, weak, dark reddish and brownish yellow, fine to medium grained, rock with wide spacing of discontinuities	15.00	13.50	15.00	CORE	-	-	-	-	42.66	30.00			
	15.00																
<b>14.00 to 15.00m</b>																	

# K.C.T. Consultancy Services®

Project : TELANGANA STPP ST-II

Bore Hole No. : DBH-99

Location : Telangana

Depth of Termination : 12.0 m

Co-ordinates: E 2533, N 1275

Reduced Level: 145.50 m

Depth of Water Table : Encountered at 0.50m depth during investigation

Date of Start: 02-02-2024

Date of Completion: 02-02-2024

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	[Hatched Pattern]	Reddish brown, fine to medium grained, filled up clayey sand with occasional fragments of rock and debris <b>0.00 to 0.50m</b>	0.00	0.00	1.50	DS	-	-	-	-	-	-				
	0.50				1.50	3.00	SPT	50	-	-	>100	-	-					
	1.00																	
	1.50																	
	2.00																	
	2.50																	
	3.00																	
	3.50																	
	4.00																	
	4.50																	
	5.00																	
	5.50																	
6.00																		
6.50																		
7.00		Not used	[Hatched Pattern]	Highly weathered, moderately weak, light whitish yellow, fine to medium grained, rock with moderately close spacing of discontinuities <b>5.10 to 7.50m</b>	6.00	4.50	6.00	CORE	-	-	-	-	60.66	15.33				
7.50	6.00				7.50	CORE	-	-	-	-	76.00	52.00						
8.00																		
8.50																		
9.00																		
9.50																		
10.00																		
10.50																		
11.00																		
11.50																		
12.00																		

For KCT Consultancy Services

(Dr. KK Tripathi)

11.00 to 12.00m

Fig. No.

BNT-04

## K.C.T CONSULTANCY SERVICES, AHMEDABAD

Project: <b>NTPC</b>	Started on: <b>31/01/24</b>
Method of Boring: <b>Hydrolic</b>	Completed on: <b>01/02/24</b>
Location: <b>Ramagundam, (Telangana)</b>	Chainage:
BH-No: <b>DBH-100</b>	Water Table: <b>0.50m</b>
Depth of Termination: <b>15.00m</b>	Reference Level: <b>145.681</b>
Casing: <b>E-2566 N-1244</b>	Co-ordinates:

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 light Brown coarse to fine silty clay with some gravel Filled up soil (0.00m to 0.60m)		0.00m	DS	—	—	—	—			
1.50	Reddish Brown fine to fine grained sandy clay with gravel		1.50m	SPT	7	9	11	20			
3.00	Do		3.00m	UDS	—	—	—	—			
4.50	Do (0.50m to 4.90m)		4.50m	SPT DS	50	>	>	100 R			NR SPT
6.00	Reddish Brown coarse to fine grained sand stone Rock		6.00m	Rock	—	—	—	—	25.45		
7.50	Do		7.50m	Rock	—	—	—	—	28.6	8.6	
9.00	Do		9.00m	Rock	—	—	—	—	40.6	17.3	
10.50	Do		10.50m	Rock	—	—	—	—	32.6		
12.00	Do		12.00m	Rock	—	—	—	—	37.3		
13.50	Do		13.50m	Rock	—	—	—	—	25.35		
15.00	Do		15.00m	Rock	—	—	—	—	27.23		

Signature of Site Engineer

*Prasanna  
Jurnal  
Sri*

Signature of Client

# K.C.T. Consultancy Services®

Project : TELANGANA STPP ST-II

Bore Hole No. : DBH-101

Location : ESP U#3

Depth of Termination : 15.0 M

Co-ordinates: N 2074304, E 338855

Reduced level: 145.5

Depth of Water Table : Encountered at 0.50 m depth during investigation

Date of Start: 31-01-2024

Date of Completion: 01-02-2024

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		Pinkish brown, fine to very fine grained, clayey sand with occasional fragments of rock and debris <b>0.00 to 0.70m</b>	0.00	0.00	1.50	DS	-	-	-	-	-	-			
	0.50			Blackish brown, fine to very fine grained, sandy clays of low plasticity with occasional rock fragments <b>0.70 to 1.60m</b>													
	1.00																
	1.50						1.50	1.50	3.00	SPT	58	-	-	>100	-	-	
	2.00																
	2.50																
	3.00					Highly weathered, completely fractured and disintegrated, Dar reddish brown, fine to very fine grained, friable and fractured sand stone <b>1.60 to 4.90m</b>	3.00	3.00	4.50	SPT	50/8 cm	-	-	>100	-	-	
	3.50																
	4.00																
	4.50						4.50	4.50	4.54	SPT	50/4 cm	-	-	>100	-	-	
	5.00																
	5.50																
	6.00					Highly weathered, weak, light whitish yellow, fine to very fine grained, rock with very close spacing of discontinuities <b>4.90 to 7.50m</b>	6.00	4.56	6.00	CORE	-	-	-	-	31.81	10.00	
	6.50																
	7.00																
	7.50					Highly weathered, weak, light whitish yellow, fine to very fine grained, rock with moderately close spacing of discontinuities <b>7.50 to 9.00m</b>	7.50	6.00	7.50	CORE	-	-	-	-	48.00	22.60	
	8.00																
	8.50																
9.00			Moderately weathered, moderately strong, whitish yellow and slightly greyish, fine to very fine grained, rock with very wide spacing of discontinuities <b>9.00 to 10.50m</b>	9.00	7.50	9.00	CORE	-	-	-	-	69.33	56.00				
9.50																	
10.00																	
10.50			Moderately weathered, moderately weak, whitish yellow and dark brownish red, fine to very fine grained, rock with very close spacing of discontinuities <b>10.50 to 12.00m</b>	10.50	9.00	10.50	CORE	-	-	-	-	58.00	6.66				
11.00																	
11.50																	
12.00																	
12.50																	
13.00																	
13.50			Highly weathered, weak, light brownish white, fine to very grained, completely fractured rock	13.50	12.00	13.50	CORE	-	-	-	-	14.66	-				
14.00																	
14.50																	
15.00					15.00	13.50	15.00	CORE	-	-	-	-	90.00	-			
<b>12.00 to 15.00m</b>																	

Project: <b>NTPC</b>	Started on: <b>15/3/24</b>
Method of Boring: <b>Hydraulic machine</b>	Completed on: <b>15/3/24</b>
Location: <b>Ramagundam</b>	Chainage:
BH-No. <b>DBH-103</b>	Water Table: <b>1.29m</b>
Depth of Termination: <b>12.00M</b>	Reference Level: <b>145.400</b>
Casing: <b>9.80M</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 some sandy clay with some gravels. (0.00 to 0.40M)		0.00	DS	-	-	-	-			
1.50	Greyish fine to fine grained silty sandy with <del>with</del> gravels. (0.40 to 1.60M)		1.50	SPT	2	3	4	7			
3.00	Redish brown fine to fine grained silty some sand with gravels. (1.60 to 3.10M)		3.00	UDS SPT	51	>	>	>100			NIRUDS
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	-	-	-	-			
10.50	DO		10.50	Rock	-	-	-	-			
12.00	DO (9.10 to 12.00M)		12.00	Rock	-	-	-	-			

Signature of Site Engineer

Anil K. Singh

Signature of Client

Project: <b>NTPC</b>	Started on: <b>13/3/24</b>
Method of Boring: <b>Hydraulic Machine</b>	Completed on: <b>15/3/24</b>
Location: <b>Ramagundam</b>	Chainage:
BH-No: <b>DBH-104</b>	Water Table: <b>1.31M</b>
Depth of Termination: <b>15.00M</b>	Reference Level: <b>145.670</b>
Casing: <b>4.60M</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 yellow fine to fine silty sandy clay fillup with gravel (0.00 to 0.40M)		0.00	DS	-	-	-	-			
1.50	greyish fine to fine grained silty sandy with gravel. (0.40 to 1.60M)		1.50	SPT	2	3	4	7			
3.00	Do but yellowish white (1.60 to 3.20M)		3.00	$\frac{VDS}{SPT}$ DS	5	8	14	22			NIR SPT/DS taken DS
4.50	Redish brown fine to fine coarse grained silty formation soft Rock.		4.50	ROCK $\frac{SPT}{4cm}$	51	>	>	>100			NIR Rock
6.00	Do (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	-	-	-	-			
13.50	DO		13.50	ROCK	-	-	-	-			
15.00	DO (3.20 to 15.00M)		15.00	ROCK	-	-	-	-			

Signature of Site Engineer **Sanjay K. Singh**

Signature of Client

E-2566  
N-1486

K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project : NTPC		Method of Boring : Hydraulic Machine		Location : Ramagundam		BH-No. : 105		Depth of Termination : 10.50M		Casing : 3.10M	
Started on : 12/3/24		Completed on : 13/3/24		Chainage :		Water Table : 1.28M		Reference Level : 145.749			
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 some sandy, clay with gravel. (0.00 to 0.90M)		0.00	DS	-	-	-	-			
1.50	Brownish mix grey fine to fine grained silty sandy with some gravel. (0.40 to 1.90M)		1.50	SPT	8	15	36	51			
3.00	Redish Brown fine to fine coarse grained silty formation soft Rock. (1.90 to 3.60M)		3.00	ROCK SPT DS	51 3/m	>	>	>100			ALL SPT taken DS
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	-	-	-	-			
10.50	DO (3.60 to 10.50M)		10.50	Rock	-	-	-	-			
Signature of Site Engineer		Sanu K. Singh		Signature of Client							

BNT-04  
DBH-106

K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project - NTPC						Started on: - 14/03/24					
Method of Boring: - Hydraulic Drilling						Completed on: - 15/03/24					
Location: - Ramnagundam, Telangana						Chainage:					
BH-No. - 106						Water Table: - 1.40m					
Depth of Termination: - 15.00m						Reference Level: - 145.670					
Casing: - 300mm						E-2540, N:-1437					
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, clay with sand & gravels, filledup soil (0.0m to 0.20m)		0.0	DS	-	-	-	-			
1.50	Whitish grey fine to fine grained, silty sand with gravels.		1.50	SPT	7	8	10	18			
3.00	Do		3.00	UDS SPT	9	12	15	27			NR
4.50	Do (0.20m to 5.20m)		4.50	DS SPT	50			>100			UDS NR
6.00	Reddish whitish, fine to coarse grained sand with soft sand Stone & soft Rock		6.00	Rock	-	-	-	-	22.50%		
7.50	Do		7.50	Rock	-	-	-	-	76.66%		
9.00	Do		9.00	Rock	-	-	-	-	32.66%		
10.50	Do		10.50	Rock	-	-	-	-	69.33%		
12.00	Do		12.00	Rock	-	-	-	-	63.33%		
13.50	Do		13.50	Rock	-	-	-	-	44.66%		
15.00	Do		15.00	Rock	-	-	-	-	32.00%		
									71.33%		
									81.33%		
									52.66%		
									76.66%		

Signature of Site Engineer

Signature of Client

~~Hitesh~~  
15/03/24

# K.C.T. Consultancy Services®

Project : TELANGANA STPP ST-II

Bore Hole No. : DBH-107

Location : Telangana

Depth of Termination : 15.0 m

Co-ordinates: E 2519, N 1360

Reduced level: 145.614 m

Depth of Water Table : Encountered at 0.90 m depth during investigation

Date of Start: 10-02-2024

Date of Completion: 12-02-2024

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	To		N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	N				
						m	m									
Rotary drilling method	0.00	Used		Light brownish and light pinkish, fine to very fine grained, sandy clays of intermediate plasticity with some gravels (Cl) <b>0.00 to 2.70m</b>	0.00	0.00	0.70	DS	-	-	-	-	-	-		
	0.50															
	1.00															
	1.50				1.50	1.50	3.00	SPT	10	14	19	33	-	-		
	2.00															
	2.50															
	3.00	Not used		Highly weathered, completely fractured and disintegrated, dark brownish red, fine to very fine grained, fractured rock fragments with infilled dark brownish red, fine to very fine grained, clayey sand <b>2.70 to 4.30m</b>	3.00	3.00	3.60	SPT	50/10 cm	-	-	>100	-	-		
	3.50															
	4.00															
	4.50				Highly weathered, dark brownish red, fine to very fine grained, fractured rock <b>4.30 to 6.00m</b>	4.50	3.60	4.50	CORE	-	-	-	-	6.92	-	
	5.00				4.50	4.50	4.54	SPT	50/4cm	-	-	>100	-	-		
	5.50															
	6.00				Moderately weathered, moderately weak, Light brownish white, fine to medium grained, rock with closely spacing of discontinuities <b>6.00 to 7.50m</b>	6.00	4.54	6.00	CORE	-	-	-	-	61.23	23.33	
	6.50															
	7.00															
	7.50					7.50	6.00	7.50	CORE	-	-	-	-	45.33	-	
	8.00															
	8.50				Highly weathered, weak, light brownish white, fine to medium grained, fractured rock <b>7.50 to 10.50m</b>	9.00	7.50	9.00	CORE	-	-	-	-	31.33	-	
9.00																
9.50																
10.00																
10.50				Highly weathered, weak, dark brownish red, fine to medium grained, rock with close spacing of discontinuities <b>10.50 to 12.00m</b>	10.50	9.00	10.50	CORE	-	-	-	-	49.33	8.66		
11.00																
11.50																
12.00				Highly weathered, weak, dark brownish red, fine to very fine grained, fractured rock <b>12.00 to 13.50m</b>	12.00	10.50	12.00	CORE	-	-	-	-	36.00	8.00		
12.50																
13.00																
13.50				Moderately weathered, moderately weak, light brownish, fine to medium grained, rock with closely spacing of discontinuities <b>13.50 to 14.00m</b>	13.50	12.00	13.50	CORE	-	-	-	-	65.33	18.66		
14.00																
14.50				Highly weathered, weak, light brownish, fine to medium grained, rock with close spacing of discontinuities												
15.00					15.00	13.50	15.00	CORE	-	-	-	-	32.00	7.33		
<b>14.00 to 15.00m</b>																

# K.C.T. Consultancy Services®

Project : TELANGANA STPP ST-II

Bore Hole No. : DBH-108

Location : Telangana

Depth of Termination : 15.0 M

Co-ordinates: E 2518, N 1303

Reduced level:

Depth of Water Table : Encountered at m depth during investigation

Date of Start: 12-02-2024

Date of Completion: 13-02-2024

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		Light pinkish brown and light yellowish white, fine to medium grained, sandy clays of intermediate plasticity with occasional gravels <b>0.00 to 2.30m</b>	0.00	0.00	1.50	DS	-	-	-	-	-	-				
	0.50																	
	1.00																	
	1.50							1.50	1.50	1.53	SPT	57/3 cm	-	-	>100	-	-	
	2.00																	
	2.50	Not used		Highly weathered, weak, light brownish white and pinkish brown, fine to medium grained, fractured rock <b>2.30 to 10.50m</b>	3.00	1.53	3.00	Core	-	-	-	-	15.33	-				
	3.50				3.00	3.00	3.04	SPT	50/4 cm	-	-	>100						
	4.00																	
	4.50				4.50	3.04	4.50	CORE	-	-	-	-	14.00	-				
	5.00				4.50	4.50	4.53	SPT	51/3 cm	-	-	>100						
	5.50																	
	6.00				6.00	4.53	6.00	CORE	-	-	-	-	10.00	-				
	6.50				6.00	6.00	6.03	SPT	50/3 cm	-	-	>100						
	7.00																	
	7.50				7.50	6.03	7.50	CORE	-	-	-	-	13.33	-				
	8.00				7.50	7.50	7.53	SPT	51/3 cm	-	-	>100						
	8.50																	
	9.00				9.00	7.50	9.00	DS	-	-	-	-	2.00	-				
	9.50				9.00	9.00	9.03	SPT	51/3 cm	-	-	>100						
	10.00																	
10.50	10.50	9.00	10.50	CORE	-	-	-	-	40.00	6.66								
11.00																		
11.50				Highly weathered, weak, light brownish white and pinkish brown, fine to medium grained, rock with very close spacing of discontinuities <b>10.50 to 12.00m</b>	10.50	9.00	10.50	CORE	-	-	-	-	40.00	6.66				
12.00					12.00	10.50	12.00	CORE	-	-	-	-	48.00	16.66				
12.50																		
13.00				Highly weathered, weak, light brownish white and pinkish brown, fine to medium grained, rock with close spacing of discontinuities	13.50	12.00	13.50	CORE	-	-	-	-	50.00	7.33				
13.50																		
14.00																		
14.50																		
15.00					15.00	13.50	15.00	CORE	-	-	-	-	24.66	7.33				
<b>12.00 to 15.00m</b>																		

# K.C.T. Consultancy Services®

Project : TELANGANA STPP ST-II

Bore Hole No. : DBH-111

Location : ID U#3

Depth of Termination : 15.0 M

Co-ordinates: E 2506, N 1158

Reduced level: 145.50 m

Depth of Water Table : Encountered at m depth during investigation

Date of Start: 05-02-2024

Date of Completion: 05-02-2024

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	[Pattern]	Reddish brown, fine to medium grained, filled up clayey sand with rock fragments and debris	0.00	0.00	1.50	DS	-	-	-	-	-	-				
	0.50				<b>0.00 to 0.80m</b>													
	1.00				Light pinkish and whitish red, fine to medium grained, clayey sand with occasional rock fragments	1.50	1.50	1.56	SPT	50/6 cm	-	-	>100	-	-			
	1.50				<b>0.80 to 2.10m</b>													
	2.00																	
	2.50																	
	3.00					Highly weathered, completely fractured, light brownish yellow, fine to medium grained, rock	3.00	2.10	4.50	Core	-	-	-	-	24.66	-		
	3.50					<b>2.10 to 4.50m</b>	3.00	3.00	3.03	SPT	50/3 cm	-	-	>100	-			
	4.00																	
	4.50					Highly weathered, moderately weak, brownish red, fine to medium grained, fractured rock	5.50	4.50	6.00	Core	-	-	-	-	52.66	-		
	5.00					4.50 to 6.00m												
	5.50																	
	6.00					Highly weathered, completely fractured and disintegrated, light brownish yellow, fine to medium grained, gravel, pebble and cobble size fragments of fractured rock	6.00	6.00	7.10	SPT	24	31	42	73	-	-		
	6.50					<b>6.00 to 7.50m</b>												
	7.00																	
	7.50				Not used	[Pattern]	Highly weathered, moderately weak, dark brownish, fine to medium grained, rock with very close spacing of discontinuities	7.50	7.10	7.50	CORE	-	-	-	-	52.66	-	
	8.00						<b>7.50 to 9.00m</b>											
	8.50																	
9.00			Highly weathered, moderately weak, dark brownish red, fine to medium grained, fractured rock	9.00			7.50	9.00	CORE	-	-	-	-	54.66	14.66			
9.50			<b>9.00 to 10.50m</b>															
10.00																		
10.50																		
11.00																		
11.50																		
12.00				Moderately weathered, moderately weak, dark brownish red, fine to very fine grained, rock with close spacing of discontinuities	12.00	10.50	12.00	CORE	-	-	-	-	58.00	6.66				
12.50				<b>10.50 to 14.00m</b>														
13.00																		
13.50																		
14.00				Slightly weathered, moderately weak, dark brownish red and whitish fine to medium grained, rock with moderately close spacing of discontinuities	13.50	12.00	13.50	CORE	-	-	-	-	45.33	10.66				
14.50																		
15.00					15.00	13.50	15.00	CORE	-	-	-	-	78.00	22.66				
<b>14.00 to 15.00m</b>																		

E-2492

N-1249

K.C.T CONSULTANCY SERVICES, AHMEDABAD											
Project: <u>NTPC</u>						Started on: <u>18/2/24</u>					
Method of Boring: <u>Hydraulic Machine</u>						Completed on: <u>19/2/24</u>					
Location: <u>Ramagundam</u>						Chainage:					
BH-No. - <u>DBH-109</u>						Water Table: <u>1.65M</u>					
Depth of Termination: <u>12</u>						Reference Level: <u>144.668</u>					
Casing: <u>3.10M</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 mix yellow fine to fine silty sandy clay with gravel. (0.00 to 0.30M)		0.00	DS	-	-	-	-			
1.50	Brownish mix yellow white fine to fine grained silty sandy clay with some gravel.		1.50	SPT	$\frac{51}{7cm}$	>	>	>100			
3.00	DO (0.30 to 3.50M)		3.00	UDS SPT	$\frac{51}{13cm}$	>	>	>100			NIR taken SPT
4.50	Mix yellowish red fine to fine coarse grained silty sandy stone soft rock.		4.50	Rock	-	-	-	-			<del>Rock</del>
6.00	DO		6.00	Rock SPT	$\frac{51}{2cm}$	>	>	>100			NIR SPT
7.50	DO		7.50	Rock	-	-	-	-			
9.00	DO		9.00	Rock SPT	$\frac{51}{3cm}$	>	>	>100			NIR SPT
10.50	DO		10.50	Rock	-	-	-	-			
12.00	DO (3.50M to 12.00M)		12.00	Rock	-	-	-	-			
Signature of Site Engineer		<u>Sankar. Singh</u>				Signature of Client					

DBH-110  
BNT-07

N-1197  
E-2983

K.C.T CONSULTANCY SERVICES, AHMEDABAD

Project: - NTPC	Started on: - 12-03-24
Method of Boring: - Hydraulic Drilling	Completed on: - 13-07-24
Location: - Ramagudam	Chainage:
BH-No. - 110	Water Table: 1.10 mt
Depth of Termination: - 18.00 mt	Reference Level: 195.885
Casing: - 3.00 mt	

195.885

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 coarse grained sandy clay with much gravel (0.00m to 0.60m)		0.00m	DS	-	-	-	-			
1.50	greyish mix white fine to coarse grained formation sand stone soft rock		1.50m	Rock SPT	20	>	>	100	8.88		N.R SPT
3.00	Do		3.00m	Rock SPT	50	>	>	100	14.00		N.R SPT
4.50	Do		4.50	Rock				58.00			
6.00	Do		6.00	Rock				62.33			17.33 9.33
7.50	Reddish brown and white coarsed to fine grained sand stone with structure rock		7.50	Rock				64.00			
9.00	Do		9.00	Rock				66.00		17.33	
10.50	Do		10.50	Rock				75.33		33.33	
12.00	Do		12.00	Rock				76.00			
13.50	Do		13.50	Rock				74.00		68.00	
15.00	Do		15.00	Rock				80.00		80.00	
16.50	Do		16.50	Rock				94.66		85.33	
18.00	Do		18.00	Rock				84.33		14.66	

Signature of Site Engineer Anil K. Sathani  
13/08/24

Signature of Client

# K.C.T. Consultancy Services®

Project : TELANGANA STPP ST-II

Bore Hole No. : DBH-112

Location : Telangana

Depth of Termination : 10.50 m

Co-ordinates: E 2523, N 1567

Reduced level: 145.595 M

Depth of Water Table : Encountered at 1.26m depth during investigation

Date of Start: 11-03-2024

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		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]	Dark brownish Red, fine to medium grained, clayey sand with gravels 0.00 to 0.40m	0.00	0.00	1.50	DS	-	-	-	-	-	-																	
	0.50				0.50	1.00	Dark greyish, fine to very fine grained, silty clays of low plasticity mixed with flyash 0.40 to 1.70m	1.50	3.00	SPT	3	5	9	14	-	-	-														
	1.00				1.00	1.50																									
	1.50				1.50	2.00																									
	2.00				2.00	2.50																									
	2.50				2.50	3.00																									
	3.00				3.00	3.50																									
	3.50				3.50	4.00																									
	4.00				4.00	4.50													Dark brownish Red, fine to medium grained, clayey sand with some gravels (SC) 1.70 to 4.50m	3.00	4.50	SPT	14	51/5cm	-	-	>100	-	-	-	
	4.50				4.50	5.00																									
	5.00				5.00	5.50																									
	5.50				5.50	6.00																									
	6.00				6.00	6.50																									
	6.50				6.50	7.00																									
	7.00				7.00	7.50																									
7.50	7.50	8.00																													
8.00	8.00	8.50																													
8.50	8.50	9.00																													
9.00	9.00	9.50																													
9.50	9.50	10.00																													
10.00	10.00	10.50	Highly weathered, completely fractured and disintegrated, dark black, fine to coarse grained, gravel, pebble and cobble size angular interlocking fragments fractured rock 4.50 to 6.00m	4.50	4.53	SPT	51/3cm	-	-	-	>100	-	-	-																	
4.50	4.50	5.00																													
5.00	5.00	5.50																													
5.50	5.50	6.00																													
6.00	6.00	6.50																													
6.50	6.50	7.00																													
7.00	7.00	7.50																													
7.50	7.50	8.00																													
8.00	8.00	8.50																													
8.50	8.50	9.00																													
9.00	9.00	9.50																													
9.50	9.50	10.00																													
10.00	10.00	10.50														Moderately weathered, weak, dark reddish, fine to medium grained, rock with wide spacing of discontinuities 6.00 to 7.50m	6.00	4.53	CORE	-	-	-	-	55.33	55.33	-	-				
6.00	6.00	6.50																													
6.50	6.50	7.00																													
7.00	7.00	7.50																													
7.50	7.50	8.00																													
8.00	8.00	8.50																													
8.50	8.50	9.00																													
9.00	9.00	9.50																													
9.50	9.50	10.00																													
10.00	10.00	10.50																													
10.50	10.50	10.50	Slightly weathered, moderately weak, dark brownish red, fine to medium grained, massive rock	7.50	6.00	CORE	-	-	-	-	90.00	86.60	-	-																	
7.50	7.50	8.00																													
8.00	8.00	8.50																													
8.50	8.50	9.00																													
9.00	9.00	9.50																													
9.50	9.50	10.00																													
10.00	10.00	10.50																													
10.50	10.50	10.50																													
10.50	10.50	10.50														7.50 to 10.50m	9.00	10.50	CORE	-	-	-	-	93.33	74.66	-	-				
9.00	9.00	9.50																													
9.50	9.50	10.00																													
10.00	10.00	10.50																													
10.50	10.50	10.50																													