


CLAUSE NO.	TECHNICAL REQUIREMENTS			
D-1-12(B)	ANNEXURE (B)			
	CONSTRUCTION METHODOLOGY			
<p>Construction and erection activities shall be fully mechanized from the start of the work.</p> <p>All excavation and backfilling work shall be done using excavators, loaders, dumpers, dozers, poclains, excavator mounted rock breakers, rollers, sprinklers, water tankers, etc. Manual excavation can be done only on isolated places with specific approval of engineer.</p> <p>For controlled rock blasting specialized agency, equipped with sensors to assess the impact of the blast on the adjoining existing structures, shall be employed.</p> <p>Dewatering shall be done using the combination of electrical and standby diesel pumps.</p> <p>Pile installation equipment suitable for flushing with air lift technique shall be used for construction of bored piles.</p> <p>For concreting, weigh batching plants, transit mixers, concrete pumps, hoists, etc. shall be used.</p> <p>All fabrication and erection activities of structural steel shall be carried out using automatic submerged arc welding machines, cutting machines, gantry cranes, crawler mounted heavy cranes and other equipment like heavy plate bending machines, shearing machines, lathe, milling machines, etc. Use of derricks shall not be permitted. Special enclosures, for blast cleaning of steel structure surface preparation, shall be used.</p> <p>All handling of materials shall be with cranes. Heavy trailers shall be used for transportation.</p> <p>Mechanized modular units of scaffolding and shuttering shall be used.</p> <p>Grouting shall be carried out using hydraulically controlled grouting equipment.</p> <p>Roadwork shall be done using pavers, rollers and premix plant.</p> <p>All finishing items shall be installed using appropriate modern mechanical tools. Manual punching etc. shall not be permitted.</p> <p>Heavy duty hoists for lifting of construction materials shall be deployed. Compressors for cleaning of foundations and other surfaces shall be used.</p> <p>Field laboratory shall be provided with all modern equipment for survey, testing of soil, aggregates, concrete, welding, etc. For testing of steel works, ultrasonic testing machines, radiographic testing machines, dye penetration test equipment, destruction testing equipment, etc. shall be deployed.</p> <p>All persons working at site shall be provided with necessary safety equipment and all safety aspects shall be duly considered for each construction/ erection activity. Moreover, only the persons who are trained in the respective trade shall be employed for executing that particular work.</p>				
SINGARENI THERMAL POWER PROJECT STAGE-II (1X800 MW) EPC PACKAGE		TECHNICAL SPECIFICATION SECTION-VI, PART-B BID DOC NO.:CW-CM-11159-C-O-M-001	SUB-SECTION-D-1-12(B) CIVIL WORKS ANNEX_B_CONSTRUCTIONMET HODOLOGY	PAGE 1 OF 1

BORE LOG DATA SHEET

BORE HOLE NO. 1

Co-ordinates E=262.000
N=(-)208.000

Field Test	Nos	Samples	Nos	Commencement Date : 31/08/15
Penetrometer (SPT)	16	Undisturbed (UDS)	2	Completion Date : 03/09/15
Cone (Pc)		Penetrometer (SPT)	16	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	18	Level Of Ground : 143.679 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 1.7 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m									
Stiff, brownish grey, silty clay. Obs. roots & rusty spots.		2	4	5			9	DS-1	0.50
								SPT-1	1.00-1.45
1.80m								DS-2	1.75
Blackish grey, silty clay. Obs. calcareous nodules.								UDS-1	2.00-2.45
2.80m							50	DS-3	2.80
		11	22	28				SPT-2	3.00-3.45
Hard, brownish grey to yellowish grey, silty clay with traces of kankar. Obs. mica.		15	19	27			46	DS-4	3.80
								SPT-3	4.00-4.45
								DS-5	4.75
								UDS-2	5.00-5.13
5.70m							>100	DS-6	5.70
		35	50					SPT-4	6.00-6.23
Hard, brownish grey to yellowish grey, silty clay. Obs. rusty spots.			8.0	cm	Penth.		>100	DS-7	6.60
		34	52					SPT-5	7.00-7.24
			9.0	cm	Penth.		>100	DS-8	7.70
		54						SPT-6	8.00-8.14
8.25m			14.0	cm	Penth.		>100	SPT-7	8.25-8.33
		55						R1	8.25
Moderately weathred, brownish grey to yellowish grey, medium grained, highly fractured rock.			8.0	cm	Penth.				CR=42% RQD=NIL
								R2	9.00
									CR=46% RQD=NIL
								R3	9.75
									CR=50% RQD=NIL
10.50m								R4	10.50
							>100		CR=NIL RQD=NIL
		55						SPT-8	11.25-11.38
			13.0	cm	Penth.			R5	11.25
									CR=20% RQD=NIL
Completely to highly weathered, yellowish grey to brownish grey, medium grained rock fragment collected as sludge. Obs. mica.							>100	R6	12.00
		52						SPT-9	12.75-12.85
			10.0	cm	Penth.			R7	12.75
									CR=NIL RQD=NIL
								R8	13.50
									CR=25% RQD=NIL
								R9	14.25
							>100		CR=NIL RQD=NIL
15.00m		50						SPT-10	15.00-15.09
Completely to moderately weathered, blackish grey to brownish grey, medium grained, fractured rock. Obs. rusty spots.			9.0	cm	Penth.			R10	15.00
15.50m									CR=48% RQD=NIL

Job No : 3576

Created by : Chandrani

Created on : 16/09/2015

Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. 1

Co-ordinates E=262.000
N=(-)208.000

Field Test	Nos	Samples	Nos	Commencement Date : 31/08/15
Penetrometer (SPT)	16	Undisturbed (UDS)	2	Completion Date : 03/09/15
Cone (Pc)		Penetrometer (SPT)	16	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	18	Level Of Ground : 143.679 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 1.7 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
15.50m Completely to moderately weathered, blackish grey to brownish grey, medium grained, fractured rock. Obs. rusty spots.								R11	15.75
16.50m Highly weathered, brownish grey, medium grained, fractured sandstone. Obs. mica & rusty spots.		46	52					SPT-11	16.50-16.67
			2.0	cm	Penth.			R12	16.50
18.00m								R13	17.25
								R14	18.00
18.75m Completely weathered, yellowish grey to brownish grey, fine to medium grained rock fragments collected as sludge. Obs. mica.		52						SPT-12	18.75-18.87
			12.0	cm	Penth.			R15	18.75
		55						SPT-13	19.50-19.63
			13.0	cm	Penth.			R16	19.50
		52						SPT-14	20.25-20.38
			13.0	cm	Penth.			R17	20.25
		54						SPT-15	21.00-21.12
			12.0	cm	Penth.			R18	21.00
21.75m		55						SPT-16	21.75-21.88
			13.0	cm	Penth.			R19	21.75
								R20	22.50
								R21	23.25
								R22	24.00
								R23	24.75
								R24	25.50
26.25m								R25	26.25
								R26	27.00
								R27	27.75
								R28	28.25
								R29	29.00
30.00m									30.00

Job No : 3576

Created by : Chandrani

Created on : 25/09/2015

Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. 2

Co-ordinates E=260.000
N=(-)177.000

Field Test	Nos	Samples	Nos	Commencement Date : 03/09/15
Penetrometer (SPT)	12	Undisturbed (UDS)	2	Completion Date : 07/09/15
Cone (Pc)		Penetrometer (SPT)	12	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	13	Level Of Ground : 143.809 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 1.65 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m Stiff, blackish grey to brownish grey, silty clay with low % of sand mixture. Obs. rusty spots.								DS-1	0.50
		2	3	6			9	SPT-1	1.00-1.45
1.75m Hard, blackish grey to brownish grey, silty clay with low % of sand mixture. Obs. rusty spots.								DS-2	1.75
		8	14	22			36	UDS-1	2.00-2.45
								DS-3	2.80
3.75m Hard, brownish grey to yellowish grey, silty clay. Obs. kankars & steel grey patches.								SPT-2	3.00-3.45
								DS-4	3.75
								UDS-2	4.00-4.30
		16	28	31			59	DS-5	4.70
5.50m Hard, brownish grey to yellowish grey, silty clay. Obs. rusty spots.								SPT-3	5.00-5.45
								DS-6	5.75
		22	48	55			≥100	SPT-4	6.00-6.32
							2.0 cm Pentn.	DS-7	6.70
		47	52				≥100	SPT-5	7.00-7.17
							2.0 cm Pentn.	DS-8	7.60
							≥100	SPT-6	8.00-8.22
		34	53				7.0 cm Pentn.	DS-9	8.70
							≥100	SPT-7	9.00-9.12
		55					12.0 cm Pentn.	DS-10	9.60
							≥100	SPT-8	10.00-10.10
10.25m Moderately weathered, brownish grey to yellowish grey, medium grained rock. Obs. rusty spots.		54					10.0 cm Pentn.	SPT-9	10.25-10.34
		55					9.0 cm Pentn.	R1	10.25-10.34
									CR=46% RQD=13%
								R2	11.00
									CR=41% RQD=NIL
								R3	11.75
									CR=64% RQD=NIL
								R4	12.50
									CR=41% RQD=NIL
								R5	13.25
									CR=53% RQD=NIL
								R6	14.00
									CR=52% RQD=NIL
								R7	14.75
									CR=47% RQD=NIL
15.50m									15.50

NX rotary drilling from
10.25m to 30.00m

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana

CETEST

Job No : 3576

Created by : Chandrani

Created on : 25/09/2015

Sheet No:

BORE LOG DATA SHEET**BORE HOLE NO. 2**Co-ordinates E=260.000
N=(-)177.000

Field Test	Nos	Samples	Nos	Commencement Date : 03/09/15
Penetrometer (SPT)	12	Undisturbed (UDS)	2	Completion Date : 07/09/15
Cone (Pc)		Penetrometer (SPT)	12	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	13	Level Of Ground : 143.809 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 1.65 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
15.50m									
Completely to highly weathered, yellowish grey to brownish grey, coarse grained, rock fragment collected as sludge. Obs. mica.								R8	CR=NIL RQD=NIL
		52						SPT-10	16.25-16.33
								R9	CR=NIL RQD=NIL
		54						SPT-11	17.00-17.10
								R10	CR=NIL RQD=NIL
18.75m								SPT-12	18.00-18.10
		55						R11	CR=23% RQD=NIL
								R12	CR=27% RQD=23%
								R13	CR=57% RQD=NIL
								R14	CR=63% RQD=17%
22.50m								R15	CR=61% RQD=56%
								R16	CR=63% RQD=55%
								R17	CR=51% RQD=NIL
								R18	CR=40% RQD=NIL
								R19	CR=45% RQD=14%
27.75m								R20	CR=51% RQD=15%
								R21	CR=47% RQD=19%
								R22	CR=40% RQD=13%
								R23	CR=59% RQD=NIL
								R24	CR=53% RQD=NIL
30.00m								R25	CR=77% RQD=75%
								R26	CR=56% RQD=45%
								DS-11	30.00

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana

CETEST

Job No : 3576

Created by : Chandrani

Created on : 23/09/2015

Sheet No:

BORE LOG DATA SHEET**BORE HOLE NO. 3**Co-ordinates E=260.000
N=(-)262.000

Field Test	Nos	Samples	Nos	Commencement Date : 07/09/15
Penetrometer (SPT)	9	Undisturbed (UDS)	1	Completion Date : 10/09/15
Cone (Pc)		Penetrometer (SPT)	9	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	9	Level Of Ground : 143.912 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 4.5 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m								DS-1	0.50
Stiff, brownish grey to blackish grey, silty clay.		3	4	6		10		SPT-1	1.00-1.45
								DS-2	1.75
								UDS-1	2.00-2.45
2.50m						56		DS-3	2.70
Hard, blackish grey, silty clay. Obs. sand from 3.70m to 4.30m & calcareous nodules.		11	23	33				SPT-2	3.00-3.45
						62		DS-4	3.70
4.30m		9	25	37				SPT-3	4.00-4.45
						>100		DS-5	4.70
		23	34	52				SPT-4	5.00-5.42
				12.0	cm	Pentn.		DS-6	5.70
						>100		SPT-5	6.00-6.38
		19	36	55				DS-7	6.50
				8.0	cm	Pentn.		SPT-6	7.00-7.13
						>100		DS-8	7.50
		50						SPT-7	8.00-8.09
				13.0	cm	Pentn.			
						>100		SPT-8	8.50-8.55
		50		9.0	cm	Pentn.		R1	8.50
8.50m						Refusal			CR=34% RQD=NIL
				5.0	cm	Pentn.		R2	9.25
									CR=41% RQD=NIL
								R3	10.00
									CR=50% RQD=NIL
								R4	10.75
									CR=49% RQD=18%
								R5	11.50
									CR=49% RQD=NIL
								R6	12.25
									CR=54% RQD=NIL
								R7	13.00
									CR=58% RQD=48%
								R8	13.75
									CR=36% RQD=NIL
								R9	14.50
									CR=44% RQD=NIL
									15.25
15.50m									

NX rotary drilling from
8.50m to 30.00m

Job No : 3576

Created by : Chandrani

Created on : 23/09/2015

Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. 3

Co-ordinates E=260.000
N=(-)262.000

Field Test	Nos	Samples	Nos	Commencement Date : 07/09/15
Penetrometer (SPT)	9	Undisturbed (UDS)	1	Completion Date : 10/09/15
Cone (Pc)		Penetrometer (SPT)	9	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	9	Level Of Ground : 143.912 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 4.5 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
15.50m Highly to moderately weathered, brownish grey, fine to medium grained, moderately fractured rock. Obs. sand stone pieces & mica.								R10	CR=45% RQD=20% 16.00
								R11	CR=38% RQD=NIL 16.75
								R12	CR=40% RQD=NIL 17.50
								R13	CR=36% RQD=NIL 18.25
18.50m Highly to moderately weathered, light brownish grey, medium to coarse grained, moderately fractured rock.								R14	CR=46% RQD=24% 19.00
								R15	CR=25% RQD=NIL 19.75
								R16	CR=28% RQD=NIL 20.50
20.50m Completely weathered, light brownish grey, medium to coarse grained, moderately fractured rock.								R17	CR=NIL RQD=NIL 21.25
21.25m								*SPT-9	21.25-21.27
								R18	CR=36% RQD=NIL 22.00
								R19	CR=37% RQD=21% 22.75
								R20	CR=34% RQD=NIL 23.50
								R21	CR=50% RQD=28% 24.25
24.25m Moderately weathered, light brownish grey, medium to coarse grained, moderately fractured rock.								R22	CR=58% RQD=55% 25.00
								R23	CR=51% RQD=40% 25.75
								R24	CR=41% RQD=25% 26.50
26.50m Moderately to slightly weathered, brownish grey to blackish grey, fractured rock.								R25	CR=52% RQD=NIL 27.25
								R26	CR=56% RQD=21% 28.00
								R27	CR=60% RQD=NIL 28.75
								R28	CR=58% RQD=48% 29.50
								R29	CR=80% RQD=36% 30.00
30.00m N.B. — '*' means sample could not be recovered.									

Job No : 3576

Created by : Chandrani

Created on : 23/09/2015

Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. 4

Co-ordinates E=223.000
N=(-)217.000

Field Test	Nos	Samples	Nos	Commencement Date : 08/09/15
Penetrometer (SPT)	12	Undisturbed (UDS)	2	Completion Date : 11/09/15
Cone (Pc)		Penetrometer (SPT)	12	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	13	Level Of Ground : 143.88 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 4.1 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m Stiff, brownish grey to light grey, blackish grey, silty clay. Obs. sand mixture.								DS-1	0.50
		3	3	6			9	SPT-1	1.00-1.45
1.80m Very stiff, whitish grey to brownish grey, silty clay. Obs. kankars.								DS-2	1.75
		8	11	12			23	UDS-1	2.00-2.45
								DS-3	2.80
								SPT-2	3.00-3.45
								DS-4	3.75
								UDS-2	4.00-4.30
4.70m Very dense, whitish grey to yellowish grey, silty sand with kankars. Obs. mica.								DS-5	4.70
		10	23	33			56	SPT-3	5.00-5.45
5.80m Hard, brownish grey to yellowish grey, silty clay. Obs. rusty spots.								DS-6	5.75
		28	50	0			>100	SPT-4	6.00-6.26
					11.0	cm	Pentn.	DS-7	6.50
		54					>100	SPT-5	7.00-7.12
					12.0	cm	Pentn.	SPT-6	7.25-7.35
7.25m Highly weathered, brownish grey to whitish grey, medium grained rock.		55					>100	R1	7.25
					10.0	cm	Pentn.		CR=48% RQD=NIL
								R2	8.00
									CR=33% RQD=NIL
								R3	8.75
									CR=40% RQD=NIL
9.50m Moderately weathered, whitish grey to yellowish grey, coarse grained rock.								R4	9.50
									CR=45% RQD=25%
10.25m Completely weathered, yellowish to whitish grey, medium to fine grained, fully decomposed rock fragment collected as sludge.								R5	10.25
								DS-8	CR=NIL RQD=NIL
		54					>100	SPT-7	11.00-11.10
					10.0	cm	Pentn.	R6	11.00
							>100	DS-9	CR=NIL RQD=NIL
		55					>100	SPT-8	11.75-11.87
					12.0	cm	Pentn.	R7	11.75
							>100	DS-10	CR=NIL RQD=NIL
		50					>100	SPT-9	12.50-12.62
					12.0	cm	Pentn.	R8	12.50
							>100	DS-11	CR=NIL RQD=NIL
		54					>100	SPT-10	13.25-13.33
					8.0	cm	Pentn.	R9	13.25
							>100	DS-12	CR=NIL RQD=NIL
		53					>100	SPT-11	14.00-14.07
					7.0	cm	Pentn.	R10	14.00
							>100	DS-13	CR=NIL RQD=NIL
14.75m Highly to moderately weathered, whitish grey to yellowish grey, coarse grained rock. Obs. mica & rusty spots.		55					>100	SPT-12	14.75-14.83
					8.0	cm	Pentn.	R11	14.75
									CR=33% RQD=NIL
									15.50

BORE LOG DATA SHEET

BORE HOLE NO. 4

Co-ordinates E=223.000
N=(-)217.000

Field Test	Nos	Samples	Nos	Commencement Date : 08/09/15
Penetrometer (SPT)	12	Undisturbed (UDS)	2	Completion Date : 11/09/15
Cone (Pc)		Penetrometer (SPT)	12	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	13	Level Of Ground : 143.88 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 4.1 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
15.50m								R12	CR=28% RQD=NIL
								R13	CR=59% RQD=37%
								R14	CR=40% RQD=20%
Highly to moderately weathered, whitish grey to yellowish grey, coarse grained rock. Obs. mica & rusty spots.								R15	CR=39% RQD=24%
								R16	CR=55% RQD=49%
								R17	CR=44% RQD=NIL
								R18	CR=41% RQD=NIL
20.75m								R19	CR=53% RQD=NIL
								R20	CR=51% RQD=NIL
								R21	CR=56% RQD=NIL
Moderately to slightly weathered, dark grey to yellowish grey, medium grained rock. Obs. rusty spots.								R22	CR=54% RQD=NIL
								R23	CR=62% RQD=NIL
								R24	CR=51% RQD=16%
								R25	CR=56% RQD=NIL
26.00m								R26	CR=45% RQD=NIL
								R27	CR=35% RQD=31%
Highly to moderately weathered, whitish grey to yellowish grey, medium to coarse grained rock. Obs. mica.								R28	CR=57% RQD=37%
								R29	CR=50% RQD=16%
								R30	CR=41% RQD=NIL
30.00m									

BORE HOLE NO. 5

Co-ordinates	E=223.000 N=(-)177.000
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DESCRIPTION	SYMBOL	N-VALUE	SAMPLES	
		EACH DIVN. = 15cm.	Ref. No	Depth (m)

BH-5/Sheet-1

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana

CETEST

Job No : 3576

Created by : Chandrani

Created on : 25/09/2015

Sheet No:

BORE LOG DATA SHEET**BORE HOLE NO. 5**Co-ordinates E=223.000
N=(-)177.000

Field Test	Nos	Samples	Nos	Commencement Date : 14/09/15
Penetrometer (SPT)	11	Undisturbed (UDS)	2	Completion Date : 16/09/15
Cone (Pc)		Penetrometer (SPT)	11	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	13	Level Of Ground : 144.49 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 2.8 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
15.50m		39	51	>100	7.0 cm	Pentn.		DS-11 SPT-9	15.50-15.72
Completely weathered, greyish brown, medium grained, rock fragment collected as sludge.				>100				R11 DS-12 SPT-10	CR=NIL RQD=NIL 16.25-16.38
17.00m		50		13.0 cm	Pentn.			R12 DS-13 SPT-11	CR=NIL RQD=NIL 17.00-17.12
		53		12.0 cm	Pentn.			R13	CR=24% RQD=NIL
								R14	CR=21% RQD=NIL
Highly weathered, greyish brown, medium grained, fractured rock.								R15	CR=25% RQD=NIL
								R16	CR=21% RQD=NIL
								R17	CR=23% RQD=NIL
20.75m								R18	CR=27% RQD=NIL
								R19	CR=32% RQD=NIL
								R20	CR=30% RQD=NIL
								R21	CR=31% RQD=NIL
Highly to moderately weathered, brownish grey to dark grey, highly fractured rock.								R22	CR=37% RQD=NIL
								R23	CR=40% RQD=20%
								R24	CR=44% RQD=21%
								R25	CR=30% RQD=21%
								R26	CR=41% RQD=NIL
27.50m								R27	CR=58% RQD=13%
								R28	CR=53% RQD=NIL
								R29	CR=71% RQD=21%
Moderately to slightly weathered, dark grey, ighly fractured rock.									
30.00m									

BORE LOG DATA SHEET

BORE HOLE NO. 6

Co-ordinates E=184.000
N=(-)248.000

Field Test	Nos	Samples	Nos	Commencement Date : 29/08/15
Penetrometer (SPT)	10	Undisturbed (UDS)	2	Completion Date : 03/09/15
Cone (Pc)		Penetrometer (SPT)	10	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	10	Level Of Ground : 144.727 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 5.8 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m								DS-1	0.50
Stiff to very stiff, brownish grey, silty clay with traces of sand mixture.		7	7	8		15		SPT-1	1.00-1.45
								DS-2	1.75
								UDS-1	2.00-2.45
		7	9	12		21		DS-3	2.80
3.70m								SPT-2	3.00-3.45
								DS-4	3.70
5.00m								UDS-2	4.00-4.30
								DS-5	4.80
Very dense, brownish grey to greyish brown, coarse grained, silty sand. Obs. mica.		13	28	50		>100		SPT-3	5.00-5.40
								DS-6	5.80
		50				>100		SPT-4	6.00-6.10
								DS-7	6.50
7.50m		42	50			>100		SPT-5	7.00-7.17
								DS-8	7.50
Very dense, yellowish brown to yellowish grey, coarse grained, yellowish grey, coarse grained, silty sand. Obs. mica & clay binder.		38	50			>100		SPT-6	8.00-8.20
								DS-9	8.65
9.00m		20	37	50		>100		SPT-7	9.00-9.32
								DS-10	9.60
Hard, brownish grey, silty clay with sand mixture. Obs. rusty spots.		21	58			>100		SPT-8	10.00-10.25
11.00m		54				>100		SPT-9	11.00-11.09
								R1	CR=28% RQD=NIL
		31	50			>100		SPT-10	11.75-12.02
								R2	CR=60% RQD=21%
Moderately to slightly weathered, blackish grey to greyish brown, highly fractured rock.								R3	CR=73% RQD=NIL
								R4	CR=72% RQD=NIL
								R5	CR=65% RQD=NIL
								R6	CR=63% RQD=NIL
15.50m									15.50

NX rotary drilling from
11.00m to 30.00m

BORE LOG DATA SHEET

BORE HOLE NO. 6

Co-ordinates E=184.000
N=(-)248.000

Field Test	Nos	Samples	Nos	Commencement Date : 29/08/15
Penetrometer (SPT)	10	Undisturbed (UDS)	2	Completion Date : 03/09/15
Cone (Pc)		Penetrometer (SPT)	10	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	10	Level Of Ground : 144.727 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 5.8 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
15.50m Slightly weathered, brownish grey to yellowish grey, coarse grained rock. Obs. mica.								R7	CR=64% RQD=23% 16.25
								R8	CR=68% RQD=37% 17.00
17.00m								R9	CR=46% RQD=44% 17.75
								R10	CR=28% RQD=NIL 18.50
								R11	CR=36% RQD=NIL 19.25
								R12	CR=41% RQD=NIL 20.00
								R13	CR=37% RQD=13% 20.75
								R14	CR=49% RQD=33% 21.50
								R15	CR=44% RQD=14% 22.25
Highly to moderately weathered, brownish grey to yellowish grey, coarse grained rock. Obs. mica.								R16	CR=40% RQD=NIL 23.00
								R17	CR=33% RQD=NIL 23.75
								R18	CR=60% RQD=41% 24.50
								R19	CR=41% RQD=14% 25.25
								R20	CR=51% RQD=21% 26.00
								R21	CR=47% RQD=16% 26.75
								R22	CR=45% RQD=13% 27.50
								R23	CR=44% RQD=NIL 28.25
28.80m								R24	CR=55% RQD=NIL 29.00
Moderately weathered, light grey to brownish grey, fractured rock.								R25	CR=50% RQD=35% 30.00
30.00m									

BORE LOG DATA SHEET

BORE HOLE NO. 7

Co-ordinates E=183.000
N=(-)217.000

Field Test	Nos	Samples	Nos	Commencement Date : 03/09/15
Penetrometer (SPT)	15	Undisturbed (UDS)	2	Completion Date : 07/09/15
Cone (Pc)		Penetrometer (SPT)	15	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	15	Level Of Ground : 144.12 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 4.2 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m								DS-1	0.50
Stiff, brownish grey, silty clay with traces of sand mixture.		3	4	6	10			SPT-1	1.00-1.45
								DS-2	1.70
								UDS-1	2.00-2.45
2.60m								DS-3	2.80
Dense, brownish grey to yellowish grey, silty sand. Obs. kankars.		9	17	24	41			SPT-2	3.00-3.45
								DS-4	3.75
								UDS-2	4.00-4.20
4.70m								DS-5	4.70
Very dense, whitish grey to yellowish grey, silty sand.		19	42	50	>100			SPT-3	5.00-5.39
					9.0 cm Pentn.			DS-6	5.80
		31	39	52	>100			SPT-4	6.00-6.42
					12.0 cm Pentn.			DS-7	6.75
		50			>100			SPT-5	7.00-7.09
7.50m					9.0 cm Pentn.			DS-8	7.50
		17	52		>100			SPT-6	8.00-8.20
					5.0 cm Pentn.			DS-9	8.50
		28	50		>100			SPT-7	9.00-9.22
Hard, brownish grey, silty clay. Obs. sand mixture & kankars.					7.0 cm Pentn.			DS-10	9.50
		30	51		>100			SPT-8	10.00-10.28
					13.0 cm Pentn.			DS-11	11.00
		55			>100			SPT-9	11.50-11.62
12.00m		51			>100			SPT-10	12.00-12.08
					8.0 cm Pentn.			R1	12.00
									CR=39% RQD=NIL
								R2	12.75
									CR=33% RQD=NIL
								R3	13.50
									CR=44% RQD=NIL
								R4	14.25
									CR=56% RQD=NIL
								R5	15.00
									CR=46% RQD=16%
15.50m									
Highly to moderately weathered, blackish grey to brownish grey, highly fractured rock.		NX rotary drilling from 12.00m to 30.00m							

BORE LOG DATA SHEET

BORE HOLE NO. 7

Co-ordinates E=183.000
N=(-)217.000

Field Test	Nos	Samples	Nos	Commencement Date : 03/09/15
Penetrometer (SPT)	15	Undisturbed (UDS)	2	Completion Date : 07/09/15
Cone (Pc)		Penetrometer (SPT)	15	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	15	Level Of Ground : 144.12 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 4.2 m.

DESCRIPTION	SYMBOL	N-VALUE					SAMPLES	
		EACH DIVN. = 15cm.					Ref. No	Depth (m)
15.50m Highly to moderately weathered, blackish grey to brownish grey, highly fractured rock.							R6	15.75
							R7	16.50
17.25m Completely weathered, greyish brown, coarse grained rock fragment collected as sludge.							R8	17.25
							DS-12	18.00
							*SPT-11	18.00-18.04 18.00
							R9	18.75
							DS-13	18.75-18.78 18.75
							*SPT-12	18.75-18.78 18.75
							R10	19.50
							DS-14	19.50-19.54 19.50
							*SPT-13	19.50-19.54 19.50
							R11	20.25
							DS-15	20.25-20.28 20.25
							*SPT-14	20.25-20.28 20.25
20.25m Moderately weathered, brownish grey to greyish brown, medium to coarse grained, fractured rock. Obs. mica.							R12	21.00
							*SPT-15	21.00-21.02 21.00
							R13	21.75
							R14	22.50
							R15	23.25
							R16	24.00
							R17	24.50
							R18	25.50
							R19	26.25
							R20	27.00
							R21	27.75
							R22	28.50
							R23	29.25
							R24	30.00
28.50m Moderately weathered, brownish grey to greyish brown, medium to coarse grained, fractured rock. Obs. mica.								
30.00m N.B. - '*' means sample could not be recovered.								

Job No : 3576

Created by : Chandrani

Created on : 23/09/2015

Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. 8

Co-ordinates E=183.000
N=(-)177.000

Field Test	Nos	Samples	Nos	Commencement Date : 11/09/15
Penetrometer (SPT)	13	Undisturbed (UDS)	2	Completion Date : 14/09/15
Cone (Pc)		Penetrometer (SPT)	13	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	13	Level Of Ground : 144.032 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 2.2 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m Stiff, light blackish grey to brownish grey, silty clay with sand mixture. Obs. rusty spots.		3	4	6	10			DS-1	0.50
								SPT-1	1.00-1.45
								DS-2	1.75
								UDS-1	2.00-2.45
2.50m Dense, whitish grey to brownish grey, silty sand. Obs. mica & kankars.		17	29	18	47			DS-3	2.80
								SPT-2	3.00-3.45
								DS-4	3.75
								*UDS-2	4.00-4.07
4.50m Very dense, whitish grey to brownish grey, silty sand. Obs. mica & kankars.		55			≥100	8.0 cm Pentn.		SPT-3	4.60-4.68
		54			Refusal			DS-5	4.85
5.20m Very dense, brownish grey, silty sand with traces of mica. Obs. clay binder.					7.0 cm Pentn.			*SPT-4	5.00-5.07
					≥100			DS-6	5.60
		53			12.0 cm Pentn.			SPT-5	6.00-6.12
					≥100			DS-7	6.50
7.20m Hard, brownish grey, silty clay. Obs. calcareous nodules.		50			10.0 cm Pentn.			SPT-6	7.00-7.10
					≥100			DS-8	7.50
		50			10.0 cm Pentn.			SPT-7	8.00-8.10
					≥100			DS-9	8.50
9.25m Highly to moderately weathered, brownish grey to greyish brown, fine grained, fractured rock.		52			9.0 cm Pentn.			SPT-8	9.00-9.09
		52			Refusal			*SPT-9	9.25-9.28 9.25
					3.0 cm Pentn.			R1	CR=37% RQD=NIL
								R2	CR=41% RQD=NIL
								R3	CR=52% RQD=NIL
								R4	CR=48% RQD=28%
								R5	CR=41% RQD=NIL
								R6	CR=44% RQD=NIL
								R7	CR=38% RQD=NIL
								R8	CR=45% RQD=NIL
15.50m									15.25

NX rotary drilling from
9.25m to 30.00m

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana

CETEST

Job No : 3576

Created by : Chandrani

Created on : 23/09/2015

Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. 8

Co-ordinates E=183.000
N=(-)177.000

Field Test	Nos	Samples	Nos	Commencement Date : 11/09/15
Penetrometer (SPT)	13	Undisturbed (UDS)	2	Completion Date : 14/09/15
Cone (Pc)		Penetrometer (SPT)	13	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	13	Level Of Ground : 144.032 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 2.2 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
15.50m Highly to moderately weathered, brownish grey to greyish brown, fine grained, fractured rock.								R9	CR=44% RQD=NIL 16.00
								R10	CR=40% RQD=NIL 16.75
								R11	CR=40% RQD=32% 17.50
17.50m								R12	CR=32% RQD=NIL 18.25
								R13	CR=37% RQD=NIL 19.00
								R14	CR=37% RQD=14% 19.75
								R15	CR=33% RQD=NIL 20.50
								R16	CR=29% RQD=NIL 21.25
Highly weathered, brownish grey, medium to coarse grained, partily frctured rock.								R17	CR=25% RQD=NIL 22.00
								R18	CR=25% RQD=NIL 22.75
								R19	CR=34% RQD=20% 23.50
								R20	CR=37% RQD=NIL 24.25
								R21	CR=26% RQD=NIL 25.00
								R22	CR=29% RQD=NIL 25.75
25.75m								R23	CR=NIL RQD=NIL 26.50
Completely weathered, yellowish grey to whitish grey, medium to fine grained, fully decomposed rock, fragment collect as sludge. Obs. mica.								DS-10 *SPT-10	26.53
								R24	CR=NIL RQD=NIL 27.25
								DS-11 *SPT-11	27.28
								R25	CR=NIL RQD=NIL 28.00
								DS-12 *SPT-12	28.02
								R26	CR=NIL RQD=NIL 28.75
28.75m								DS-13 *SPT-13	28.78
Moderately weathered, yellowish grey, medium graind rock.								R27	CR=42% RQD=13% 29.50
								R28	CR=40% RQD=13% 30.00
30.00m									
N.B. - '*' means sample could not be recovered.									

Job No : 3576

Created by : Chandrani

Created on : 23/09/2015

Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. 9

Co-ordinates E=143.000
N=(-)217.000

Field Test	Nos	Samples	Nos	Commencement Date : 12/09/15
Penetrometer (SPT)	13	Undisturbed (UDS)	2	Completion Date : 14/09/15
Cone (Pc)		Penetrometer (SPT)	13	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	10	Level Of Ground : 143.066 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 1.7 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m								DS-1	0.50
Stiff, blackish grey to brownish grey, silty clay. Obs. low % of sand mixture.		2	4	6		10		SPT-1	1.00-1.45
1.90m								DS-2	1.75
Yellowish grey to brownish grey, silty clay with sand mixture. Obs. rusty spots.						36		UDS-1	2.00-2.45
3.00m		9	15	21				DS-3	2.80
								SPT-2	3.00-3.45
Hard, yellowish grey to deep grey, silty clay with decomposed rock.								DS-4	3.75
								UDS-2	4.00-4.30
								DS-5	4.70
		25	45	50				SPT-3	5.00-5.40
								DS-6	5.75
		18	55					SPT-4	6.00-6.17
6.30m								DS-7	6.60
								SPT-5	7.00-7.24
Very dense, yellowish grey to whitish grey, silty sand. Obs. mica.		38	52					DS-8	7.70
								SPT-6	8.00-8.09
		52						DS-9	8.50
9.00m		55						SPT-7	9.00-9.08
								R1	CR=28% RQD=NIL
								R2	CR=35% RQD=16%
								R3	CR=43% RQD=36%
								R4	CR=45% RQD=NIL
								R5	CR=47% RQD=33%
								R6	CR=40% RQD=NIL
								R7	CR=45% RQD=32%
								R8	CR=30% RQD=NIL
14.25m									14.25
Highly to moderately weathered, pinkish grey to yellowish grey, medium grained rock. Obs. mica.									15.00
15.50m									

BORE LOG DATA SHEET

BORE HOLE NO. 9

Co-ordinates E=143.000
N=(-)217.000

Field Test	Nos	Samples	Nos	Commencement Date : 12/09/15
Penetrometer (SPT)	13	Undisturbed (UDS)	2	Completion Date : 14/09/15
Cone (Pc)		Penetrometer (SPT)	13	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	10	Level Of Ground : 143.066 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 1.7 m.

DESCRIPTION	SYMBOL	N-VALUE					SAMPLES	
		EACH DIVN. = 15cm.					Ref. No	Depth (m)
15.50m Highly to moderately weathered, pinkish grey to yellowish grey, medium grained rock. Obs. mica.							R9	CR=32% RQD=13% 15.75
							R10	CR=47% RQD=44% 16.50
17.25m Highly weathered, brownish grey to greyish brown, medium grained rock. Obs. rusty spots.							R11	CR=32% RQD=13% 17.25
							R12	CR=36% RQD=NIL 18.00
							R13	CR=30% RQD=NIL 18.75
							R14	CR=32% RQD=NIL 19.50
19.50m Completely weathered, yellowish grey to whitish grey, medium to fine grained, fully decomposed rock, fragment collected as sludge.		55	>100				R15	CR=NIL RQD=NIL 20.25
		52	8.0 cm Pentn. Refusal				SPT-8	20.25-20.3320.25
							R16	CR=NIL RQD=NIL 21.00
							*SPT-9	21.00-21.0721.00
21.75m Completely weathered, yellowish grey to whitish grey, medium to coarse fully decomposed rock.		54	7.0 cm Pentn. Refusal				R17	CR=NIL RQD=NIL 21.75
22.50m		52	9.0 cm Pentn. Refusal				SPT-10	21.75-21.8421.75
							R18	CR=NIL RQD=NIL 22.50
							*SPT-11	22.50-22.5622.50
			6.0 cm Pentn.				R19	CR=32% RQD=NIL 23.25
24.75m Highly weathered, yellowish grey to whitish grey, medium to coarse grained rock.							R20	CR=31% RQD=17% 24.00
							R21	CR=27% RQD=20% 24.75
25.50m Completely weathered, yellowish grey to whitish grey, medium to coarse fully decomposed rock.		54	Refusal				R22	CR=NIL RQD=NIL 25.50
							*SPT-12	25.50-25.5325.50
			3.0 cm Pentn.				R23	CR=44% RQD=25% 26.25
							R24	CR=35% RQD=19% 27.00
28.50m Highly to moderately weathered, yellowish grey to whitish grey, medium to coarse grained rock.							R25	CR=32% RQD=16% 27.75
							R26	CR=40% RQD=32% 28.50
30.00m Completely weathered, yellowish grey to whitish grey, medium to fine grained, rock fragment collected as sludge. Obs. mica.		52	Refusal				R27	CR=NIL RQD=NIL 29.25
							*SPT-13	29.25-29.2829.25
			3.0 cm Pentn.				R28	CR=NIL RQD=NIL 30.00

N.B. - '*' means sample could not be recovered.

Job No : 3576

Created by : Chandrani

Created on : 25/09/2015

Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. 10

Co-ordinates E=143.000
N=(-)177.000

Field Test	Nos	Samples	Nos	Commencement Date : 14/09/15
Penetrometer (SPT)	11	Undisturbed (UDS)	2	Completion Date : 16/09/15
Cone (Pc)		Penetrometer (SPT)	11	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	12	Level Of Ground : 144.44 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 3.05 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m Very stiff, brownish grey to blackish grey, silty clay. Obs. calcareous nodules & sand mixture.		6	12	14	26			DS-1	0.50
								SPT-1	1.00-1.45
1.75m Very stiff, brownish grey to yellowish grey, silty clay. Obs. calcareous nodules.		6	11	18	29			DS-2	1.75
								UDS-1	2.00-2.45
								DS-3	2.70
4.30m Hard, brownish grey to yellowish grey, silty clay with decomposed rock.		14	33	47	80			UDS-2	4.00-4.30
								DS-5	4.70
								SPT-3	5.00-5.45
								DS-6	5.75
								SPT-4	6.00-6.08
6.50m Very dense, yellowish grey to whitish grey, silty sand. Obs. gravels.		52			8.0 cm Pentn.			DS-7	6.50
		54			12.0 cm Pentn.			SPT-5	7.00-7.12
								DS-8	7.60
		50			10.0 cm Pentn.			SPT-6	8.00-8.10
								DS-9	8.65
		52			7.0 cm Pentn.			*SPT-7	9.00-9.07
								DS-10	9.60
		50			3.0 cm Pentn.			*SPT-8	10.00-10.03
								DS-11	10.50
		50			2.0 cm Pentn.			*SPT-9	11.00-11.02
								DS-12	11.50
		51			3.0 cm Pentn.			*SPT-10	12.00-12.03
12.25m Highly to moderately weathered, brownish grey to yellowish grey, medium to coarse grained rock. Obs. mica.		52			2.0 cm Pentn.			*SPT-11	12.25-12.27
								R1	CR=37% RQD=19%
								R2	CR=35% RQD=19%
								R3	CR=34% RQD=NIL
								R4	CR=32% RQD=NIL
15.50m									15.25

BORE LOG DATA SHEET

BORE HOLE NO. 10

Co-ordinates E=143.000
N=(-)177.000

Field Test	Nos	Samples	Nos	Commencement Date : 14/09/15
Penetrometer (SPT)	11	Undisturbed (UDS)	2	Completion Date : 16/09/15
Cone (Pc)		Penetrometer (SPT)	11	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	12	Level Of Ground : 144.44 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 3.05 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
15.50m Highly to moderately weathered, brownish grey to yellowish grey, medium to coarse grained rock. Obs. mica.								R5	CR=30% RQD=NIL 16.00
								R6	CR=44% RQD=13% 16.75
								R7	CR=43% RQD=17% 17.50
17.50m Moderately weathered, dark grey to yellowish grey, medium grained rock.								R8	CR=41% RQD=NIL 18.25
								R9	CR=43% RQD=NIL 19.00
19.00m Highly weathered, yellowish grey to whitish grey, medium to coarse grained rock.								R10	CR=27% RQD=NIL 19.75
								R11	CR=25% RQD=NIL 20.50
								R12	CR=24% RQD=NIL 21.25
								R13	CR=32% RQD=NIL 22.00
								R14	CR=37% RQD=NIL 22.75
22.75m Highly to moderately weathered, yellowish grey to whitish grey, medium to fine grained rock.								R15	CR=43% RQD=NIL 23.50
								R16	CR=35% RQD=NIL 24.25
								R17	CR=28% RQD=NIL 25.00
								R18	CR=37% RQD=32% 25.75
								R19	CR=43% RQD=33% 26.50
								R20	CR=28% RQD=17% 27.25
								R21	CR=39% RQD=16% 28.00
								R22	CR=31% RQD=NIL 28.75
28.75m Moderately weathered, dark grey to yellowish grey, medium grained rock.								R23	CR=40% RQD=NIL 29.50
								R24	CR=42% RQD=NIL 30.00
30.00m N.B. - '*' means sample could not be recovered.									

Job No : 3576

Created by : Chandrani

Created on : 23/09/2015

Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. 11

Co-ordinates E=97.000
N=(-)217.000

Field Test	Nos	Samples	Nos	Commencement Date : 03/09/15
Penetrometer (SPT)	20	Undisturbed (UDS)	2	Completion Date : 10/09/15
Cone (Pc)		Penetrometer (SPT)	20	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	23	Level Of Ground : 142.867 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 3.8 m.


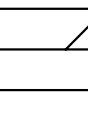



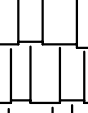
DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m Medium, blackish grey, silty clay. Obs. kankars.								DS-1	0.50
		2	2	4				SPT-1	1.00-1.45
1.50m Stiff, blackish grey, silty clay. Obs. kankars.								UDS-1	2.00-2.45
		4	4	9				DS-2	2.75
								SPT-2	3.00-3.45
3.60m Hard, yellowish brown, silty clay with sand mixture.								DS-3	3.75
								UDS-2	4.00-4.35
								DS-4	4.75
5.50m		50						SPT-3	5.00-5.10
								DS-5	5.75
		51						SPT-4	6.00-6.11
								DS-6	6.75
		32	50					SPT-5	7.00-7.25
								DS-7	7.75
		34	50					SPT-6	8.00-8.26
								DS-8	8.75
		50						SPT-7	9.00-9.12
								DS-9	9.80
		51						SPT-8	10.00-10.08
								DS-10	10.60
11.00m		50						SPT-9	11.00-11.09
								R1 DS-11	CR=NIL RQD=NIL
		56						SPT-10	11.75-11.82
								R2 DS-12	CR=NIL RQD=NIL
		61						SPT-11	12.50-12.60
								R3 DS-13	CR=NIL RQD=NIL
		52						SPT-12	13.25-13.32
								R4 DS-14	CR=NIL RQD=NIL
		58						SPT-13	14.00-14.09
								R5 DS-15	CR=NIL RQD=NIL
		54						SPT-14	14.75-14.84
								R6	CR=NIL RQD=NIL
15.50m									15.50

BORE LOG DATA SHEET

BORE HOLE NO. 11

Co-ordinates E=97.000
N=(-)217.000

Field Test	Nos	Samples	Nos	Commencement Date : 03/09/15
Penetrometer (SPT)	20	Undisturbed (UDS)	2	Completion Date : 10/09/15
Cone (Pc)		Penetrometer (SPT)	20	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	23	Level Of Ground : 142.867 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 3.8 m.

DESCRIPTION	SYMBOL	N-VALUE			SAMPLES	
		EACH DIVN. = 15cm.			Ref. No	Depth (m)
15.50m Completely weathered, light greyish brown, fully decomposed rock fragment collected as sludge.		52	>100	Pentn.	*SPT-15/DS-16	15.50-15.56
16.25m		57	>100	Pentn.	R7 DS-17	CR=NIL RQD=NIL
		51	>100	Pentn.	*SPT-16	16.25-16.33
18.58m Completley weathered, grey to brownish grey, fully decomposed rock.		51	>100	Pentn.	R8	CR=08% RQD=NIL
		51	>100	Pentn.	SPT-17	17.00-17.09
		51	>100	Pentn.	R9	CR=NIL RQD=NIL
		51	>100	Pentn.	DS-18	17.75
		51	>100	Pentn.	R10	CR=NIL RQD=NIL
		51	>100	Pentn.	SPT-18	18.50-18.58
		51	>100	Pentn.	R11	CR=NIL RQD=NIL
		51	>100	Pentn.	DS-20	19.25
		52	>100	Pentn.	R12	CR=NIL RQD=NIL
		52	>100	Pentn.	DS-21	20.00-20.13
		52	>100	Pentn.	SPT-19	20.00
		52	>100	Pentn.	R13	CR=NIL RQD=NIL
		53	>100	Pentn.	R14	20.75
		53	>100	Pentn.	DS-22	CR=NIL RQD=NIL
		53	>100	Pentn.	SPT-20	21.50-21.59
		53	>100	Pentn.	R15	22.25
		53	>100	Pentn.	R16	CR=28% RQD=NIL
		53	>100	Pentn.	R17	23.00
		53	>100	Pentn.	R18	CR=25% RQD=NIL
		53	>100	Pentn.	R19	23.75
		53	>100	Pentn.	R20	CR=30% RQD=12%
		53	>100	Pentn.	R21	24.50
		53	>100	Pentn.	R22	CR=33% RQD=11%
		53	>100	Pentn.	R23	25.25
		53	>100	Pentn.	R24	CR=28% RQD=NIL
		53	>100	Pentn.	R25	26.00
		53	>100	Pentn.	R26	CR=37% RQD=NIL
		53	>100	Pentn.	R27	26.75
		53	>100	Pentn.	R28	CR=35% RQD=NIL
		53	>100	Pentn.	R29	27.50
		53	>100	Pentn.	R30	CR=36% RQD=NIL
		53	>100	Pentn.	R31	28.25
		53	>100	Pentn.	R32	CR=44% RQD=NIL
		53	>100	Pentn.	R33	29.00
		53	>100	Pentn.	R34	CR=53% RQD=NIL
		53	>100	Pentn.	R35	30.00
22.25m Highly weathered, brownish grey to greyish brown, highly fractured rock.						
27.50m Highly weathered, brownish grey, coarse grained, fractured rock.						
28.25m Moderately weathered, dark grey, rock.						
30.00m N.B. - '*' means sample could not be recovered.						

NX rotary drilling from
11.00m to 30.00m

Job No : 3576

Created by : Chandrani

Created on : 30/09/2015

Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. 12

Co-ordinates E=97.000
N=(-)177.000

Field Test	Nos	Samples	Nos	Commencement Date : 11/09/15
Penetrometer (SPT)	15	Undisturbed (UDS)	2	Completion Date : 15/09/15
Cone (Pc)		Penetrometer (SPT)	15	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	27	Level Of Ground : 143.093 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 2.1 m.

DESCRIPTION	SYMBOL	N-VALUE					SAMPLES	
		EACH DIVN. = 15cm.					Ref. No	Depth (m)
0.00m							DS-1	0.50
Stiff, deep grey to dark grey, silty clay. Obs. kankars & traces of sand mixture, calcareous nodules.		6	7	7	14		SPT-1	1.00-1.45
							DS-2	1.70
							UDS-1	2.00-2.45
							DS-3	2.75
3.00m		4	5	5	10		SPT-2	3.00-3.45
Stiff, brownish grey, silty clay with sand mixture. Obs. kankar & calcareous nodules.							DS-4	3.75
							UDS-2	4.00-4.45
3.80m		42	53		>100		DS-5	4.75
Hard, yellowish grey, silty clay with sand mixture.							SPT-3	5.00-5.28
							DS-6	5.70
5.50m		39	51		>100		SPT-4	6.00-6.25
Very dense, greyish brown, silty coarse grained sand. Obs. kankars.							DS-7	6.75
							SPT-5	7.00-7.26
							DS-8	7.80
							SPT-6	8.00-8.14
8.00m		52			14.0	cm Pentn.	R1	CR=23% RQD=NIL
Highly weathered, brownish grey to greyish brown, highly fractured rock.							R2	CR=21% RQD=NIL
							R3	CR=23% RQD=NIL
							R4	CR=NIL RQD=NIL
							DS-9	CR=NIL RQD=NIL
10.25m							R5	CR=NIL RQD=NIL
Completely weathered, greyish brown, medium grained, decomposed rock, fragment collected as sludge.							DS-10	CR=NIL RQD=NIL
							SPT-7	CR=NIL RQD=NIL
							DS-11	CR=NIL RQD=NIL
							R6	CR=NIL RQD=NIL
13.25m		51			10.0	cm Pentn.	R7	CR=NIL RQD=NIL
Completely weathered, greyish brown to brownish grey, medium grained, rock fragment collected as sludge.							DS-12	CR=NIL RQD=NIL
							SPT-8	CR=20% RQD=NIL
							R8	CR=NIL RQD=NIL
							R9	CR=NIL RQD=NIL
15.50m							R10	CR=NIL RQD=NIL
							DS-14	

BORE LOG DATA SHEET

BORE HOLE NO. 12

Co-ordinates E=97.000
N=(-)177.000

Field Test	Nos	Samples	Nos	Commencement Date : 11/09/15
Penetrometer (SPT)	15	Undisturbed (UDS)	2	Completion Date : 15/09/15
Cone (Pc)		Penetrometer (SPT)	15	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	27	Level Of Ground : 143.093 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 2.1 m.

DESCRIPTION	SYMBOL	N-VALUE				SAMPLES	
		EACH DIVN. = 15cm.				Ref. No	Depth (m)
15.50m		53	>100	13.0 cm Pentn.		SPT-9 R11 DS-15 R12 DS-16 SPT-10 R13 DS-17 R14 DS-18 SPT-11 R15 DS-19 R16 DS-20 SPT-12 R17 DS-21 R18 DS-22 SPT-13 R19 DS-23 R20 R21 R22 R23 R24 R25 DS-24 R26 DS-25 SPT-14 R27 DS-26 R28 DS-27 SPT-15 R29	15.50-15.63 CR=NIL RQD=NIL 16.25 17.00-17.14 CR=NIL RQD=NIL 17.75 18.50-18.61 CR=NIL RQD=NIL 19.25 20.00-20.10 CR=NIL RQD=NIL 20.75 21.50-21.70 CR=NIL RQD=NIL 22.25 23.00 23.75 24.50 25.25 26.00 26.75 27.50-27.61 CR=NIL RQD=NIL 28.25 29.00-29.13 CR=26% RQD=NIL 30.00
Completely weathered, greyish brown to brownish grey, medium grained, rock fragment collected as sludge.		55	>100	14.0 cm Pentn.			
22.25m		52	>100	11.0 cm Pentn.			
Highly weathered, deep grey, highly fractured rock.		52	>100	10.0 cm Pentn.			
24.50m		38	>100	5.0 cm Pentn.			
Completely weathered, brownish grey, fractured rock.		52	>100	11.0 cm Pentn.			
26.00m		54	>100	13.0 cm Pentn.			
Completely weathered, brownish grey, medium grained, rock fragment collected as sludge.							
29.00m							
Highly weathered, grey, coarse grained, highly fractured rock.							
30.00m							

BORE LOG DATA SHEET

BORE HOLE NO. 13

Co-ordinates E=57.000
N=(-)262.000

Field Test	Nos	Samples	Nos	Commencement Date : 06/10/15
Penetrometer (SPT)	6	Undisturbed (UDS)	2	Completion Date : 08/10/15
Cone (Pc)		Penetrometer (SPT)	6	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	8	Level Of Ground : 143.053 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 3.4 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m Very stiff, deep grey, silty clay. Obs. sand mixture & calcareous nodules.		6	9	13	22			DS-1	0.50
1.60m		8	12	15	27			SPT-1	1.00-1.45
Medium dense, greyish yellow, clayey silty sand.								DS-2	1.60
4.70m		13	25	32	57			*UDS-1	2.00-2.45
Very dense, greyish yellow, silty sand.								DS-3	2.60
8.00m		38	50		>100	7.0 cm Pentn.		SPT-2	3.00-3.45
Moderately weathered, greyish yellow, fine to medium grained, highly fractured rock.								DS-4	3.60
9.50m		55			>100	12.0 cm Pentn.		*UDS-2	4.00-4.45
Highly to moderately weathered, greyish yellow, fine to medium grained, highly fractured rock.								DS-5	4.70
11.75m		52			>100	8.0 cm Pentn.		SPT-3	5.00-5.45
Moderately weathered, deep grey, fine grained, highly fractured rock.								DS-6	5.80
14.00m								SPT-4	6.00-6.22
Highly to moderately weathered, deep grey, fine grained, highly fractured rock.								DS-7	6.50
15.50m								SPT-5	7.00-7.12
								DS-8	7.70
								SPT-6	8.00-8.08
								R1	8.00 CR=52% RQD=NIL
								R2	8.75 CR=56% RQD=32%
								R3	9.50 CR=28% RQD=NIL
								R4	10.25 CR=28% RQD=NIL
								R5	11.00 CR=44% RQD=NIL
								R6	11.75 CR=56% RQD=NIL
								R7	12.50 CR=56% RQD=NIL
								R8	13.25 CR=60% RQD=NIL
								R9	14.00 CR=44% RQD=NIL
								R10	14.75 CR=28% RQD=NIL
									15.50

BORE LOG DATA SHEET

BORE HOLE NO. 13

Co-ordinates E=57.000
N=(-)262.000

Field Test	Nos	Samples	Nos	Commencement Date : 06/10/15
Penetrometer (SPT)	6	Undisturbed (UDS)	2	Completion Date : 08/10/15
Cone (Pc)		Penetrometer (SPT)	6	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	8	Level Of Ground : 143.053 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 3.4 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
Highly to moderately weathered, deep grey, fine grained, highly fractured rock. 15.50m								R11	CR=32% RQD=NIL
									16.25
Slightly weathered, deep grey, fine grained, highly fractured rock. 16.25m								R12	CR=64% RQD=NIL
									17.00
								R13	CR=52% RQD=NIL
									17.75
Moderately weathered, greyish yellow, fine grained, highly fractured rock. 17.00m								R14	CR=44% RQD=NIL
									18.50
								R15	CR=36% RQD=NIL
									19.25
								R16	CR=32% RQD=NIL
									20.00
								R17	CR=33% RQD=NIL
									20.75
								R18	CR=37% RQD=NIL
									21.50
								R19	CR=48% RQD=NIL
									22.25
								R20	CR=45% RQD=NIL
									23.00
								R21	CR=44% RQD=NIL
									23.75
								R22	CR=56% RQD=NIL
									24.50
								R23	CR=52% RQD=NIL
									25.25
								R24	CR=56% RQD=NIL
									26.00
								R25	CR=44% RQD=NIL
									26.75
								R26	CR=48% RQD=NIL
									27.50
								R27	CR=36% RQD=NIL
									28.25
								R28	CR=48% RQD=NIL
									29.00
								R29	CR=40% RQD=NIL
									29.75
								R30	CR=48% RQD=NIL
									30.00

N.B. — '*' means sample could not be recovered.

Job No : 3576

Created by : Chandrani

Created on : 08/10/2015

Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. 14

Co-ordinates E=57.000
N=(-)217.000

Field Test	Nos	Samples	Nos	Commencement Date : 15/09/15
Penetrometer (SPT)	8	Undisturbed (UDS)	1	Completion Date : 26/09/15
Cone (Pc)		Penetrometer (SPT)	8	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	9	Level Of Ground : 142.551 m.
		Water Sample (WS)	1	Water Struck At :
				Standing Water Level : 3.4 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m								DS-1	0.50
Stiff, brownish grey, silty clay with kankars & sand mixture.		5	6	7	13			SPT-1	1.00-1.45
								DS-2	1.75
								UDS-1	2.00-2.45
								DS-3	2.70
3.00m		12	19	28	47			SPT-2	3.00-3.45
Dense, brownish yellow, silty sand with steel grey patches.								WS-1	3.40
								DS-4	3.75
4.80m		13	18	30	48			SPT-3	4.00-4.45
Very dense, brownish yellow, silty sand with steel grey patches.								DS-5	4.80
		4	15		>100			SPT-4	5.00-5.29
6.00m		5	3	50	>100			DS-6	5.75
Very dense, yellowish brown, silty sand								SPT-5	6.00-6.25
								DS-7	6.75
		5	1	50	>100			SPT-6	7.00-7.21
								DS-8	7.75
9.00m		6	1	52	>100			SPT-7	8.00-8.17
Highly to moderately weathered, brownish yellow, medium to fine grained, highly fractured rock.								DS-9	8.80
								SPT-8	9.00-9.15
								R1	CR=36% RQD=NIL
								R2	CR=32% RQD=NIL
								R3	CR=32% RQD=NIL
								R4	CR=42% RQD=NIL
								R5	CR=36% RQD=NIL
								R6	CR=62% RQD=29%
								R7	CR=72% RQD=48%
12.75m								R8	CR=88% RQD=18%
Slightly weathered to fresh, yellowish grey, fine grained, moderately fractured rock.								R9	CR=60% RQD=55%
15.00m									
Moderately to slightly weathered, light yellow, fine grained, highly to moderately fractured rock.									
15.50m									

NX rotary drilling from 9.00m to 30.00m

BORE LOG DATA SHEET

BORE HOLE NO. 14

Co-ordinates E=57.000
N=(-)217.000

Field Test	Nos	Samples	Nos	Commencement Date : 15/09/15
Penetrometer (SPT)	8	Undisturbed (UDS)	1	Completion Date : 26/09/15
Cone (Pc)		Penetrometer (SPT)	8	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	9	Level Of Ground : 142.551 m.
		Water Sample (WS)	1	Water Struck At : Standing Water Level : 3.4 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
15.50m									15.75
Moderately to slightly weathered, light yellow, fine grained, highly to moderately fractured rock.								R10	CR=43% RQD=24%
								R11	CR=48% RQD=NIL
								R12	CR=57% RQD=14%
								R13	CR=65% RQD=NIL
								R14	CR=76% RQD=52%
								R15	CR=51% RQD=NIL
								R16	CR=41% RQD=NIL
								R17	CR=40% RQD=NIL
20.25m								R18	CR=42% RQD=NIL
Moderately weathered, reddish, very fine grained, highly fractured rock.								R19	CR=44% RQD=32%
								R20	CR=58% RQD=NIL
								R21	CR=52% RQD=NIL
								R22	CR=48% RQD=NIL
								R23	CR=43% RQD=NIL
								R24	CR=46% RQD=NIL
								R25	CR=41% RQD=NIL
								R26	CR=41% RQD=NIL
								R27	CR=51% RQD=20%
								R28	CR=52% RQD=NIL
28.50m									29.25
30.00m									30.00

Job No : 3576

Created by : Chandrani

Created on : 30/09/2015

Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. 15

Co-ordinates E=57.000
N=(-)177.000

Field Test	Nos	Samples	Nos	Commencement Date : 13/09/15
Penetrometer (SPT)	10	Undisturbed (UDS)	2	Completion Date : 19/09/15
Cone (Pc)		Penetrometer (SPT)	10	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	10	Level Of Ground : 144.49 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 3.2 m.

DESCRIPTION	SYMBOL	N-VALUE					SAMPLES	
		EACH DIVN. = 15cm.					Ref. No	Depth (m)
0.00m							DS-1	0.50
Very stiff, deep grey, silty clay with calcareous nodules. Obs. sand mixture.		4	8	15	23		SPT-1	1.00-1.45
							DS-2	1.70
							UDS-1	2.00-2.45
							DS-3	2.60
2.60m		7	18	19	37		SPT-2	3.00-3.45
Dense, yellowish grey, clayey silty sand.							DS-4	3.60
							*UDS-2	4.00-4.45
							DS-5	4.70
		9	21	38	59		SPT-3	5.00-5.45
							DS-6	5.70
		48	52		>100	5.0 cm Pentn.	SPT-4	6.00-6.20
							DS-7	6.50
		52			>100	12.0 cm Pentn.	*SPT-5	7.00-7.12
							DS-8	7.60
		56			>100	10.0 cm Pentn.	SPT-6	8.00-8.10
8.60m							DS-9	8.60
Very dense, yellowish grey, silty sand.		54			>100	5.0 cm Pentn.	*SPT-7	9.00-9.05
							DS-10	9.50
		52			>100	7.0 cm Pentn.	*SPT-8	10.00-10.0710.00
10.00m							R1	CR=36% RQD=16%
Highly weathered, yellowish brown, medium grained rock.								10.75
							R2	CR=32% RQD=NIL
11.50m								11.50
Completely weathered, yellowish brown, medium grained rock.							R3	CR=16% RQD=NIL
		52			Refusal	2.0 cm Pentn.	*SPT-9	12.25-12.2712.25
							R4	CR=12% RQD=NIL
		56			Refusal	4.0 cm Pentn.	*SPT-10	13.00-13.0413.00
13.75m							R5	CR=20% RQD=NIL
Highly to moderately weathered, yellowish grey, fine grained rock.							R6	CR=40% RQD=NIL
							R7	CR=36% RQD=NIL
								14.50
15.50m								15.25

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana

CETEST

Job No : 3576

Created by : Chandrani

Created on : 30/09/2015

Sheet No:

BORE LOG DATA SHEET**BORE HOLE NO. 15**Co-ordinates E=57.000
N=(-)177.000

Field Test	Nos	Samples	Nos	Commencement Date : 13/09/15
Penetrometer (SPT)	10	Undisturbed (UDS)	2	Completion Date : 19/09/15
Cone (Pc)		Penetrometer (SPT)	10	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	10	Level Of Ground : 144.49 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 3.2 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
15.50m Highly to moderately weathered, yellowish grey, fine grained rock.								R8	CR=32% RQD=NIL 16.00
16.75m								R9	CR=48% RQD=NIL 16.75
16.75m								R10	CR=32% RQD=NIL 17.50
16.75m								R11	CR=28% RQD=NIL 18.25
16.75m								R12	CR=27% RQD=NIL 19.00
16.75m								R13	CR=48% RQD=NIL 19.75
16.75m								R14	CR=36% RQD=12% 20.50
16.75m								R15	CR=44% RQD=24% 21.25
21.25m Moderately weathered, deep grey, decomposed & disintegrated rock.								R16	CR=40% RQD=28% 22.00
21.25m								R17	CR=60% RQD=NIL 22.75
21.25m								R18	CR=52% RQD=NIL 23.25
21.25m								R19	CR=51% RQD=NIL 24.00
21.25m								R20	CR=48% RQD=NIL 24.75
24.75m								R21	CR=40% RQD=NIL 25.50
24.75m								R22	CR=44% RQD=NIL 26.25
24.75m								R23	CR=42% RQD=NIL 27.00
24.75m								R24	CR=44% RQD=NIL 27.75
24.75m								R25	CR=40% RQD=NIL 28.50
24.75m								R26	CR=42% RQD=NIL 29.25
24.75m								R27	CR=36% RQD=NIL 30.00
30.00m N.B. - '*' means sample could not be recovered.									

Job No : 3576

Created by : Chandrani

Created on : 08/10/2015

Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. 16

Co-ordinates E=57.000
N=(-)137.000

Field Test	Nos	Samples	Nos	Commencement Date : 19/09/15
Penetrometer (SPT)	10	Undisturbed (UDS)	2	Completion Date : 23/09/15
Cone (Pc)		Penetrometer (SPT)	10	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	11	Level Of Ground : 145.194 m.
		Water Sample (WS)	1	Water Struck At : Standing Water Level : 3.3 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m								DS-1	0.50
Very stiff, deep grey, silty clay with calcareous nodules. Obs. sand mixture & kankars.		3	10	14				SPT-1	1.00-1.45
					24			DS-2	1.60
								UDS-1	2.00-2.45
								DS-3	2.60
2.60m		15	20	15				WS-1	3.30
Dense, yellowish grey, clayey silty sand.					35			SPT-2	3.00-3.45
								DS-4	3.70
								*UDS-2	4.00-4.45
								DS-5	4.60
		10	16	21				SPT-3	5.00-5.45
					37			DS-6	5.60
		17	21	27				SPT-4	6.00-6.45
					48			DS-7	6.70
6.70m		19	26	32				SPT-5	7.00-7.45
Very dense, yellowish grey, clayey silty sand.					58			DS-8	7.70
		21	31	42				SPT-6	8.00-8.45
					73			DS-9	8.60
		21	56		>100			SPT-7	9.00-9.25
						10.0 cm Pentn.		DS-10	9.60
		28	52		>100			SPT-8	10.00-10.25
						10.0 cm Pentn.		DS-11	10.50
					>100			*SPT-9	11.00-11.07 11.00
11.00m		56			7.0 cm Pentn.			R1	CR=NIL RQD=NIL
11.75m		56			>100			DS-12	11.75-11.85 11.75
Highly weathered, yellowish grey, medium grained, fractured rock.					10.0 cm Pentn.			R2	CR=32% RQD=NIL
12.50m								R3	CR=56% RQD=NIL
Moderately weathered, deep grey, decomposed disintegrated rock.								R4	CR=21% RQD=NIL
13.25m								R5	CR=33% RQD=NIL
Highly weathered, deep grey, decomposed disintegrated rock.								R6	CR=32% RQD=NIL
									14.75
15.50m									15.50

BORE LOG DATA SHEET

BORE HOLE NO. 16

Co-ordinates E=57.000
N=(-)137.000

Field Test	Nos	Samples	Nos	Commencement Date : 19/09/15
Penetrometer (SPT)	10	Undisturbed (UDS)	2	Completion Date : 23/09/15
Cone (Pc)		Penetrometer (SPT)	10	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	11	Level Of Ground : 145.194 m.
		Water Sample (WS)	1	Water Struck At : Standing Water Level : 3.3 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
Highly weathered, deep grey, decomposed disintegrated rock.	15.50m							R7	CR=40% RQD=NIL
Highly weathered, yellowish grey, medium to coarse grained rock.	16.25m							R8	CR=28% RQD=NIL
	17.00m							R9	CR=27% RQD=NIL
	17.75m							R10	CR=60% RQD=12%
Moderately weathered, yellowish grey, medium to coarse grained rock.	18.50m							R11	CR=44% RQD=NIL
	19.25m							R12	CR=61% RQD=15%
								R13	CR=52% RQD=NIL
								R14	CR=68% RQD=NIL
								R15	CR=60% RQD=NIL
								R16	CR=64% RQD=NIL
								R17	CR=68% RQD=NIL
								R18	CR=72% RQD=NIL
								R19	CR=56% RQD=NIL
								R20	CR=60% RQD=NIL
								R21	CR=68% RQD=NIL
								R22	CR=44% RQD=NIL
								R23	CR=68% RQD=NIL
								R24	CR=64% RQD=NIL
								R25	CR=68% RQD=NIL
								R26	CR=64% RQD=NIL
	30.00m								

Moderately to slightly weathered, deep grey to light grey brownish grey, completely fractured decomposed rock.

N.B. — '*' means sample could not be recovered.

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana

CETEST

Job No : 3576

Created by : Chandrani

Created on : 14/10/2015

Sheet No:

BORE LOG DATA SHEET**BORE HOLE NO. 17**Co-ordinates E=12.000
N=(-)262.000

Field Test	Nos	Samples	Nos	Commencement Date : 03/10/15
Penetrometer (SPT)	9	Undisturbed (UDS)	2	Completion Date : 06/10/15
Cone (Pc)		Penetrometer (SPT)	9	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	11	Level Of Ground : 144.767 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 3.8 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m								DS-1	0.50
Very stiff, deep grey, silty clay. Obs. sand mixture. & calcareous nodules.		6	8	11				SPT-1	1.00-1.45
					19			DS-2	1.60
								UDS-1	2.00-2.45
								DS-3	2.60
2.60m									
Hard, deep grey, silty clay. Obs. sand mixture & calcareous nodules.		9	17	22				SPT-2	3.00-3.45
					39			DS-4	3.60
								UDS-2	4.00-4.45
								DS-5	4.70
5.00m									
Hard, greyish yellow, silty clay with sand mixture.		10	17	30				SPT-3	5.00-5.45
					47			DS-6	5.60
		13	23	33				SPT-4	6.00-6.45
					56			DS-7	6.60
		12	24	30				SPT-5	7.00-7.45
					54			DS-8	7.60
		17	31	42				SPT-6	8.00-8.45
					73			DS-9	8.60
10.00m		21	38	52				SPT-7	9.00-9.35
					>100				
					5.0 cm Pentn.				
					>100			SPT-8	10.00-10.25
Very dense, yellowish grey, clayey silty sand.		33	56					DS-10	10.50
11.00m									
Highly to moderately weathered, greyish yellow, fine grained, highly fractured rock.		58						SPT-9	11.00-11.12
								R1	CR=44% RQD=NIL
								R2	CR=50% RQD=NIL
								R3	CR=26% RQD=NIL
								R4	CR=37% RQD=NIL
								R5	CR=36% RQD=NIL
								R6	CR=46% RQD=NIL
									11.75
									12.50
									13.25
NX rotary drilling from 11.00m to 30.00m									14.00
									14.75
									15.50
15.50m									




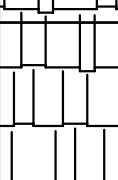

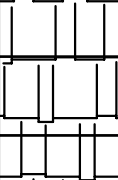
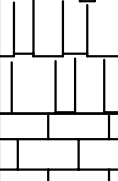
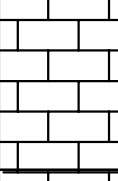
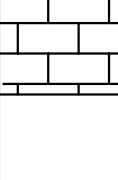
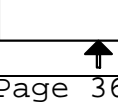
BH-17/Sheet-1

BORE LOG DATA SHEET

BORE HOLE NO. 17

Co-ordinates E=12.000
N=(-)262.000

Field Test	Nos	Samples	Nos	Commencement Date : 03/10/15
Penetrometer (SPT)	9	Undisturbed (UDS)	2	Completion Date : 06/10/15
Cone (Pc)		Penetrometer (SPT)	9	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	11	Level Of Ground : 144.767 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 3.8 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
15.50m Highly to moderately weathered, greyish yellow, fine grained, highly fractured rock.								R7	CR=45% RQD=NIL 16.25
								R8	CR=37% RQD=NIL 17.00
								R9	CR=32% RQD=NIL 17.75
								R10	CR=40% RQD=NIL 18.50
								R11	CR=36% RQD=NIL 19.25
19.50m Moderately weathered, greyish yellow, fine grained, highly fractured rock.								R12	CR=54% RQD=NIL 20.00
								R13	CR=53% RQD=NIL 20.75
20.75m Highly to moderately weathered, deep grey to greyish yellow, medium to fine grained, fractured rock.								R14	CR=45% RQD=14% 21.50
								R15	CR=44% RQD=NIL 22.25
								R16	CR=36% RQD=NIL 23.00
								R17	CR=61% RQD=NIL 23.75
24.50m Moderately weathered, greyish yellow, fine to medium grained, fractured rock.								R18	CR=48% RQD=NIL 24.50
25.25m								R19	CR=44% RQD=13% 25.25
								R20	CR=42% RQD=NIL 26.00
26.75m Moderately weathered, grey, fine grained, highly fractured rock.								R21	CR=41% RQD=NIL 26.75
								R22	CR=53% RQD=NIL 27.50
								R23	CR=72% RQD=NIL 28.25
								R24	CR=65% RQD=NIL 29.00
29.00m Moderately weathered, blackish grey, fine grained, highly fractured rock.								R25	CR=44% RQD=16% 29.75
30.00m								R26	CR=43% RQD=NIL 30.00

Job No : 3576

Created by : Chandrani

Created on : 09/10/2015

Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. 18

Co-ordinates E=12.000
N=(-)217.000

Field Test	Nos	Samples	Nos	Commencement Date : 28/09/15
Penetrometer (SPT)	8	Undisturbed (UDS)	1	Completion Date : 04/10/15
Cone (Pc)		Penetrometer (SPT)	8	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	9	Level Of Ground : 141.638 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 3.20 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m								DS-1	0.50
Stiff, brownish grey, silty clay with kankars & sand mixture.		3	5	7	12			SPT-1	1.00-1.45
								DS-2	1.70
								UDS-1	2.00-2.45
								DS-3	2.70
3.00m		4	8	9	17			SPT-2	3.00-3.45
Medium dense, clayey silty sand with steel grey patches.								DS-4	3.70
		12	30	56	>100			SPT-3	4.00-4.35
					5.0 cm Pentn.			DS-5	4.75
		37	51		>100			SPT-4	5.00-5.25
3.70m					10.0 cm Pentn.			DS-6	5.60
		41	52		>100			SPT-5	6.00-6.20
					5.0 cm Pentn.			DS-7	6.60
		51	56		>100			SPT-6	7.00-7.28
Very dense, clayey silty sand with steel grey patches.					13.0 cm Pentn.			DS-8	7.50
					>100			SPT-7	8.00-8.12
		54			12.0 cm Pentn.			DS-9	8.40
					>100			SPT-8	9.00-9.08
8.00m		52			8.0 cm Pentn.			R1	9.00
Hard, greyish yellow, silty clay with sand mixture.									CR=40% RQD=NIL
								R2	9.75
								R3	10.50
								R4	11.25
9.00m								R5	12.00
								R6	12.75
								R7	13.50
								R8	14.25
Moderately weathered, yellowish grey, fine grained, completely fractured & completely decomposed & disintegrated rock.								R9	15.00
									CR=56% RQD=NIL
15.50m									

NX rotary drilling from
9.00m to 30.00m

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana

CETEST

Job No : 3576

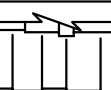
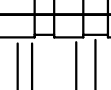
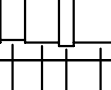
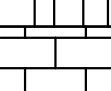
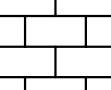
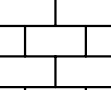
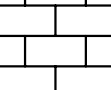
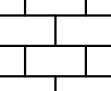
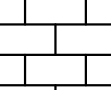


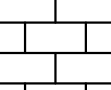
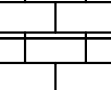
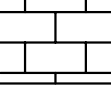


Created by : Chandrani

Created on : 09/10/2015

Sheet No:

BORE LOG DATA SHEET**BORE HOLE NO. 18**Co-ordinates E=12.000
N=(-)217.000

Field Test	Nos	Samples	Nos	Commencement Date : 28/09/15
Penetrometer (SPT)	8	Undisturbed (UDS)	1	Completion Date : 04/10/15
Cone (Pc)		Penetrometer (SPT)	8	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	9	Level Of Ground : 141.638 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 3.20 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
Moderately weathered, yellowish grey, fine grained, completely fractured & completely decomposed & disintegrated rock. 15.50m								R10	CR=54% RQD=NIL 15.75
Highly to moderately weathered, yellowish grey to deep grey, fine grained, fractured rock. 16.50m								R11	CR=36% RQD=NIL 16.50
Moderately weathered, greyish yellow, fine to medium grained, highly fractured rock. 18.00m								R12	CR=42% RQD=NIL 17.25
Moderately weathered, greyish yellow, fine to medium grained, highly fractured rock. 18.75m								R13	CR=45% RQD=NIL 18.00
Moderately weathered, greyish yellow, fine to medium grained, highly fractured rock. 19.50m								R14	CR=52% RQD=NIL 18.75
								R15	CR=60% RQD=NIL 19.50
								R16	CR=54% RQD=NIL 20.25
								R17	CR=50% RQD=NIL 21.00
								R18	CR=55% RQD=NIL 21.75
								R19	CR=62% RQD=NIL 22.50
								R20	CR=57% RQD=NIL 23.25
Moderately to slightly weathered, deep grey, fine grained, highly fractured rock. 24.00m								R21	CR=60% RQD=NIL 24.00
								R22	CR=62% RQD=NIL 24.75
								R23	CR=65% RQD=NIL 25.50
								R24	CR=57% RQD=NIL 26.25
								R25	CR=58% RQD=NIL 27.00
								R26	CR=54% RQD=NIL 27.75
Moderately weathered, brownish grey, fine grained, highly fractured rock. 28.50m								R27	CR=58% RQD=NIL 28.50
								R28	CR=56% RQD=NIL 29.25
									30.00

Job No : 3576

Created by : Chandrani

Created on : 23/09/2015

Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. 19

Co-ordinates E=12.000
N=(-)177.000

Field Test	Nos	Samples	Nos	Commencement Date : 07/09/15
Penetrometer (SPT)	11	Undisturbed (UDS)	3	Completion Date : 13/09/15
Cone (Pc)		Penetrometer (SPT)	11	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	9	Level Of Ground : 141.961 m.
		Water Sample (WS)	1	Water Struck At :
				Standing Water Level : 2.3 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m								DS-1	0.50
Very stiff, deep grey, silty clay. Obs. calcareous nodules.		6	9	9	18			SPT-1	1.00-1.45
								DS-2	1.80
								UDS-1	2.00-2.45
								WS-1	2.30
3.00m		9	17	19	36			SPT-2	3.00-3.45
Dense, yellowish grey, clayey silty sand.								*UDS-2	4.00-4.45
								DS-3	4.80
5.00m		4	6	8	14			SPT-3	5.00-5.45
Stiff, light yellowish grey, silty clay with sand mixture.								DS-4	5.70
5.70m								UDS-3	6.00-6.45
								DS-5	6.80
		52			>100	12.0 cm Pentn.		SPT-4	7.00-7.12
								DS-6	7.50
								SPT-5	8.00-8.25
		32	58		>100	10.0 cm Pentn.		DS-7	8.70
								SPT-6	9.00-9.18
		28	56		>100	3.0 cm Pentn.		DS-8	9.60
								SPT-7	10.00-10.26
		37	52		>100	11.0 cm Pentn.		DS-9	10.60
						Refusal		*SPT-8	11.00-11.05 11.00
11.00m		56			5.0 cm Pentn.	Refusal		R1	CR=20% RQD=NIL
11.75m		52			3.0 cm Pentn.			*SPT-9	11.75-11.78 11.75
Moderately weathered, light grey, medium to fine grained, fractured rock.								R2	CR=56% RQD=10%
12.50m								R3	CR=23% RQD=NIL
						Refusal		*SPT-10	13.25-13.30 13.25
		56			5.0 cm Pentn.	Refusal		R4	CR=22% RQD=NIL
14.00m		55			6.0 cm Pentn.			SPT-11	14.00-14.06 14.00
								R5	CR=52% RQD=NIL
								R6	CR=55% RQD=NIL
15.50m									15.50

BORE LOG DATA SHEET

BORE HOLE NO. 19

Co-ordinates E=12.000
N=(-)177.000

Field Test	Nos	Samples	Nos	Commencement Date : 07/09/15
Penetrometer (SPT)	11	Undisturbed (UDS)	3	Completion Date : 13/09/15
Cone (Pc)		Penetrometer (SPT)	11	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	9	Level Of Ground : 141.961 m.
		Water Sample (WS)	1	Water Struck At : Standing Water Level : 2.3 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
15.50m Moderately weathered, deep grey, completely decomposed disintegrated rock.								R7	CR=48% RQD=NIL
								R8	CR=40% RQD=NIL
17.00m								R9	CR=52% RQD=NIL
								R10	CR=48% RQD=13%
								R11	CR=40% RQD=NIL
Highly to moderately weathered, yellowish grey, fine grained, fractured rock.								R12	CR=39% RQD=NIL
								R13	CR=56% RQD=36%
								R14	CR=52% RQD=20%
								R15	CR=53% RQD=NIL
22.50m								R16	CR=48% RQD=NIL
								R17	CR=52% RQD=NIL
								R18	CR=44% RQD=NIL
Highly to moderately weathered, deep grey, decomposed & disintegrated rock.								R19	CR=32% RQD=NIL
								R20	CR=48% RQD=NIL
								R21	CR=56% RQD=NIL
								R22	CR=60% RQD=NIL
27.25m								R23	CR=48% RQD=NIL
								R24	CR=56% RQD=NIL
Moderately to slightly weathered, yellowish grey to deep grey, fine grained, fractured rock.								R25	CR=48% RQD=12%
								R26	CR=64% RQD=NIL
30.00m									
N.B. - '*' means sample could not be recovered.									

BORE LOG DATA SHEET

BORE HOLE NO. 20

Co-ordinates E=12.000
N=(-)137.000

Field Test	Nos	Samples	Nos	Commencement Date : 23/09/15
Penetrometer (SPT)	9	Undisturbed (UDS)	2	Completion Date : 28/09/15
Cone (Pc)		Penetrometer (SPT)	9	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	10	Level Of Ground : 141.451 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 3.3 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m								DS-1	0.50
Stiff to very stiff, deep grey, silty clay with calcareous nodules. Obs. sand mixture.		5	7	8		15		SPT-1	1.00-1.45
								DS-2	1.70
								UDS-1	2.00-2.45
								DS-3	2.60
		6	11	15		26		SPT-2	3.00-3.45
3.60m								DS-4	3.60
								*UDS-2	4.00-4.10
		18	23	39		62		SPT-3	4.60-5.05
								DS-5	5.50
		21	29	39		68		SPT-4	6.00-6.45
8.00m								DS-6	6.70
		21	34	45		79		SPT-5	7.00-7.45
								DS-7	7.70
		20	32	48		80		SPT-6	8.00-8.45
								DS-8	8.60
Hard, light brownish grey, silty clay. Obs. sand mixture, steel grey patches.		22	34	51		85		SPT-7	9.00-9.45
								DS-9	9.70
		31	47	56		>100		SPT-8	10.00-10.35
								DS-10	10.80
		54				>100		SPT-9	11.00-11.10
Moderately weathered, yellowish grey, fine grained, fractured, decomposed & disintegrated rock.								R1	11.00-11.10
Moderately weathered, yellowish grey, fine grained, fractured, decomposed & disintegrated rock.								R2	11.75
								R3	12.50
								R4	13.25
Moderately weathered, yellowish grey, medium to coarse grained, fractured rock.								R5	14.00
Moderately weathered, deep grey, medium graind, fractured decomposed rock.								R6	14.75
									15.50

NX rotary drilling from
11.00m to 30.00m

Job No : 3576

Created by : Chandrani

Created on : 09/10/2015

Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. 20

Co-ordinates E=12.000
N=(-)137.000

Field Test	Nos	Samples	Nos	Commencement Date : 23/09/15
Penetrometer (SPT)	9	Undisturbed (UDS)	2	Completion Date : 28/09/15
Cone (Pc)		Penetrometer (SPT)	9	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	10	Level Of Ground : 141.451 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 3.3 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
15.50m Moderately weathered, deep grey, medium graind, fractured decomposed rock.								R7	CR=40% RQD=NIL
16.25m								R8	CR=52% RQD=NIL
Moderately to slightly weathered, deep grey, medium graind, fractured decomposed rock.								R9	CR=68% RQD=54%
17.00m								R10	CR=76% RQD=34%
17.75m								R11	CR=48% RQD=36%
18.50m								R12	CR=42% RQD=NIL
Moderately weathered, light grey, fine graind, decomposed & disintegrated rock.								R13	CR=72% RQD=NIL
19.25m								R14	CR=80% RQD=32%
20.00m								R15	CR=73% RQD=16%
Slightly weathered, light grey, fine graind, decomposed & disintegrated rock.								R16	CR=68% RQD=NIL
20.75m								R17	CR=56% RQD=NIL
Slightly weathered, yellowish grey, medium to coarse graind, fractured rock.								R18	CR=78% RQD=NIL
21.50m								R19	CR=74% RQD=NIL
22.00m								R20	CR=78% RQD=NIL
Moderately to slightly weathered / fresh, deep grey, fine graind, fractured & disintegrated rock.								R21	CR=81% RQD=NIL
22.25m								R22	CR=75% RQD=NIL
23.00m								R23	CR=68% RQD=NIL
23.75m								R24	CR=76% RQD=NIL
24.50m								R25	CR=80% RQD=NIL
25.25m								R26	CR=74% RQD=NIL
26.00m									
26.75m									
27.50m									
28.25m									
29.00m									
Slightly weathered, brownish grey, fine graind, fractured rock.									
29.75m									
30.00m									
N.B. - '*' means sample could not be recovered.									

BORE LOG DATA SHEET

BORE HOLE NO. 21

Co-ordinates E=(-)13.000
N=(-)196.000

Field Test	Nos	Samples	Nos	Commencement Date : 28/09/15
Penetrometer (SPT)	6	Undisturbed (UDS)	1	Completion Date : 02/10/15
Cone (Pc)		Penetrometer (SPT)	6	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	7	Level Of Ground : 141.748 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 3.2 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m								DS-1	0.50
Stiff, deep grey, silty clay. Obs. sand mixture & calcareous nodules.		3	4	5				SPT-1	1.00-1.45
					9			DS-2	1.60
								UDS-1	2.00-2.45
								DS-3	2.60
3.00m									
Very dense, yellowish grey, clayey silty sand.		29	42	52				SPT-2	3.00-3.35
					>100			DS-4	3.70
		39	56					SPT-3	4.00-4.25
					>100			DS-5	4.60
		32	50					SPT-4	5.00-5.20
					>100			DS-6	5.60
6.00m									
Hard, light brown, silty clay. Obs. sand mixture.		42	54					SPT-5	6.00-6.25
					>100			DS-7	6.60
7.00m									
Moderately weathered, yellowish grey, fine grained, highly fractured rock.		54						SPT-6	7.00-7.10
					10.0	cm	Pentn.	R1	7.00
									CR=48% RQD=NIL
								R2	7.75
									CR=52% RQD=NIL
								R3	8.50
									CR=56% RQD=NIL
								R4	9.25
									CR=44% RQD=NIL
								R5	10.00
									CR=45% RQD=NIL
Highly to moderately weathered, greyish yellow, fine grained, highly fractured rock.								R6	10.75
									CR=48% RQD=NIL
								R7	11.50
									CR=40% RQD=NIL
								R8	12.25
									CR=44% RQD=NIL
								R9	13.00
									CR=42% RQD=NIL
								R10	13.75
									CR=52% RQD=NIL
15.25m								R11	14.50
15.50m									CR=48% RQD=NIL
									15.25

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana

CETEST

Job No : 3576

Created by : Chandrani

Created on : 12/10/2015

Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. 21

Co-ordinates E=(-)13.000
N=(-)196.000

Field Test	Nos	Samples	Nos	Commencement Date : 28/09/15
Penetrometer (SPT)	6	Undisturbed (UDS)	1	Completion Date : 02/10/15
Cone (Pc)		Penetrometer (SPT)	6	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	7	Level Of Ground : 141.748 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 3.2 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
15.50m Highly to moderately weathered, greyish yellow, fine grained, highly fractured rock.								R12	CR=52% RQD=NIL 16.00
								R13	CR=36% RQD=NIL 16.75
16.75m								R14	CR=55% RQD=NIL 17.50
								R15	CR=48% RQD=NIL 18.25
								R16	CR=60% RQD=NIL 19.00
								R17	CR=72% RQD=NIL 19.75
								R18	CR=48% RQD=NIL 20.50
								R19	CR=56% RQD=NIL 21.25
→ Moderately to slightly weathered yellowish grey, fine grained, highly fractured, disintegrated rock.								R20	CR=44% RQD=NIL 22.00
								R21	CR=64% RQD=NIL 22.75
								R22	CR=56% RQD=NIL 23.50
								R23	CR=60% RQD=NIL 24.25
								R24	CR=68% RQD=NIL 25.00
								R25	CR=48% RQD=NIL 25.75
								R26	CR=60% RQD=NIL 26.50
26.50m Slightly weathered, greyish yellow, medium to fine grained, highly fractured rock.								R27	CR=62% RQD=NIL 27.25
27.25m								R28	CR=49% RQD=NIL 28.00
Moderately weathered, greyish yellow, medium to fine grained, highly fractured 28.00m rock.								R29	CR=62% RQD=NIL 28.75
								R30	CR=54% RQD=NIL 29.50
Moderately to slightly weathered, deep grey, fine grained, fractured disintegrated rock.								R31	CR=58% RQD=NIL 30.00
30.00m									

Job No : 3576

Created by : Chandrani

Created on : 29/10/2015

Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. 22

Co-ordinates E=(-)37.000
N=(-)217.000

Field Test	Nos	Samples	Nos	Commencement Date : 09/10/15
Penetrometer (SPT)	4	Undisturbed (UDS)	1	Completion Date : 14/10/15
Cone (Pc)		Penetrometer (SPT)	4	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	4	Level Of Ground : 140.76 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 3.8 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m Deep grey, silty clay with calcareous nodules. Obs. sand mixture.								DS-1	0.50
0.80m Very stiff, light grey to brownish grey, silty clay. Obs. sand mixture.		8	12	14	26			SPT-1	1.00-1.45
								DS-2	1.60
2.60m Hard, light grey to brownish grey, silty clay. Obs. sand mixture.		10	15	22	37			UDS-1	2.00-2.45
								DS-3	2.60
4.60m		31	100		>100			SPT-2	3.00-3.45
								DS-4	3.60
		100			>100			SPT-3	4.00-4.25
					10.0 cm Pentn.			SPT-4	4.60-4.70
					10.0 cm Pentn.			R1	4.60 CR=48% RQD=NIL
								R2	5.35 CR=56% RQD=NIL
								R3	6.10 CR=44% RQD=NIL
								R4	6.85 CR=46% RQD=NIL
								R5	7.60 CR=48% RQD=NIL
								R6	8.35 CR=52% RQD=NIL
								R7	9.10 CR=36% RQD=NIL
								R8	9.85 CR=48% RQD=NIL
								R9	10.60 CR=32% RQD=NIL
								R10	11.35 CR=28% RQD=NIL
								R11	12.10 CR=40% RQD=NIL
13.00m									12.85

NX rotary drilling from
4.60m to 25.00m

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana

CETEST

Job No : 3576

Created by : Chandrani

Created on : 29/10/2015

Sheet No:

BORE LOG DATA SHEET**BORE HOLE NO. 22**Co-ordinates E=(-)37.000
N=(-)217.000

Field Test	Nos	Samples	Nos	Commencement Date : 09/10/15
Penetrometer (SPT)	4	Undisturbed (UDS)	1	Completion Date : 14/10/15
Cone (Pc)		Penetrometer (SPT)	4	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	4	Level Of Ground : 140.76 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 3.8 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
Highly to moderately weathered, greyish yellow, fine grained, highly fractured rock.								R12	CR=29% RQD=NIL
								R13	CR=48% RQD=NIL
Highly to moderately weathered, greyish yellow, medium grained, fractured rock.								R14	CR=36% RQD=NIL
								R15	CR=44% RQD=NIL
								R16	CR=40% RQD=NIL
								R17	CR=32% RQD=NIL
								R18	CR=36% RQD=NIL
								R19	CR=40% RQD=NIL
								R20	CR=28% RQD=NIL
								R21	CR=40% RQD=NIL
								R22	CR=40% RQD=NIL
								R23	CR=32% RQD=NIL
								R24	CR=42% RQD=NIL
								R25	CR=30% RQD=NIL
								R26	CR=40% RQD=NIL
								R27	CR=46% RQD=NIL

Job No : 3576

Created by : Chandrani

Created on : 29/10/2015

Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. 23

Co-ordinates E=(-)37.000
N=(-)176.000

Field Test	Nos	Samples	Nos	Commencement Date : 17/10/15
Penetrometer (SPT)	9	Undisturbed (UDS)	2	Completion Date : 19/10/15
Cone (Pc)		Penetrometer (SPT)	9	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	9	Level Of Ground : 141.709 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 1.5 m.

DESCRIPTION	SYMBOL	N-VALUE					SAMPLES	
		EACH DIVN. = 15cm.					Ref. No	Depth (m)
0.00m							DS-1	0.50
Medium dense, yellowish brown, silty sand with kankars.		4	7	12	19		SPT-1	1.00-1.45
							DS-2	1.75
							*UDS-1	2.00-2.45
2.75m							DS-3	2.75
Hard, light yellowish grey, silty clay.		15	35	48	83		SPT-2	3.00-3.45
3.50m							DS-4	3.75
							*UDS-2	4.00-4.08
Hard, reddish grey, silty clay with sand mixture.		42	50		≥100		SPT-3	4.50-4.75
				10.0 cm Pentn.			DS-5	5.00
		26	45	50	≥100		SPT-4	5.50-5.87
				7.0 cm Pentn.			DS-6	6.20
6.20m		22	33	44	77		SPT-5	6.50-6.95
		35	100		≥100		DS-7	7.30
Hard, greyish brown, silty clay with sand mixture.				6.0 cm Pentn.			SPT-6	7.50-7.71
		36	100		≥100		DS-8	8.00
				8.0 cm Pentn.			SPT-7	8.50-8.73
		38	100		≥100		DS-9	9.10
				10.0 cm Pentn.			SPT-8	9.50-9.75
10.00m		100			≥100		SPT-9	10.00-10.08
				8.0 cm Pentn.			R1	10.00
								CR=35% RQD=NIL
							R2	10.75
								CR=37% RQD=NIL
							R3	11.50
								CR=50% RQD=NIL
							R4	12.25
								CR=51% RQD=NIL
								13.00
Highly to moderately weathered, brownish grey, medium grained, fractured rock.								
13.00m								

NX rotary drilling from
10.00m to 25.00m

Co-ordinates	E= $\{-\}$ 37.000 N= $\{-\}$ 176.000
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DESCRIPTION	SYMBOL	N-VALUE	SAMPLES	
		EACH DIVN. = 15cm.	Ref. No	Depth (m)

BH-23/Sheet-2

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana

CETEST

Job No : 3576

Created by : Chandrani

Created on : 29/10/2015

Sheet No:

BORE LOG DATA SHEET**BORE HOLE NO. 24**Co-ordinates E=(-)37.000
N=(-)136.000

Field Test	Nos	Samples	Nos	Commencement Date : 15/10/15
Penetrometer (SPT)	9	Undisturbed (UDS)	2	Completion Date : 19/10/15
Cone (Pc)		Penetrometer (SPT)	9	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	11	Level Of Ground : 141.609 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 1.1 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m Very stiff, silty clay with sand mixture.								DS-1	0.50
		8	11	13				SPT-1	1.00-1.45
1.60m								DS-2	1.60
								UDS-1	2.00-2.45
Hard, greyish brown, silty clay. Obs. sand mixture.								DS-3	2.70
		12	18	23				SPT-2	3.00-3.45
								DS-4	3.75
4.20m								UDS-2	4.00-4.45
								DS-5	4.70
		17	23	34				SPT-3	5.00-5.45
								DS-6	5.70
		19	27	41				SPT-4	6.00-6.45
								DS-7	6.60
		21	44	52				SPT-5	7.00-7.45
Hard, light grey, silty clay. Obs. sand mixture.								DS-8	7.60
		24	41	57				SPT-6	8.00-8.45
								DS-9	8.60
		31	47	100				SPT-7	9.00-9.35
								DS-10	9.70
		48	100					SPT-8	10.00-10.25
								DS-11	10.60
11.00m		102						SPT-9	11.00-11.08
								R1	1.00
Highly to moderately weathered, brownish grey to blackish grey, medium grained, fractured rock.								R2	11.75
								R3	12.50
13.00m									

NX rotary drilling from
11.00m to 25.00m

CR=40%
RQD=NIL

CR=47%
RQD=27%

CR=40%
RQD=NIL

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana

CETEST

Job No : 3576

Created by : Chandrani

Created on : 29/10/2015

Sheet No:

BORE LOG DATA SHEET**BORE HOLE NO. 24**Co-ordinates E=(-)37.000
N=(-)136.000

Field Test	Nos	Samples	Nos	Commencement Date : 15/10/15
Penetrometer (SPT)	9	Undisturbed (UDS)	2	Completion Date : 19/10/15
Cone (Pc)		Penetrometer (SPT)	9	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	11	Level Of Ground : 141.609 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 1.1 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
13.00m									13.25
								R4	CR=40% RQD=NIL
								R5	CR=48% RQD=NIL
								R6	CR=41% RQD=NIL
								R7	CR=42% RQD=NIL
								R8	CR=40% RQD=NIL
								R9	CR=37% RQD=NIL
								R10	CR=40% RQD=NIL
								R11	CR=42% RQD=NIL
								R12	CR=45% RQD=28%
								R13	CR=43% RQD=NIL
								R14	CR=27% RQD=13%
								R15	CR=36% RQD=NIL
								R16	CR=34% RQD=NIL
								R17	CR=37% RQD=NIL
								R18	CR=50% RQD=NIL
								R19	CR=54% RQD=NIL
24.50m									24.50
25.00m									25.00

Highly to moderately weathered, brownish grey to blackish grey, medium grained, fractured rock.

Moderately weathered, brownish grey to blackish grey, medium grained, fractured rock.

Job No : 3576

Created by : Chandrani

Created on : 29/10/2015

Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. 25

Co-ordinates E=(-)77.000
N=(-)217.000

Field Test	Nos	Samples	Nos	Commencement Date : 13/10/15
Penetrometer (SPT)	6	Undisturbed (UDS)	2	Completion Date : 15/10/15
Cone (Pc)		Penetrometer (SPT)	6	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	5	Level Of Ground : 140.727 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 2.4 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m								DS-1	0.50
Very stiff, deep grey, silty clay with kankars mixed. Obs. low % of sand.		5	7	9	16			SPT-1	1.00-1.45
								DS-2	1.75
								UDS-1	2.00-2.45
2.80m								DS-3	2.80
Very stiff, yellowish brown, silty clay with kankars mixed. Obs. calcareous nodules.		6	9	13	22			SPT-2	3.00-3.45
								DS-4	3.80
4.00m								*UDS-2	4.00-4.08
Hard, yellowish brown, silty clay with decomposed rock.		45	100		>100			SPT-3	4.50-4.70
				5.0 cm	Pentn.			DS-5	5.00
5.25m		100			>100			SPT-4	5.25-5.34
Highly weathered, yellowish brown, medium grained, highly fractured rock				9.0 cm	Pentn.			R1	CR=40% RQD=NIL
		NX rotary drilling from 5.25m to 25.00m						R2	CR=37% RQD=NIL
6.75m								R3	CR=36% RQD=NIL
								R4	CR=34% RQD=NIL
Highly weathered, deep grey, medium grained, highly fractured rock.								R5	CR=37% RQD=NIL
								R6	CR=32% RQD=NIL
9.75m								R7	CR=35% RQD=NIL
								R8	CR=40% RQD=NIL
Highly to moderately weathered, light yellowish grey, medium to fine grained, highly fractured rock.								R9	CR=38% RQD=NIL
								R10	CR=48% RQD=NIL
13.00m									12.75

BORE LOG DATA SHEET

BORE HOLE NO. 25

Co-ordinates E=(-)77.000
N=(-)217.000

Field Test	Nos	Samples	Nos	Commencement Date : 13/10/15
Penetrometer (SPT)	6	Undisturbed (UDS)	2	Completion Date : 15/10/15
Cone (Pc)		Penetrometer (SPT)	6	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	5	Level Of Ground : 140.727 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 2.4 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
13.00m								R11	CR=46% RQD=NIL
								R12	CR=56% RQD=NIL
								R13	CR=60% RQD=NIL
								R14	CR=47% RQD=19%
								R15	CR=60% RQD=21%
								R16	CR=38% RQD=NIL
								R17	CR=56% RQD=NIL
								R18	CR=48% RQD=NIL
								R19	CR=45% RQD=NIL
19.50m								R20	CR=NIL RQD=NIL
Completely weathered, medium grained, decomposed & disintegrated rock particles collected as sludge.								SPT-5	20.25-20.32
21.00m								R21	CR=NIL RQD=NIL
Moderately weathered, light yellowish grey, medium grained, highly fractured rock.								*SPT-6	21.00-21.03
21.75m								R22	CR=45% RQD=NIL
								R23	CR=53% RQD=NIL
								R24	CR=56% RQD=NIL
								R25	CR=52% RQD=NIL
								R26	CR=51% RQD=NIL
25.00m									
N.B. - '*' means sample could not be recovered.									

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana

CETEST

Job No : 3576

Created by : Chandrani

Created on : 29/10/2015

Sheet No:

BORE LOG DATA SHEET**BORE HOLE NO. 26**Co-ordinates E=(-)77.000
N=(-)176.000

Field Test	Nos	Samples	Nos	Commencement Date : 16/10/15
Penetrometer (SPT)	9	Undisturbed (UDS)	2	Completion Date : 19/10/15
Cone (Pc)		Penetrometer (SPT)	10	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	10	Level Of Ground : 140.863 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 1.55 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m								DS-1	0.50
Very stiff, brownish grey, silty clay with sand mixture. Obs. rusty spots.		4	6	11		17		SPT-1	1.00-1.45
								DS-2	1.75
								UDS-1	2.00-2.45
2.80m								DS-3	2.80
Hard, yellowish brown, silty clay.		9	12	19		31		SPT-2	3.00-3.45
								DS-4	3.75
3.50m								*UDS-2	4.00-4.45
Dense, yellowish brown, silty sand.		9	18	23		41		SPT-3	4.50-4.95
								DS-5	5.25
5.25m		12	32	100		≥100		SPT-4	5.50-5.86
Very dense, yellowish brown, silty sand.					6.0 cm	Penth.		DS-6	6.20
						≥100		SPT-5	6.50-6.71
6.80m		38	100		6.0 cm	Penth.		DS-7	7.00
Hard, greyish brown, silty clay. Obs. decomposed rock.						≥100		SPT-6	7.50-7.58
		100			8.0 cm	Penth.		R1	7.50
7.50m								R2	8.25
Highly to moderately weathered, brownish grey to greyish brown, fine to medium grained, completely fractured rock.		NX rotary drilling from 7.50m to 25.00m						R3	9.00
								R4	9.75
								R5	10.50
								R6	11.25
								R7	12.00
									12.75
13.00m									

BORE LOG DATA SHEET

BORE HOLE NO. 26

Co-ordinates E=(-)77.000
N=(-)176.000

Field Test	Nos	Samples	Nos	Commencement Date : 16/10/15
Penetrometer (SPT)	9	Undisturbed (UDS)	2	Completion Date : 19/10/15
Cone (Pc)		Penetrometer (SPT)	10	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	10	Level Of Ground : 140.863 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 1.55 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
13.00m Highly to moderately weathered, brownish grey to greyish brown, fine to medium grained, fractured rock.								R8	CR=45% RQD=NIL 13.50
14.25m								R9	CR=42% RQD=NIL 14.25
14.25m Highly weathered, brownish grey, medium to coarse grained, moderately fractured rock.								R10	CR=40% RQD=NIL 15.00
								R11	CR=36% RQD=32% 15.75
								R12	CR=40% RQD=20% 16.50
								R13	CR=33% RQD=08% 17.25
17.25m								R14	CR=NIL RQD=NIL 18.00
								DS-8 *SPT-7	18.00-18.0418.00
								R15	CR=NIL RQD=NIL 18.75
								*SPT-8	18.75-18.7818.75
								R16	CR=38% RQD=38% 19.50
Completely to highly weathered, brownish grey, medium to coarse grained, moderately fractured rock.								R17	CR=29% RQD=NIL 20.25
								R18	CR=30% RQD=NIL 21.00
								R19	CR=NIL RQD=NIL 21.75
								DS-9 *SPT-9	21.75-21.7921.75
								R20	CR=NIL RQD=NIL 22.50
22.50m								DS-10 *SPT-10	22.50-22.5422.50
Highly weathered, brownish grey, fine to medium grained, fractured rock.								R21	CR=38% RQD=NIL 23.25
								R22	CR=33% RQD=NIL 24.00
24.00m Moderately weathered, brownish grey, fine to medium grained, fractured rock.								R23	CR=60% RQD=NIL 25.00
25.00m									

N.B. - '*' means sample could not be recovered.

Job No : 3576

Created by : Chandrani

Created on : 29/10/2015

Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. 27

Co-ordinates E=(-)77.000
N=(-)136.000

Field Test	Nos	Samples	Nos	Commencement Date : 19/10/15
Penetrometer (SPT)	5	Undisturbed (UDS)	2	Completion Date : 23/10/15
Cone (Pc)		Penetrometer (SPT)	5	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	5	Level Of Ground : 140.56 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 1.5 m.

DESCRIPTION	SYMBOL	N-VALUE					SAMPLES	
		EACH DIVN. = 15cm.					Ref. No	Depth (m)
0.00m							DS-1	0.50
Medium dense, yellowish grey, silty sand.		9	12	13	25		SPT-1	1.00-1.45
							DS-2	1.75
							*UDS-1	2.00-2.45
		11	13	16	29		SPT-2	3.00-3.45
							DS-3	4.00
5.10m							*UDS-2	4.50-4.95
		18	31	100	≥100		SPT-3	5.50-5.85
					5.0 cm Pentn.		DS-4	6.00
		23	100		≥100		SPT-4	6.50-6.72
					7.0 cm Pentn.		DS-5	7.00
7.50m		100			≥100		SPT-5	7.50-7.58
					8.0 cm Pentn.		R1	7.50 CR=28% RQD=NIL
		NX rotary drilling from 7.50m to 25.00m					R2	8.25 CR=30% RQD=NIL
							R3	9.00 CR=27% RQD=NIL
							R4	9.75 CR=32% RQD=NIL
							R5	10.50 CR=34% RQD=NIL
							R6	11.25 CR=30% RQD=NIL
							R7	12.00 CR=28% RQD=NIL
								12.75
13.00m								

BORE LOG DATA SHEET

BORE HOLE NO. 27

Co-ordinates E=(-)77.000
N=(-)136.000

Field Test	Nos	Samples	Nos	Commencement Date : 19/10/15
Penetrometer (SPT)	5	Undisturbed (UDS)	2	Completion Date : 23/10/15
Cone (Pc)		Penetrometer (SPT)	5	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	5	Level Of Ground : 140.56 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 1.5 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
13.00m Highly weathered, light grey to yellowish grey, fine grained, fractured rock.								R8	CR=31% RQD=NIL 13.50
								R9	CR=34% RQD=NIL 14.25
								R10	CR=36% RQD=NIL 15.00
								R11	CR=37% RQD=NIL 15.75
								R12	CR=40% RQD=NIL 16.50
								R13	CR=38% RQD=NIL 17.25
								R14	CR=36% RQD=NIL 18.00
18.00m Highly to moderately weathered, brownish grey, fine grained, fractured rock.								R15	CR=40% RQD=NIL 18.75
								R16	CR=42% RQD=NIL 19.50
								R17	CR=40% RQD=NIL 20.25
								R18	CR=45% RQD=NIL 21.00
								R19	CR=41% RQD=NIL 21.75
								R20	CR=52% RQD=NIL 22.50
								R21	CR=50% RQD=NIL 23.25
23.25m Moderately weathered, brownish grey, fine grained, fractured rock.								R22	CR=53% RQD=NIL 24.00
								R23	CR=56% RQD=NIL 25.00
25.00m									

N.B. — '*' means sample could not be recovered.

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana

CETEST

Job No : 3576

Created by : Chandrani

Created on : 12/10/2015

Sheet No:

BORE LOG DATA SHEET**BORE HOLE NO. 28**Co-ordinates E=(-)237.000
N=(-)262.000

Field Test	Nos	Samples	Nos	Commencement Date : 03/10/15
Penetrometer (SPT)	4	Undisturbed (UDS)	1	Completion Date : 05/10/15
Cone (Pc)		Penetrometer (SPT)	4	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	4	Level Of Ground : 142.327 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 2.27 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m									
Very stiff, yellowish grey, silty clay with sand mixture. Obs. kankar.						18		DS-1	0.50
		6	8	10				SPT-1	1.00-1.45
								DS-2	1.50
								UDS-1	2.00-2.45
3.00m						30		DS-3	2.70
		10	13	17				SPT-2	3.00-3.45
Hard, deep grey, silty clay with sand & kankars.						>100		DS-4	3.60
4.00m		20	50					SPT-3	4.00-4.20
Very dense, yellowish brown, silty sand.					5.0 cm	Pentn.			
4.50m		50				Refusal		SPT-4	4.50-4.57
					7.0 cm	Pentn.		R1	4.50
									5.25
								R2	CR=31% RQD=NIL
									6.00
								R3	CR=33% RQD=21%
									6.75
								R4	CR=35% RQD=16%
									7.50
								R5	CR=40% RQD=36%
									8.25
								R6	CR=56% RQD=48%
									9.00
								R7	CR=36% RQD=23%
									9.75
9.75m								R8	CR=67% RQD=25%
									10.50
								R9	CR=72% RQD=56%
									11.25
								R10	CR=68% RQD=50%
									12.00
								R11	CR=80% RQD=79%
									12.75
13.00m									

NX rotary drilling from
4.50m to 25.00m

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana

CETEST

Job No : 3576

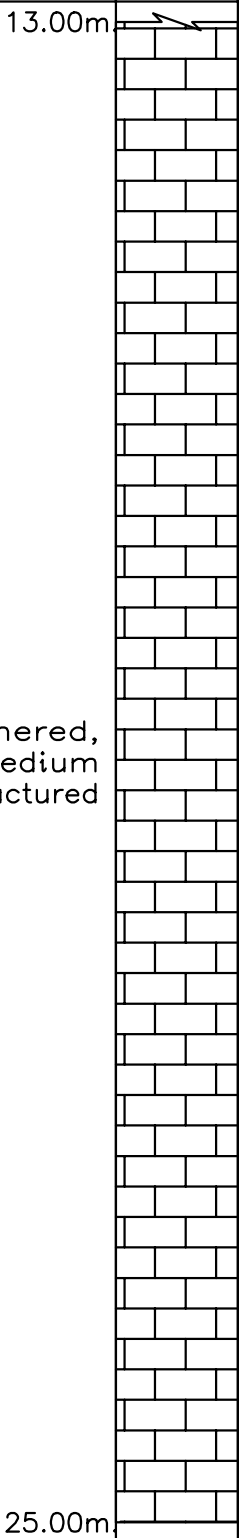
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Sheet No:

BORE LOG DATA SHEET**BORE HOLE NO. 28**Co-ordinates E=(-)237.000
N=(-)262.000

Field Test	Nos	Samples	Nos	Commencement Date : 03/10/15
Penetrometer (SPT)	4	Undisturbed (UDS)	1	Completion Date : 05/10/15
Cone (Pc)		Penetrometer (SPT)	4	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	4	Level Of Ground : 142.327 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 2.27 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
Moderately to slightly weathered, yellowish brown, coarse to medium graind, highly to moderately fractured rock.								R12	CR=56% RQD=36% 13.50
								R13	CR=65% RQD=44% 14.25
								R14	CR=72% RQD=NIL 15.00
								R15	CR=62% RQD=13% 15.75
								R16	CR=44% RQD=21% 16.50
								R17	CR=60% RQD=21% 17.25
								R18	CR=73% RQD=60% 18.00
								R19	CR=72% RQD=39% 18.75
								R20	CR=54% RQD=16% 19.50
								R21	CR=47% RQD=24% 20.25
								R22	CR=57% RQD=54% 21.00
								R23	CR=69% RQD=37% 21.75
								R24	CR=48% RQD=19% 22.50
								R25	CR=48% RQD=18% 23.25
								R26	CR=77% RQD=44% 24.00
								R27	CR=62% RQD=21% 24.75
								R28	CR=78% RQD=NIL 25.00

Job No : 3576

Created by : Chandrani

Created on : 12/10/2015

Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. 29

Co-ordinates E=(-)237.000
N=(-)177.000

Field Test	Nos	Samples	Nos	Commencement Date : 29/09/15
Penetrometer (SPT)	4	Undisturbed (UDS)	2	Completion Date : 30/09/15
Cone (Pc)		Penetrometer (SPT)	4	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	5	Level Of Ground : 141.147 m.
		Water Sample (WS)	1	Water Struck At :
				Standing Water Level : 1.2 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m									
Stiff, deep grey, silty clay with traces of sand.		3	4	4	8			DS-1	0.50
								SPT-1	1.00-1.45
								WS-1	1.20
								DS-2	1.70
								UDS-1	2.00-2.45
								DS-3	2.80
3.00m		8	10	13	23			SPT-2	3.00-3.45
Medium dense, brownish grey, silty sand.								DS-4	3.75
								*UDS-2	4.00-4.08
4.00m								SPT-3	4.50-4.72
Very dense, yellowish brown, silty sand.		17	50		>100			DS-5	4.80
								SPT-4	5.00-5.07
5.00m		50			Refusal			R1	5.00
									CR=22% RQD=NIL
									5.75
								R2	CR=24% RQD=22%
									6.50
								R3	CR=21% RQD=NIL
									7.25
								R4	CR=28% RQD=NIL
									8.00
								R5	CR=21% RQD=NIL
									8.75
								R6	CR=23% RQD=NIL
									9.50
9.50m								R7	CR=45% RQD=42%
									10.25
								R8	CR=46% RQD=44%
									11.00
								R9	CR=55% RQD=52%
									11.75
11.75m								R10	CR=23% RQD=21%
									12.50
								R11	CR=22% RQD=21%
13.00m									

NX rotary drilling from
5.00m to 25.00m

BORE LOG DATA SHEET

BORE HOLE NO. 29

Co-ordinates E=(-)237.000
N=(-)177.000

Field Test	Nos	Samples	Nos	Commencement Date : 29/09/15
Penetrometer (SPT)	4	Undisturbed (UDS)	2	Completion Date : 30/09/15
Cone (Pc)		Penetrometer (SPT)	4	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	5	Level Of Ground : 141.147 m.
		Water Sample (WS)	1	Water Struck At : Standing Water Level : 1.2 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
13.00m									13.25
Highly weathered, yellowish brown, medium to fine grained, highly to moderately fractured rock.								R12	CR=36% RQD=34%
								R13	CR=24% RQD=NIL
								R14	CR=39% RQD=NIL
								R15	CR=57% RQD=20%
								R16	CR=22% RQD=NIL
17.00m									17.00
Highly to moderately weathered, yellowish brown, medium to fine grained, highly to moderately fractured rock.								R17	CR=57% RQD=55%
								R18	CR=36% RQD=18%
								R19	CR=29% RQD=28%
								R20	CR=41% RQD=13%
								R21	CR=44% RQD=NIL
								R22	CR=48% RQD=NIL
								R23	CR=57% RQD=NIL
								R24	CR=44% RQD=NIL
23.00m									23.00
Slightly weathered, yellowish brown, medium to fine grained, slightly fractured rock.								R25	CR=58% RQD=56%
								R26	CR=68% RQD=64%
								R27	CR=77% RQD=64%
25.00m									25.00
N.B. - '*' means sample could not be recovered.									

Job No : 3576

Created by : Chandrani

Created on : 23/10/2015

Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. 30

Co-ordinates E=(-)277.000
N=(-)217.000

Field Test	Nos	Samples	Nos	Commencement Date : 01/10/15
Penetrometer (SPT)	4	Undisturbed (UDS)	1	Completion Date : 02/10/15
Cone (Pc)		Penetrometer (SPT)	4	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	4	Level Of Ground : 141.598 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 2.3 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m								DS-1	0.50
Loose, yellowish grey, silty sand / sandy silt.		2	3	5	8			SPT-1	1.00-1.45
								DS-2	1.60
								UDS-1	2.00-2.45
								DS-3	2.60
3.00m		50						SPT-2	3.00-3.12
Very dense, brownish grey, silty sand.				12.0	cm	Pentn.		DS-4	3.70
		50						SPT-3	4.00-4.09
4.50m		50		9.0	cm	Pentn.		SPT-4	4.50-4.56
Highly weathered, brownish yellow, medium to fine grained, highly to moderately fractured rock.						Refusal		R1	CR=22% RQD=NIL
				6.0	cm	Pentn.		R2	CR=28% RQD=NIL
								R3	CR=23% RQD=NIL
								R4	CR=24% RQD=NIL
								R5	CR=25% RQD=NIL
								R6	CR=21% RQD=NIL
								R7	CR=36% RQD=NIL
								R8	CR=21% RQD=NIL
								R9	CR=25% RQD=NIL
								R10	CR=22% RQD=NIL
								R11	CR=39% RQD=28%
								R12	CR=32% RQD=13%
								R13	CR=25% RQD=NIL
								R14	CR=24% RQD=20%
								R15	CR=21% RQD=NIL

NX rotary drilling from
4.50m to 30.00m

BORE LOG DATA SHEET

BORE HOLE NO. 30

Co-ordinates E=(-)277.000
N=(-)217.000

Field Test	Nos	Samples	Nos	Commencement Date : 01/10/15
Penetrometer (SPT)	4	Undisturbed (UDS)	1	Completion Date : 02/10/15
Cone (Pc)		Penetrometer (SPT)	4	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	4	Level Of Ground : 141.598 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 2.3 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
15.50m Highly weathered, brownish yellow, medium to fine grained, highly to moderately fractured rock.								R16	15.75 CR=24% RQD=NIL
								R17	16.50 CR=28% RQD=NIL
								R18	17.25 CR=25% RQD=NIL
18.00m Highly weathered, yellowish grey, fine grained, highly fractured rock.								R19	18.00 CR=28% RQD=NIL
18.75m								R20	18.75 CR=44% RQD=31%
								R21	19.50 CR=25% RQD=NIL
								R22	20.25 CR=27% RQD=NIL
								R23	21.00 CR=21% RQD=NIL
								R24	21.75 CR=47% RQD=13%
								R25	22.50 CR=33% RQD=NIL
Highly to moderately weathered, brownish yellow, medium to fine grained, highly to moderately fractured rock.								R26	23.25 CR=47% RQD=14%
								R27	24.00 CR=39% RQD=27%
								R28	24.75 CR=43% RQD=28%
								R29	25.50 CR=48% RQD=18%
								R30	26.25 CR=43% RQD=35%
								R31	27.00 CR=33% RQD=NIL
								R32	27.75 CR=45% RQD=13%
28.00m Moderately weathered, deep grey, fine grained, highly fractured rock.								R33	28.50 CR=45% RQD=25%
28.50m								R34	29.25 CR=68% RQD=45%
Moderately to slightly weathered, brownish yellow, medium to fine grained, moderately fractured rock.									30.00

BORE HOLE NO. 31

Co-ordinates	E=(-)329.000 N=(-)262.000
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BORE HOLE NO. 31

Co-ordinates	E=(-)329.000 N=(-)262.000
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DESCRIPTION	SYMBOL	N-VALUE							SAMPLES		
		EACH DIVN. = 15cm.							Ref. No	Depth (m)	
13.00m Moderately to slightly weathered, brownish yellow, medium grained, highly to moderately fractured rock.									R11	CR=47% RQD=NIL	13.00
									R12	CR=48% RQD=NIL	13.50
									R13	CR=47% RQD=NIL	14.25
									R14	CR=72% RQD=NIL	15.00
									R15	CR=68% RQD=39%	15.75
									R16	CR=52% RQD=NIL	16.50
									R17	CR=47% RQD=NIL	17.25
									R18	CR=44% RQD=13%	18.00
									R19	CR=53% RQD=33%	18.75
18.75m Moderately to slightly weathered, brownish yellow, medium grained, highly to moderately fractured rock.									R20	CR=51% RQD=NIL	19.50
									R21	CR=48% RQD=NIL	20.25
									R22	CR=44% RQD=16%	21.00
									R23	CR=52% RQD=20%	21.75
									R24	CR=60% RQD=24%	22.50
									R25	CR=59% RQD=28%	23.25
									R26	CR=72% RQD=36%	24.00
									R27	CR=78% RQD=NIL	24.75
											25.00
25.00m											
N.B. — '*' means sample could not be recovered.											

BORE HOLE NO. 32

Co-ordinates	E=(-)329.000 N=(-)177.000
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Job No : 3576

Created by : Chandrani

Created on : 29/10/2015

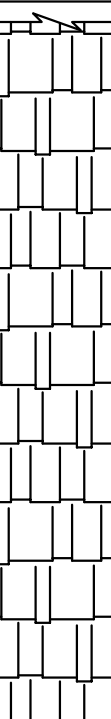

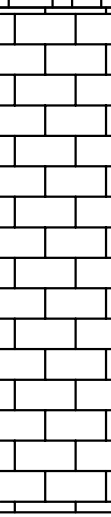
Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. 32

Co-ordinates E=(-)329.000
N=(-)177.000

Field Test	Nos	Samples	Nos	Commencement Date : 07/10/15
Penetrometer (SPT)	10	Undisturbed (UDS)	2	Completion Date : 09/10/15
Cone (Pc)		Penetrometer (SPT)	10	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	12	Level Of Ground : 141.744 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 2.5 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
Highly weathered, brownish yellow, medium grained, highly to moderately fractured r.ock.								R2	CR=26% RQD=16% 13.00m
								R3	CR=33% RQD=NIL 13.50
								R4	CR=27% RQD=NIL 14.25
								R5	CR=40% RQD=NIL 15.00
								R6	CR=38% RQD=NIL 15.75
								R7	CR=27% RQD=NIL 16.50
								R8	CR=29% RQD=NIL 17.25
								R9	CR=39% RQD=NIL 18.00
								R10	CR=48% RQD=NIL 18.75
Moderately weathered, brownish yellow, medium grained, highly to moderately fractured rock.								R11	CR=41% RQD=NIL 19.50
								R12	CR=47% RQD=20% 20.25
								R13	CR=59% RQD=56% 21.00
Moderately to slightly weathered, brownish yellow, medium grained, slightly fractured rock.								R14	CR=56% RQD=21% 21.75
								R15	CR=62% RQD=56% 22.50
								R16	CR=61% RQD=22% 23.25
								R17	CR=76% RQD=68% 24.00
								R18	CR=62% RQD=NIL 24.75
N.B. — '*' means sample could not be recovered.									25.00m

Job No : 3576

Created by : Chandrani

Created on : 29/10/2015

Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. 33

Co-ordinates E=(-)529.000
N=(-)217.000

Field Test	Nos	Samples	Nos	Commencement Date : 09/10/15
Penetrometer (SPT)	5	Undisturbed (UDS)	2	Completion Date : 12/10/15
Cone (Pc)		Penetrometer (SPT)	5	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	7	Level Of Ground : 139.868 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 1.2 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m								DS-1	0.50
Very stiff, yellowish brown, silty clay with sand mixture & kankar.		8	9	11		20		SPT-1	1.00-1.45
								DS-2	1.70
								UDS-1	2.00-2.45
								DS-3	2.60
3.00m						21		SPT-2	3.00-3.45
Very stiff, light grey, silty clay with sand & calcareous nodules.		5	8	13				DS-4	3.70
								*UDS-2	4.00-4.45
								DS-5	4.60
		19						SPT-3	5.00-5.37
4.00m						≥100		DS-6	5.70
						7.0 cm Pentn.		SPT-4	6.00-6.23
						≥100		DS-7	6.60
						8.0 cm Pentn.		*SPT-5	7.00-7.07
Very dense, brownish yellow, silty sand.						Refusal		R1	7.00
						7.0 cm Pentn.			7.75
								R2	8.50
								R3	9.25
7.00m								R4	10.00
								R5	10.75
								R6	11.50
								R7	12.25
Highly weathered, brownish yellow, medium to fine grained, highly fractured rock.								R8	13.00
9.25m									
Moderately weathered, brownish yellow, medium to fine grained, highly to moderately fractured rock.									
13.00m									

NX rotary drilling from 7.00m to 25.00m

BORE LOG DATA SHEET

BORE HOLE NO. 33

Co-ordinates E=(-)529.000
N=(-)217.000

Field Test	Nos	Samples	Nos	Commencement Date : 09/10/15
Penetrometer (SPT)	5	Undisturbed (UDS)	2	Completion Date : 12/10/15
Cone (Pc)		Penetrometer (SPT)	5	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	7	Level Of Ground : 139.868 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 1.2 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
13.00m Moderately weathered, brownish yellow, medium to fine grained, highly to moderately fractured rock.								R9	CR=45% RQD=NIL
13.75m									13.75
								R10	CR=62% RQD=NIL
									14.50
Slightly weathered, brownish yellow, medium to fine grained, highly to moderately fractured rock.								R11	CR=61% RQD=44%
									15.25
								R12	CR=72% RQD=58%
									16.00
16.00m								R13	CR=46% RQD=36%
									16.75
								R14	CR=47% RQD=42%
									17.50
Moderately weathered, brownish yellow, medium to fine grained, highly to moderately fractured rock.								R15	CR=44% RQD=20%
									18.25
								R16	CR=42% RQD=NIL
									19.00
								R17	CR=44% RQD=18%
									19.75
								R18	CR=41% RQD=NIL
									20.50
								R19	CR=45% RQD=NIL
									21.25
21.25m								R20	CR=51% RQD=NIL
									22.00
								R21	CR=62% RQD=41%
									22.75
								R22	CR=65% RQD=26%
									23.50
Moderately to slightly weathered, light grey, medium to fine grained, moderately fractured rock.								R23	CR=61% RQD=52%
									24.25
								R24	CR=63% RQD=28%
									25.00
25.00m									
N.B. - '*' means sample could not be recovered.									

BORE LOG DATA SHEET

BORE HOLE NO. 34

Co-ordinates E=(-)569.000
N=(-)262.000

Field Test	Nos	Samples	Nos	Commencement Date : 12/10/15
Penetrometer (SPT)	7	Undisturbed (UDS)	1	Completion Date : 14/10/15
Cone (Pc)		Penetrometer (SPT)	7	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	8	Level Of Ground : 139.33 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 1.2 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m								DS-1	0.50
Stiff, yellowish brown, silty clay with sand mixture & kankar.		3	4	5		9		SPT-1	1.00-1.45
								DS-2	1.70
								UDS-1	2.00-2.45
								DS-3	2.60
3.00m						32		SPT-2	3.00-3.45
Dense, yellowish grey, silty sand.		11	13	19		50		DS-4	3.60
		11	21	29				SPT-3	4.00-4.45
5.00m						76		DS-5	4.70
Very dense, brownish yellow / light grey, silty sand with calcareous nodules.		23	36	40				SPT-4	5.00-5.45
						>100		DS-6	5.60
		32	100					SPT-5	6.00-6.20
7.00m						>100	5.0 cm Pentn.	DS-7	6.70
Very dense, brownish yellow, silty sand.		100						SPT-6	7.00-7.09
						9.0 cm Pentn.		DS-8	7.60
8.00m						>100		SPT-7	8.00-8.08
Highly weathered, brownish yellow, medium grained, highly to moderately fractured rock.						8.0 cm Pentn.		R1	8.00 CR=25% RQD=NIL
								R2	8.75 CR=26% RQD=NIL
								R3	9.50 CR=26% RQD=NIL
								R4	10.25 CR=27% RQD=NIL
								R5	11.00 CR=28% RQD=NIL
								R6	11.75 CR=30% RQD=15%
								R7	12.50 CR=37% RQD=14%
13.00m									

NX rotary drilling from 8.00m to 25.00m

BORE LOG DATA SHEET

BORE HOLE NO. 34

Co-ordinates E=(-)569.000
N=(-)262.000

Field Test	Nos	Samples	Nos	Commencement Date : 12/10/15
Penetrometer (SPT)	7	Undisturbed (UDS)	1	Completion Date : 14/10/15
Cone (Pc)		Penetrometer (SPT)	7	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	8	Level Of Ground : 139.33 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 1.2 m.

DESCRIPTION	SYMBOL	N-VALUE							SAMPLES	
		EACH DIVN. = 15cm.							Ref. No	Depth (m)
Highly weathered, brownish yellow, medium grained, highly to moderately fractured rock.									R8	13.00m 13.25m 13.25 CR=41% RQD=18% 14.00 CR=44% RQD=17% 14.75 CR=40% RQD=17% 15.50 CR=41% RQD=37% 16.25 CR=42% RQD=18% 17.00 CR=41% RQD=35% 17.75 CR=56% RQD=32% 18.50 CR=57% RQD=32% 19.25 CR=58% RQD=55% 20.00 CR=45% RQD=21% 20.75 CR=49% RQD=36% 21.50 CR=81% RQD=32% 22.25 CR=92% RQD=42% 23.00 CR=82% RQD=30% 23.75 CR=81% RQD=60% 24.50 CR=85% RQD=39% 25.00
Moderately weathered, brownish yellow, medium to fine grained, moderately fractured rock.									R9	
									R10	
									R11	
									R12	
									R13	
									R14	
									R15	
									R16	
									R17	
									R18	
									R19	
									R20	
									R21	
									R22	
									R23	
Fresh, brownish yellow, medium to fine grained, moderately to slightly fractured rock.										

Job No : 3576

Created by : Chandrani

Created on : 30/10/2015

Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. 35

Co-ordinates E=(-)609.000
N=(-)137.000

Field Test	Nos	Samples	Nos	Commencement Date : 15/10/15
Penetrometer (SPT)	6	Undisturbed (UDS)	1	Completion Date : 16/10/15
Cone (Pc)		Penetrometer (SPT)	6	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	8	Level Of Ground : 139.676 m.
		Water Sample (WS)	1	Water Struck At :
				Standing Water Level : 1.2 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m									
Very stiff, deep brownish grey, silty clay with sand mixture & kankar.								DS-1	0.50
		8	9	10		19		SPT-1	1.00-1.45
								WS-1	1.20
								DS-2	1.70
3.00m								UDS-1	2.00-2.45
								DS-3	2.60
Medium dense, yellowish brown, silty sand / sandy silt with kankars.		7	10	12		22		SPT-2	3.00-3.45
4.00m								DS-4	3.70
		100				>100		SPT-3	4.00-4.12
Hard, brownish yellow, silty clay with grey patches & calcareous nodules.				12.0	cm	Pentn.		DS-5	4.60
5.00m								SPT-4	5.00-5.10
		100				>100		DS-6	5.70
Very dense, brownish yellow, silty sand with steel grey patches.				10.0	cm	Pentn.		SPT-5	6.00-6.09
		100				>100		DS-7	6.60
				9.0	cm	Pentn.		*SPT-6	7.00-7.07
7.00m						>Refusal		R1	CR=25% RQD=NIL
				7.0	cm	Pentn.			7.75
								R2	CR=28% RQD=NIL
									8.50
								R3	CR=39% RQD=NIL
									9.25
								R4	CR=36% RQD=NIL
									10.00
10.75m								R5	CR=40% RQD=NIL
									10.75
Moderately weathered, brownish yellow, medium to fine grained, highly to moderately fractured rock.								R6	CR=45% RQD=NIL
									11.50
								R7	CR=55% RQD=40%
									12.25
13.00m								R8	CR=44% RQD=NIL
									13.00

NX rotary drilling from
7.00m to 25.00m

Sheet No:

BORE HOLE NO. 35

Co-ordinates	E=(-)609.000 N=(-)137.000
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DESCRIPTION	SYMBOL	N-VALUE							SAMPLES		
		EACH DIVN. = 15cm.							Ref. No	Depth (m)	
Moderately weathered, brownish yellow, medium to fine grained, highly to moderately fractured rock.	13.00m									R9	CR=46% RQD=NIL
											13.75
										R10	CR=48% RQD=32%
											14.50
										R11	CR=44% RQD=NIL
											15.25
										R12	CR=45% RQD=40%
											16.00
										R13	CR=48% RQD=NIL
											16.75
										R14	CR=42% RQD=NIL
											17.50
										R15	CR=41% RQD=NIL
											18.25
										R16	CR=44% RQD=NIL
											19.00
										R17	CR=47% RQD=NIL
											19.75
										R18	CR=41% RQD=NIL
											20.50
										R19	CR=44% RQD=22%
											21.25
										R20	CR=49% RQD=21%
											22.00
									R21	CR=51% RQD=NIL	
										22.75	
									R22	CR=47% RQD=NIL	
										23.50	
									R23	CR=48% RQD=NIL	
										24.25	
									R24	CR=52% RQD=NIL	
										25.00	
25.00m											
N.B. — '*' means sample could not be recovered.											

Job No : 3576

Created by : Chandrani

Created on : 15/10/2015

Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. 36

Co-ordinates E=345.000
N=(-)262.000

Field Test	Nos	Samples	Nos	Commencement Date : 02/10/15
Penetrometer (SPT)	8	Undisturbed (UDS)	2	Completion Date : 06/10/15
Cone (Pc)		Penetrometer (SPT)	8	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	9	Level Of Ground : 144.561 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 1.95 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m								DS-1	0.50
Medium, brownish grey, silty clay. Obs. kankars & sand mixture.		3	3	2		5		SPT-1	1.00-1.45
								DS-2	1.75
2.00m								UDS-1	2.00-2.45
								DS-3	2.80
Very stiff, yellowish brown, silty clay. Obs. calcareous nodules & kankars.		5	10	13		23		SPT-2	3.00-3.45
								DS-4	3.75
								UDS-2	4.00-4.30
								DS-5	4.75
5.00m		22	33	45		78		SPT-3	5.00-5.45
								DS-6	5.70
		14	28	50		≥100		SPT-4	6.00-6.40
								DS-7	6.75
Hard, yellowish brown, silty clay & decomposed rock.		46	50			≥100		SPT-5	7.00-7.24
								DS-8	7.65
		48	50			≥100		SPT-6	8.00-8.21
								DS-9	8.60
		52				≥100		SPT-7	9.00-9.08
9.25m		50				≥100		SPT-8	9.25-9.31
								R1	CR=29% RQD=NIL
								R2	CR=35% RQD=NIL
								R3	CR=39% RQD=NIL
								R4	CR=49% RQD=NIL
								R5	CR=43% RQD=NIL
13.00m									13.00

NX rotary drilling from
9.25m to 30.00m

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana

CETEST

Job No : 3576


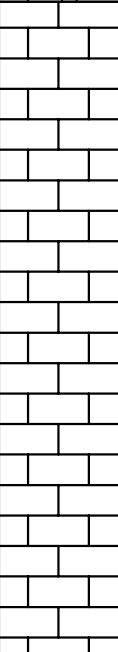
Created by : Chandrani

Created on : 15/10/2015

Sheet No:

BORE LOG DATA SHEET**BORE HOLE NO. 36**Co-ordinates E=345.000
N=(-)262.000

Field Test	Nos	Samples	Nos	Commencement Date : 02/10/15
Penetrometer (SPT)	8	Undisturbed (UDS)	2	Completion Date : 06/10/15
Cone (Pc)		Penetrometer (SPT)	8	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	9	Level Of Ground : 144.561 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 1.95 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
Highly to moderately weathered, deep grey to light yellowish grey, medium grained, highly fractured rock.								R6	CR=39% RQD=NIL 13.75
								R7	CR=43% RQD=NIL 14.50
								R8	CR=35% RQD=NIL 15.25
								R9	CR=37% RQD=NIL 16.00
								R10	CR=47% RQD=NIL 16.75
								R11	CR=43% RQD=19% 17.50
								R12	CR=36% RQD=NIL 18.25
								R13	CR=40% RQD=NIL 19.00
								R14	CR=34% RQD=NIL 19.75
								R15	CR=64% RQD=NIL 20.50
								R16	CR=68% RQD=NIL 21.25
								R17	CR=65% RQD=NIL 22.00
								R18	CR=62% RQD=NIL 22.75
								R19	CR=76% RQD=NIL 23.50
Slightly weathered, light yellowish grey to deep grey, medium grained, highly fractured rock.								R20	CR=79% RQD=NIL 24.25
								R21	CR=78% RQD=NIL 25.00

BORE HOLE NO. 37

Co-ordinates	E=345.000 N=(-)217.000
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BH-37/Sheet-1

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana

CETEST

Job No : 3576

Created by : Chandrani

Created on : 14/10/2015

Sheet No:

BORE LOG DATA SHEET**BORE HOLE NO. 37**Co-ordinates E=345.000
N=(-)217.000

Field Test	Nos	Samples	Nos	Commencement Date : 27/09/15
Penetrometer (SPT)	7	Undisturbed (UDS)	2	Completion Date : 02/10/15
Cone (Pc)		Penetrometer (SPT)	7	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	8	Level Of Ground : 144.722 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 2.1 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
13.00m Highly to moderately weathered, light yellowish grey, medium grained, highly fractured rock.								R7	CR=49% RQD=NIL 13.50
								R8	CR=46% RQD=NIL 14.25
14.25m								R9	CR=56% RQD=19% 15.00
								R10	CR=64% RQD=21% 15.75
								R11	CR=72% RQD=29% 16.50
								R12	CR=73% RQD=NIL 17.25
								R13	CR=68% RQD=37% 18.00
								R14	CR=69% RQD=19% 18.75
								R15	CR=80% RQD=52% 19.50
								R16	CR=64% RQD=NIL 20.25
								R17	CR=78% RQD=NIL 21.00
								R18	CR=68% RQD=NIL 21.75
								R19	CR=64% RQD=NIL 22.50
								R20	CR=60% RQD=21% 23.25
								R21	CR=68% RQD=NIL 24.00
								R22	CR=62% RQD=23% 25.00
25.00m									

BORE LOG DATA SHEET

BORE HOLE NO. 38

Co-ordinates E=425.000
N=(-)217.000

Field Test	Nos	Samples	Nos	Commencement Date : 23/09/15
Penetrometer (SPT)	7	Undisturbed (UDS)	2	Completion Date : 27/09/15
Cone (Pc)		Penetrometer (SPT)	7	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	9	Level Of Ground : 144.997 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 2.65 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m								DS-1	0.50
Medium dense, yellowish grey, silty sand.		4	5	6	11			SPT-1	1.00-1.45
								DS-2	1.75
								UDS-1	2.00-2.45
2.80m		4	7	9	16			DS-3	2.80
Very stiff, light grey, silty clay with sand mixure.								SPT-2	3.00-3.45
								DS-4	3.75
								UDS-2	4.00-4.35
4.70m		21	32	45	77			DS-5	4.70
Very dense, yellowish grey to whitish grey, silty medium to coarse grained sand. Obs. kankars & calcareous nodules.								SPT-3	5.00-5.45
		30	50		≥100			DS-6	5.75
				10.0	cm Pentn.			SPT-4	6.00-6.25
		47	50		≥100			DS-7	6.60
7.80m				5.0	cm Pentn.			SPT-5	7.00-7.20
Hard, whitish grey to yellowish grey, silty clay with decomposed rock.								DS-8	7.70
		30	45	50	≥100			SPT-6	8.00-8.34
				4.0	cm Pentn.			DS-9	8.60
		52			≥100			SPT-7	9.00-9.08
9.00m				8.0	cm Pentn.			R1	9.00
Highly to moderately weathered, deep grey to light yellowish grey, medium grained, highly fractured rock.									CR=25% RQD=NIL
								R2	9.75
									CR=31% RQD=NIL
								R3	10.50
									CR=33% RQD=NIL
								R4	11.25
									CR=28% RQD=NIL
								R5	12.00
									CR=40% RQD=NIL
								R6	12.75
									CR=28% RQD=NIL
								R7	13.50
									CR=31% RQD=NIL
								R8	14.25
									CR=32% RQD=NIL
15.50m								R9	15.00
									CR=39% RQD=NIL

NX rotary drilling from 9.00m to 25.00m

BORE LOG DATA SHEET

BORE HOLE NO. 38

Co-ordinates E=425.000
N=(-)217.000

Field Test	Nos	Samples	Nos	Commencement Date : 23/09/15
Penetrometer (SPT)	7	Undisturbed (UDS)	2	Completion Date : 27/09/15
Cone (Pc)		Penetrometer (SPT)	7	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	9	Level Of Ground : 144.997 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 2.65 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
15.50m									
Highly to moderately weathered, deep grey to light yellowish grey, medium grained, highly fractured rock.								R10	15.75 CR=47% RQD=NIL
								R11	16.50 CR=52% RQD=23%
								R12	17.25 CR=33% RQD=NIL
								R13	18.00 CR=35% RQD=19%
								R14	18.75 CR=45% RQD=27%
								R15	19.50 CR=49% RQD=31%
								R16	20.25 CR=48% RQD=NIL
								R17	21.00 CR=41% RQD=NIL
								R18	21.75 CR=40% RQD=NIL
								R19	22.50 CR=42% RQD=NIL
20.25m								R20	23.25 CR=35% RQD=NIL
Moderately weathered, reddish grey to light yellowish grey, medium grained, highly fractured rock.								R21	24.00 CR=57% RQD=44%
								R22	24.75 CR=56% RQD=NIL
								R23	25.50 CR=41% RQD=15%
								R24	26.25 CR=50% RQD=31%
								R25	27.00 CR=57% RQD=13%
								R26	27.75 CR=80% RQD=63%
								R27	28.50 CR=51% RQD=32%
								R28	29.25 CR=50% RQD=33%
									30.00
24.00m									
Moderately to slightly weathered, light yellowish grey, fine grained, moderately fractured rock.									
30.00m									

BORE HOLE NO. 39

Co-ordinates	E=425.000 N=(-)177.000
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[illegible]

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana

CETEST

Job No : 3576

Created by : Chandrani

Created on : 01/10/2015

Sheet No:

BORE LOG DATA SHEET**BORE HOLE NO. 39**Co-ordinates E=425.000
N=(-)177.000

Field Test	Nos	Samples	Nos	Commencement Date : 18/09/15
Penetrometer (SPT)	5	Undisturbed (UDS)	2	Completion Date : 21/09/15
Cone (Pc)		Penetrometer (SPT)	5	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	7	Level Of Ground : 144.915 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 2.7 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
15.50m Highly / moderately weathered, whitish grey to brownish grey, highly fractured rock.								R12	CR=40% RQD=19% 16.00
16.75m								R13	CR=38% RQD=NIL 16.75
Moderately weathered, brownish grey, medium grained, fractured rock.								R14	CR=48% RQD=19% 17.50
18.25m								R15	CR=44% RQD=NIL 18.25
								R16	CR=56% RQD=13% 19.00
								R17	CR=53% RQD=40% 19.75
								R18	CR=52% RQD=16% 20.50
								R19	CR=67% RQD=NIL 21.25
								R20	CR=57% RQD=20% 22.00
								R21	CR=77% RQD=19% 22.75
								R22	CR=71% RQD=36% 23.50
								R23	CR=67% RQD=NIL 24.25
								R24	CR=67% RQD=35% 25.00
								R25	CR=80% RQD=28% 25.75
								R26	CR=67% RQD=45% 26.50
								R27	CR=52% RQD=40% 27.25
								R28	CR=63% RQD=NIL 28.00
								R29	CR=57% RQD=16% 28.75
								R30	CR=55% RQD=NIL 29.50
30.00m								R31	CR=52% RQD=12% 30.00
N.B. — '*' means sample could not be recovered.									

BORE LOG DATA SHEET

BORE HOLE NO. 40

Co-ordinates E=425.000
N=(-)137.000

Field Test	Nos	Samples	Nos	Commencement Date : 07/10/15
Penetrometer (SPT)	9	Undisturbed (UDS)	2	Completion Date : 12/10/15
Cone (Pc)		Penetrometer (SPT)	9	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	10	Level Of Ground : 144.561 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 2.1 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m Brownish grey, silty clay with sand mixture. Obs. kankars & calcareous nodules.									
0.50m						12		DS-1	0.50
Stiff, deep grey, silty clay. Obs. sand mixture.		3	5	7				SPT-1	1.00-1.45
								DS-2	1.75
								UDS-1	2.00-2.45
2.80m						22		DS-3	2.80
Medium dense, yellowish grey, silty sand.		5	6	16				SPT-2	3.00-3.45
								DS-4	3.75
								*UDS-2	4.00-4.45
4.75m						57		DS-5	4.75
Very dense, yellowish grey, silty sand.		13	29	28				SPT-3	5.00-5.45
								DS-6	5.70
5.70m						78		SPT-4	6.00-6.45
Hard, light yellowish grey, silty clay with decomposed rock.		18	31	47				DS-7	6.75
						>100		SPT-5	7.00-7.12
		52				Refusal		*SPT-6	7.25-7.32
7.25m		50				7.0 cm Pentn.		R1	CR=29% RQD=NIL
Highly to moderately weathered, yellowish grey, medium grained, highly fractured rock.		NX rotary drilling from 7.25m to 30.00m						R2	CR=35% RQD=NIL
								R3	CR=44% RQD=NIL
								R4	CR=41% RQD=NIL
								R5	CR=48% RQD=NIL
								R6	CR=50% RQD=NIL
								R7	CR=46% RQD=NIL
								R8	CR=50% RQD=NIL
								R9	CR=48% RQD=NIL
								R10	CR=46% RQD=NIL
								R11	CR=41% RQD=NIL
15.50m									15.50

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana

CETEST

Job No : 3576

Created by : Chandrani

Created on : 30/10/2015

Sheet No:

BORE LOG DATA SHEET**BORE HOLE NO. 40**Co-ordinates E=425.000
N=(-)137.000

Field Test	Nos	Samples	Nos	Commencement Date : 07/10/15
Penetrometer (SPT)	9	Undisturbed (UDS)	2	Completion Date : 12/10/15
Cone (Pc)		Penetrometer (SPT)	9	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	10	Level Of Ground : 144.561 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 2.1 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
15.50m Moderately weathered, yellowish grey, medium grained, highly fractured rock.								R12	CR=54% RQD=NIL
								R13	CR=60% RQD=25%
17.00m								R14	CR=NIL RQD=NIL
								DS-8	CR=NIL RQD=NIL
Completely weathered, medium grained, decomposed & disintegrated rock particles collected as sludge.		50	>100	9.0	cm	Pentn.		SPT-7	CR=NIL RQD=NIL
		50	>100	8.0	cm	Pentn.		DS-9	CR=NIL RQD=NIL
19.25m		50	Refusal					SPT-8	CR=NIL RQD=NIL
								DS-10	CR=NIL RQD=NIL
								*SPT-9	CR=35% RQD=NIL
								R17	CR=37% RQD=NIL
								R18	CR=40% RQD=NIL
								R19	CR=41% RQD=NIL
								R20	CR=43% RQD=NIL
Highly to moderately weathered, light yellowish grey, medium grained, highly fractured rock.								R21	CR=48% RQD=NIL
								R22	CR=40% RQD=NIL
								R23	CR=48% RQD=NIL
								R24	CR=51% RQD=NIL
25.25m								R25	CR=58% RQD=35%
								R26	CR=59% RQD=31%
								R27	CR=58% RQD=NIL
								R28	CR=58% RQD=NIL
								R29	CR=58% RQD=NIL
								R30	CR=58% RQD=NIL
30.00m									

N.B. — '*' means sample could not be recovered.

Job No : 3576

Created by : Chandrani

Created on : 30/10/2015

Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. 41

Co-ordinates E=425.000
N=(-)97.000

Field Test	Nos	Samples	Nos	Commencement Date : 11/10/15
Penetrometer (SPT)	5	Undisturbed (UDS)	2	Completion Date : 14/10/15
Cone (Pc)		Penetrometer (SPT)	5	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	6	Level Of Ground : 144.647 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 3.0 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m								DS-1	0.50
Stiff, brownish grey to greyish brown, silty clay. Obs. sand mixture & calcareous nodules.		4	6	7	13			SPT-1	1.00-1.45
								DS-2	1.70
								UDS-1	2.00-2.45
2.70m					46			DS-3	2.70
Hard, brownish grey to greyish brown, silty clay. Obs. sand mixture & calcareous nodules.		10	19	27				SPT-2	3.00-3.45
								DS-4	3.65
								*UDS-2	4.00-4.11
4.50m					68			DS-5	4.50
Hard, whitish grey, silty clay with sand mixture.		16	28	40				SPT-3	5.00-5.45
								DS-6	5.70
		38	100		≥100			SPT-4	6.30-6.50
6.70m		100			5.0 cm Pentn.			*SPT-5	6.70-6.73
					Refusal			R1	CR=30% RQD=NIL
					3.0 cm Pentn.			R2	CR=32% RQD=NIL
Highly weathered, light brownish grey to reddish brown, fine grained rock.								R3	CR=33% RQD=18%
								R4	CR=36% RQD=NIL
8.75m								R5	CR=33% RQD=NIL
								R6	CR=38% RQD=NIL
								R7	CR=40% RQD=NIL
								R8	CR=38% RQD=NIL
Highly to moderately weathered, reddish brown to brownish grey, fine to medium grained, moderately fractured rock. Obs. laminated sandstone.								R9	CR=38% RQD=NIL
								R10	CR=50% RQD=NIL
								R11	CR=40% RQD=NIL
								R12	CR=421% RQD=NIL
15.50m									15.50

BORE LOG DATA SHEET

BORE HOLE NO. 41

Co-ordinates E=425.000
N=(-)97.000

Field Test	Nos	Samples	Nos	Commencement Date : 11/10/15
Penetrometer (SPT)	5	Undisturbed (UDS)	2	Completion Date : 14/10/15
Cone (Pc)		Penetrometer (SPT)	5	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	6	Level Of Ground : 144.647 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 3.0 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
15.50m								R13	CR=43% RQD=14%
								R14	CR=46% RQD=NIL
								R15	CR=30% RQD=NIL
								R16	CR=40% RQD=NIL
								R17	CR=43% RQD=NIL
								R18	CR=45% RQD=14%
								R19	CR=46% RQD=32%
								R20	CR=32% RQD=NIL
								R21	CR=45% RQD=NIL
								R22	CR=48% RQD=33%
								R23	CR=37% RQD=NIL
								R24	CR=33% RQD=20%
								R25	CR=53% RQD=45%
								R26	CR=42% RQD=34%
								R27	CR=46% RQD=13%
								R28	CR=54% RQD=NIL
								R29	CR=45% RQD=28%
								R30	CR=48% RQD=14%
								R31	CR=60% RQD=NIL
20.75m									
23.75m									
29.00m									
30.00m									

Highly to moderately weathered, reddish brown to brownish grey, fine to medium grained, moderately fractured rock. Obs. laminated sandstone.

Highly to moderately weathered, whitish grey to brownish grey, medium to coarse grained rock.

Highly to moderately weathered, reddish brown to brownish grey, fine grained, fractured rock.

Slightly weathered, reddish brown to brownish grey, fine grained, fractured rock.

N.B. — '*' means sample could not be recovered.

BORE LOG DATA SHEET

BORE HOLE NO. 42

Co-ordinates E=425.000
N=(-)57.000

Field Test	Nos	Samples	Nos	Commencement Date : 06/10/15
Penetrometer (SPT)	5	Undisturbed (UDS)	2	Completion Date : 10/10/15
Cone (Pc)		Penetrometer (SPT)	5	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	5	Level Of Ground : 145.194 m.
		Water Sample (WS)	1	Water Struck At :
				Standing Water Level : 2.8 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m								DS-1	0.50
Very stiff, brownish grey to greyish brown, silty clay with sand mixture. Obs. calcareous nodules.		8	9	11				SPT-1	1.00-1.45
					20			DS-2	1.70
								UDS-1	2.00-2.45
					30			DS-3	2.70
3.45m		8	13	17				WS-1	2.80
Dense, brownish grey, silty sand with traces of clay binder.					44			SPT-2	3.00-3.45
								*UDS-2	4.00-4.45
5.50m		13	15	29				SPT-3	5.00-5.45
Hard, reddish brown, silty clay with sand mixture.		55			≥100			DS-4	5.70
					12.0 cm Pentn.			SPT-4	6.00-6.12
6.30m		50			≥100			*SPT-5	6.30-6.32 6.30
Highly to moderately weathered, reddish brown to reddish grey, fine grained, highly fractured rock.					2.0 cm Pentn.			R1	CR=35% RQD=NIL
								R2	CR=36% RQD=NIL
								R3	CR=40% RQD=NIL
								R4	CR=50% RQD=NIL
								R5	CR=46% RQD=NIL
								R6	CR=50% RQD=NIL
								R7	CR=38% RQD=NIL
								R8	CR=38% RQD=NIL
								R9	CR=38% RQD=NIL
								R10	CR=50% RQD=NIL
								R11	CR=45% RQD=NIL
								R12	CR=56% RQD=32%
15.25m									15.25
15.50m									15.25

NX rotary drilling from
6.30m to 30.00m

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana

CETEST

Job No : 3576

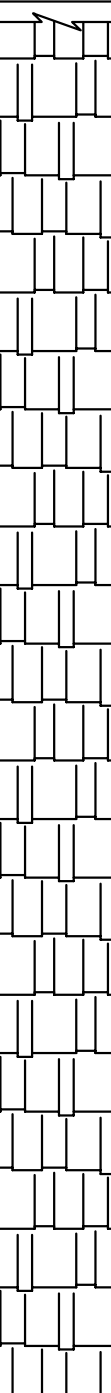
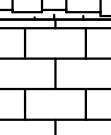
Created by : Chandrani

Created on : 30/10/2015

Sheet No:

BORE LOG DATA SHEET**BORE HOLE NO. 42**Co-ordinates E=425.000
N=(-)57.000

Field Test	Nos	Samples	Nos	Commencement Date : 06/10/15
Penetrometer (SPT)	5	Undisturbed (UDS)	2	Completion Date : 10/10/15
Cone (Pc)		Penetrometer (SPT)	5	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	5	Level Of Ground : 145.194 m.
		Water Sample (WS)	1	Water Struck At : Standing Water Level : 2.8 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
Highly to moderately weathered, brownish grey, fine grained, moderately fractured rock. Obs. reddish spots.								R13	CR=44% RQD=20% 16.00
								R14	CR=39% RQD=NIL 16.75
								R15	CR=46% RQD=NIL 17.50
								R16	CR=58% RQD=33% 18.25
								R17	CR=40% RQD=22% 19.00
								R18	CR=49% RQD=34% 19.75
								R19	CR=36% RQD=22% 20.50
								R20	CR=32% RQD=14% 21.25
								R21	CR=37% RQD=NIL 22.00
								R22	CR=34% RQD=NIL 22.75
								R23	CR=44% RQD=20% 23.50
								R24	CR=40% RQD=NIL 24.25
								R25	CR=46% RQD=NIL 25.00
								R26	CR=50% RQD=24% 25.75
								R27	CR=41% RQD=17% 26.50
								R28	CR=42% RQD=26% 27.25
								R29	CR=32% RQD=18% 28.00
								R30	CR=40% RQD=NIL 28.75
								R31	CR=54% RQD=NIL 29.50
								R32	CR=56% RQD=26% 30.00
Moderately weathered, brownish grey, fine grained, moderately fractured rock. Obs. reddish spots.									
N.B. — '*' means sample could not be recovered.									

BORE LOG DATA SHEET

BORE HOLE NO. 43

Co-ordinates E=465.000
N=(-)177.000

Field Test	Nos	Samples	Nos	Commencement Date : 22/09/15
Penetrometer (SPT)	7	Undisturbed (UDS)	2	Completion Date : 25/09/15
Cone (Pc)		Penetrometer (SPT)	7	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	8	Level Of Ground : 144.767 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 2.7 m.

DESCRIPTION	SYMBOL	N-VALUE					SAMPLES	
		EACH DIVN. = 15cm.					Ref. No	Depth (m)
0.00m Very stiff, silty clay. Obs. kankars, rusty sptos.		5	7	9	16		DS-1	0.50
							SPT-1	1.00-1.45
1.75m							DS-2	1.75
							UDS-1	2.00-2.45
Hard, deep grey, silty clay with sand mixture. Obs. kankars & calcareous nodules.		13	19	23	42		DS-3	2.75
							SPT-2	3.00-3.45
							DS-4	3.80
							*UDS-2	4.00-4.09
5.00m		14	19	22	41		SPT-3	4.50-4.95
Very dense, greyish brown, silty sand. Obs. kankars.		11	21	51	>100		DS-5	5.20
5.50m							SPT-4	5.50-5.83
							DS-6	6.30
		34	51		>100		SPT-5	6.50-6.75
Hard, dark grey to grey, silty clay.							DS-7	7.20
		39	52		>100		SPT-6	7.50-7.71
							DS-8	8.00
8.50m		52			>100		SPT-7	8.50-8.59
							R1	8.50
								CR=25% RQD=NIL
								9.25
							R2	
								CR=32% RQD=NIL
								10.00
							R3	
								CR=31% RQD=NIL
								10.75
							R4	
								CR=35% RQD=NIL
								11.50
							R5	
								CR=48% RQD=NIL
								12.25
							R6	
								CR=43% RQD=19%
								13.00
13.00m							R7	
Highly weathered, whitish grey, medium grained, highly fractured rock.								CR=36% RQD=13%
								13.75
							R8	
								CR=30% RQD=NIL
								14.50
							R9	
								CR=36% RQD=NIL
								15.25
15.25m Highly to moderately weathered, deep grey, medium to fine grained, highly fractured rock.								15.50m

NX rotary drilling from
8.00m to 30.00m

BORE LOG DATA SHEET

BORE HOLE NO. 43

Co-ordinates E=465.000
N=(-)177.000

Field Test	Nos	Samples	Nos	Commencement Date : 22/09/15
Penetrometer (SPT)	7	Undisturbed (UDS)	2	Completion Date : 25/09/15
Cone (Pc)		Penetrometer (SPT)	7	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	8	Level Of Ground : 144.767 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 2.7 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
<div>15.50m</div> <div>Highly to moderately weathered, deep grey, medium to fine grained, highly fractured rock.</div>								R10	CR=43% RQD=20% 16.00
								R11	CR=37% RQD=27% 16.75
								R12	CR=40% RQD=20% 17.50
<div>17.50m</div> <div>Moderately weathered, deep grey to reddish grey, medium grained, highly fractured rock.</div>								R13	CR=42% RQD=NIL 18.25
								R14	CR=47% RQD=NIL 19.00
								R15	CR=41% RQD=16% 19.75
<div>19.75m</div> <div>Moderately weathered, deep grey to reddish grey, medium grained, highly fractured rock.</div>								R16	CR=51% RQD=NIL 20.50
								R17	CR=56% RQD=NIL 21.25
								R18	CR=58% RQD=NIL 22.00
<div>22.75m</div> <div>Slightly weathered, light yellowish grey, fine grained, highly to moderately fractured rock.</div>								R19	CR=66% RQD=19% 22.75
								R20	CR=80% RQD=NIL 23.50
								R21	CR=50% RQD=NIL 24.25
<div>25.00m</div> <div>Moderately weathered, light yellowish grey, fine grained, highly to moderately fractured rock.</div>								R22	CR=70% RQD=28% 25.00
								R23	CR=44% RQD=24% 25.75
								R24	CR=46% RQD=21% 26.50
								R25	CR=40% RQD=NIL 27.25
								R26	CR=65% RQD=56% 28.00
								R27	CR=60% RQD=51% 28.75
								R28	CR=41% RQD=NIL 29.50
								R29	CR=42% RQD=NIL 30.00
<div>30.00m</div> <div>N.B. — '*' means sample could not be recovered.</div>									

Job No : 3576

Created by : Chandrani

Created on : 23/10/2015

Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. 44

Co-ordinates E=465.000
N=(-)137.000

Field Test	Nos	Samples	Nos	Commencement Date : 25/09/15
Penetrometer (SPT)	8	Undisturbed (UDS)	2	Completion Date : 28/09/15
Cone (Pc)		Penetrometer (SPT)	8	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	8	Level Of Ground : 145.396 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 2.6 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
Brownish grey, silty clay with sand. Obs. kankars & calcareous nodules.								DS-1	0.50
		4	6	7	13			SPT-1	1.00-1.45
Stiff to very stiff, deep grey, silty clay.								DS-2	1.75
		7	11	14	25			UDS-1	2.00-2.45
								DS-3	2.80
								SPT-2	3.00-3.45
Very dense, yellowish grey, silty sand. Obs. kanakrs.		13	19	37	56			DS-4	3.75
								*UDS-2	4.00-4.09
								SPT-3	4.50-4.95
Very dense, brownish grey, silty sand. Obs. kankars.		45	50		>100			DS-5	5.50
								SPT-4	6.00-6.19
Hard, dark grey to reddish grey, silty sand.		50			>100	4.0 cm Pentn.		DS-6	6.60
		50			>100	12.0 cm Pentn.		SPT-5	7.00-7.12
					>100	8.0 cm Pentn.		SPT-6	7.25-7.33
								R1	7.25-7.33 CR=31% RQD=NIL
								R2	8.00 CR=40% RQD=NIL
								R3	8.75 CR=28% RQD=NIL
								R4	9.50 CR=37% RQD=NIL
								R5	10.25 CR=38% RQD=NIL
								R6	11.00 CR=35% RQD=NIL
								R7	11.75 CR=29% RQD=NIL
								R8	12.50 CR=31% RQD=NIL
								R9	13.25 CR=36% RQD=NIL
								R10	14.00 CR=32% RQD=NIL
								R11	14.75 CR=35% RQD=NIL
Highly weathered, reddish grey to light yellowish grey, medium grained, highly fractured rock.									15.50

NX rotary drilling from
7.25m to 30.00m

BORE LOG DATA SHEET

BORE HOLE NO. 44

Co-ordinates E=465.000
N=(-)137.000

Field Test	Nos	Samples	Nos	Commencement Date : 25/09/15
Penetrometer (SPT)	8	Undisturbed (UDS)	2	Completion Date : 28/09/15
Cone (Pc)		Penetrometer (SPT)	8	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	8	Level Of Ground : 145.396 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 2.6 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
15.50m Moderately weathered, whitish grey, medium to coarse grained, moderately fractured rock.								R12	CR=44% RQD=25% 16.25
17.00m								R13	CR=41% RQD=13% 17.00
Highly to moderately weathered, reddish grey to light yellowish grey, highly to moderately fractured rock.								R14	CR=35% RQD=NIL 17.75
								R15	CR=39% RQD=NIL 18.50
								R16	CR=47% RQD=40% 19.25
								R17	CR=48% RQD=NIL 20.00
20.00m								R18	CR=60% RQD=33% 20.75
								R19	CR=58% RQD=19% 21.50
								R20	CR=69% RQD=53% 22.25
								R21	CR=57% RQD=13% 23.00
								R22	CR=53% RQD=NIL 23.75
								R23	CR=57% RQD=NIL 24.50
								R24	CR=60% RQD=NIL 25.25
								R25	CR=55% RQD=NIL 26.00
								R26	CR=68% RQD=17% 26.75
								R27	CR=63% RQD=44% 27.50
27.50m								R28	CR=NIL RQD=NIL 28.25
Completely weathered, coarse grained, decomposed & disintegrated rock particle collected as sludge. Obs. mica.		52	Refusal					DS-7 *SPT-7	28.25-28.28
		50	Refusal					R29	CR=NIL RQD=NIL 29.00
								DS-8 *SPT-8	29.00-29.03
								R30	CR=NIL RQD=NIL 30.00
30.00m									
N.B. - '*' means sample could not be recovered.									

Job No : 3576

Created by : Chandrani

Created on : 23/10/2015

Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. 45

Co-ordinates E=465.000
N=(-)57.000

Field Test	Nos	Samples	Nos	Commencement Date : 29/09/15
Penetrometer (SPT)	8	Undisturbed (UDS)	2	Completion Date : 02/10/15
Cone (Pc)		Penetrometer (SPT)	8	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	8	Level Of Ground : 145.36 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 2.2 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m Brownish grey, silty clay. Obs. calcareous nodules.								DS-1	0.50
0.50m						13		SPT-1	1.00-1.45
Stiff, deep brownish grey, brownish grey, silty clay. Obs. kankars & sand mixture.		4	6	7				DS-2	1.75
								UDS-1	2.00-2.45
2.80m						52		DS-3	2.80
Hard, reddish grey to deep grey, silty clay with sand. Obs. calcareous nodules.		7	17	35				SPT-2	3.00-3.45
								DS-4	3.75
								*UDS-2	4.00-4.08
5.00m		22	42	50		>100		SPT-3	4.50-4.88
Hard, reddish grey to deep grey, silty clay with sand mixture.						8.0 cm Pentn.		DS-5	5.40
6.25m		30	50			>100		SPT-4	6.00-6.20
		50				>100		SPT-5	6.25-6.33
						8.0 cm Pentn.		R1	CR=38% RQD=NIL
								R2	CR=35% RQD=NIL
								R3	CR=48% RQD=NIL
								R4	CR=43% RQD=NIL
								R5	CR=41% RQD=NIL
								R6	CR=48% RQD=NIL
								R7	CR=41% RQD=NIL
								R8	CR=43% RQD=NIL
								R9	CR=45% RQD=NIL
								R10	CR=29% RQD=NIL
								R11	CR=31% RQD=NIL
								R12	CR=NIL RQD=NIL
14.50m Completely weathered, medium grained, decomposed & disintegrated rock particles collected as sludge.						Refusal		*SPT-6	15.25-15.28
15.50m		52				3.0 cm Pentn.			15.25

BORE HOLE NO. 45

Co-ordinates	E=465.000 N=(-)57.000
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DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN.	= 15cm.					Ref. No	Depth (m)
Completely weathered, medium grained, decomposed & disintegrated rock particles collected as sludge. <div style="text-align: right;">15.50m</div>								R13 DS-7 *SPT-7	CR=NIL RQD=NIL 16.00 - 16.04
									↓ 16.00
								R14 DS-8 *SPT-8	CR=NIL RQD=NIL 16.75 - 16.78
									↓ 16.75
Highly to moderately weathered, light yellowish grey to reddish grey, medium to fine grained, highly to moderately fractured rock. <div style="text-align: right;">16.75m</div>								R15	CR=32% RQD=NIL ↓ 17.50
								R16	CR=40% RQD=NIL ↓ 18.25
								R17	CR=42% RQD=NIL ↓ 19.00
Moderately weathered, light yellowish grey to reddish grey, medium to fine grained, highly to moderately fractured rock. <div style="text-align: right;">19.00m</div>								R18	CR=60% RQD=29% ↓ 19.75
								R19	CR=45% RQD=40% ↓ 20.50
								R20	CR=54% RQD=NIL ↓ 21.25
								R21	CR=53% RQD=16% ↓ 22.00
Moderately weathered, light yellowish grey to reddish grey, medium to fine grained, highly to moderately fractured rock. <div style="text-align: right;">22.00m</div>								R22	CR=45% RQD=NIL ↓ 22.75
								R23	CR=65% RQD=NIL ↓ 23.50
								R24	CR=58% RQD=24% ↓ 24.25
								R25	CR=48% RQD=26% ↓ 25.00
								R26	CR=45% RQD=21% ↓ 25.75
								R27	CR=49% RQD=13% ↓ 26.50
								R28	CR=46% RQD=22% ↓ 27.25
Moderately weathered, light yellowish grey to reddish grey, medium to fine grained, highly to moderately fractured rock. <div style="text-align: right;">27.25m</div>								R29	CR=51% RQD=13% ↓ 28.00
								R30	CR=60% RQD=38% ↓ 28.75
								R31	CR=58% RQD=22% ↓ 29.50
N.B. — '*' means sample could not be recovered. <div style="text-align: right;">30.00m</div>								R32	CR=60% RQD=28% ↓ 30.00

BORE HOLE NO. 46

Co-ordinates	E=495.000 N=(-)282.000
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Job No : 3576

Created by : Chandrani

Created on : 30/10/2015

Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. 46

Co-ordinates E=495.000
N=(-)282.000

Field Test	Nos	Samples	Nos	Commencement Date : 21/09/15
Penetrometer (SPT)	12	Undisturbed (UDS)	3	Completion Date : 23/09/15
Cone (Pc)		Penetrometer (SPT)	12	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	13	Level Of Ground : 145.741 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 3.25 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
13.00m Highly to moderately weathered, whitish grey, medium to coarse grained, highly fractured rock.								R5	CR=49% RQD=29% 13.75
14.50m								R6	CR=28% RQD=NIL 14.50
15.25m		52	>100					R7 DS-10 SPT-9	CR=NIL RQD=NIL 15.25-15.37 15.25
16.00m		50	>100	12.0 cm Pentn.				R8 DS-11 SPT-10	CR=NIL RQD=NIL 16.00-16.10 16.00
16.75m		53	>100	10.0 cm Pentn.				R9 DS-12 SPT-11	CR=NIL RQD=NIL 16.75-16.83 16.75
17.50m		52	>100	8.0 cm Pentn.				R10 DS-13 SPT-12	CR=NIL RQD=NIL 17.50-17.58 17.50
18.25m				8.0 cm Pentn.				R11	CR=52% RQD=NIL 18.25
19.00m								R12	CR=48% RQD=NIL 19.00
19.75m								R13	CR=46% RQD=NIL 19.75
20.50m								R14	CR=45% RQD=20% 20.50
21.25m								R15	CR=52% RQD=20% 21.25
22.00m								R16	CR=67% RQD=13% 22.00
22.75m								R17	CR=80% RQD=20% 22.75
23.50m								R18	CR=67% RQD=59% 23.50
24.25m								R19	CR=69% RQD=49% 24.25
25.00m								R20	CR=61% RQD=15% 25.00
N.B. - '*' means sample could not be recovered.									

Job No : 3576

Created by : Chandrani

Created on : 31/10/2015

Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. 47

Co-ordinates E=518.000
N=(-)191.000

Field Test	Nos	Samples	Nos	Commencement Date : 25/09/15
Penetrometer (SPT)	6	Undisturbed (UDS)	2	Completion Date : 28/09/15
Cone (Pc)		Penetrometer (SPT)	6	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	8	Level Of Ground : 145.862 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 3.1 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
Yellowish grey, silty sand / sandy silt with calcareous nodules.								DS-1	0.50
		2	5	6	11			SPT-1	1.00-1.45
Medium dense, deep brownish grey, silty sand with traces of clay binder.								DS-2	1.70
								UDS-1	2.00-2.45
								DS-3	2.75
		6	7	9	16			SPT-2	3.00-3.45
Medium dense, yellowish grey, silty sand / sandy silt with kankar.								DS-4	3.70
								UDS-2	4.00-4.45
								DS-5	4.75
		17	22	39	61			SPT-3	5.00-5.45
Hard, reddish brown, silty clay with grey patches.								DS-6	5.70
		21	32	50	≥100			SPT-4	6.00-6.42
					12.0 cm Pentn.			DS-7	6.75
		53	52		≥100			SPT-5	7.00-7.29
					14.0 cm Pentn.			DS-8	7.70
		52	50		≥100			SPT-6	8.00-8.25
					10.0 cm Pentn.			R1	CR=33% RQD=NIL
		NX rotary drilling from 8.00m to 25.00m						R2	CR=31% RQD=NIL
								R3	CR=29% RQD=NIL
								R4	CR=33% RQD=NIL
								R5	CR=24% RQD=NIL
								R6	CR=24% RQD=NIL
								R7	CR=27% RQD=NIL
Highly weathered, brownish grey, fine grained, highly fractured rock.									

BORE LOG DATA SHEET

BORE HOLE NO. 47

Co-ordinates E=518.000
N=(-)191.000

Field Test	Nos	Samples	Nos	Commencement Date : 25/09/15
Penetrometer (SPT)	6	Undisturbed (UDS)	2	Completion Date : 28/09/15
Cone (Pc)		Penetrometer (SPT)	6	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	8	Level Of Ground : 145.862 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 3.1 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
13.00m									13.25
								R8	CR=33% RQD=NIL
								R9	CR=40% RQD=NIL
								R10	CR=31% RQD=NIL
								R11	CR=27% RQD=NIL
								R12	CR=32% RQD=NIL
								R13	CR=35% RQD=NIL
								R14	CR=25% RQD=NIL
								R15	CR=29% RQD=NIL
								R16	CR=33% RQD=NIL
								R17	CR=68% RQD=37%
								R18	CR=43% RQD=NIL
								R19	CR=43% RQD=NIL
								R20	CR=47% RQD=13%
								R21	CR=47% RQD=14%
								R22	CR=49% RQD=NIL
								R23	CR=59% RQD=13%
25.00m									25.00

Highly weathered, brownish grey, fine grained, highly fractured rock.

Slightly weathered, reddish brown, fine grained, highly fractured rock.

Highly to moderately weathered, reddish brown, fine grained, highly fractured rock.

Job No : 3576

Created by : Chandrani

Created on : 01/10/2015

Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. 48

Co-ordinates E=555.000
N=(-)282.000

Field Test	Nos	Samples	Nos	Commencement Date : 18/09/15
Penetrometer (SPT)	10	Undisturbed (UDS)	2	Completion Date : 21/09/15
Cone (Pc)		Penetrometer (SPT)	10	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	12	Level Of Ground : 145.924 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 3.1 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m Stiff, dark grey to brownish grey, silty clay with traces of sand mixture. Obs. rusy spots.		3	6	7	13			DS-1	0.50
2.10m		5	10	11	21			SPT-1	1.00-1.45
Very stiff, whitish grey to yellowish grey, silty clay. Obs. gravels & kankars.								DS-2	1.75
4.50m		15	24	35	59			UDS-1	2.00-2.45
Hard, whitish grey to yellowish grey, silty clay.		15	33	47	80			DS-3	2.75
7.50m		21	40	50	>100			SPT-2	3.00-3.45
Hard, dark grey to yellowish grey, silty clay with decomposed rock.		32	50		>100			DS-4	3.70
9.00m		50			>100			UDS-2	4.00-4.45
Moderately weathered, light dark grey to yellowish grey, medium to coarse grained rock.								DS-5	4.80
15.50m								SPT-3	5.00-5.45
								DS-6	5.70
								SPT-4	6.00-6.45
								DS-7	6.75
								SPT-5	7.00-7.41
								DS-8	7.80
								SPT-6	8.00-8.23
								DS-9	8.60
								SPT-7	9.00-9.12
								R1	9.00 CR=44% RQD=NIL
								R2	9.75 CR=48% RQD=NIL
								R3	10.50 CR=60% RQD=20%
								R4	11.25 CR=40% RQD=19%
								R5	12.00 CR=52% RQD=NIL
								R6	12.75 CR=57% RQD=NIL
								R7	13.50 CR=42% RQD=NIL
								R8	14.25 CR=47% RQD=NIL
								R9	15.00 CR=52% RQD=NIL

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana

CETEST

Job No : 3576

Created by : Chandrani

Created on : 01/10/2015

Sheet No:

BORE LOG DATA SHEET**BORE HOLE NO. 48**Co-ordinates E=555.000
N=(-)282.000

Field Test	Nos	Samples	Nos	Commencement Date : 18/09/15
Penetrometer (SPT)	10	Undisturbed (UDS)	2	Completion Date : 21/09/15
Cone (Pc)		Penetrometer (SPT)	10	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	12	Level Of Ground : 145.924 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 3.1 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
Moderately weathered, light dark grey to yellowish grey, medium to coarse grained rock.	15.50m 15.75m							R10	CR=56% RQD=45% 15.75
Moderately weathered, yellowish grey to light grey, medium to fine grained rock.	16.50m							R11	CR=33% RQD=13% 16.50
								R12	CR=35% RQD=13% 17.25
								R13	CR=33% RQD=NIL 18.00
Highly weathered, yellowish grey to light grey, medium to fine grained rock.								R14	CR=27% RQD=NIL 18.75
								R15	CR=33% RQD=NIL 19.50
	20.25m							R16	CR=43% RQD=21% 20.25
Highly to moderately weathered, yellowish grey, medium to fine grained rock.								R17	CR=36% RQD=21% 21.00
	21.75m							R18	CR=NIL RQD=NIL 21.75
								DS-10 *SPT-8	22.50-22.5322.50
Completely weathered, decomposed & disintegrated rock particle collected as sludge. Obs. mica.		52	Refusal					R19	CR=NIL RQD=NIL 22.50
		50	Refusal					DS-11 *SPT-9	23.25-23.2723.25
		51	Refusal					R20	CR=NIL RQD=NIL 23.25
								DS-12 *SPT-10	24.00-24.0324.00
								R21	CR=NIL RQD=NIL 24.00
	25.00m								25.00

N.B. - '*' means sample could not be recovered.

BORE LOG DATA SHEET

BORE HOLE NO. 49

Co-ordinates E=(-)37.000
N=(-)282.000

Field Test	Nos	Samples	Nos	Commencement Date : 19/10/15
Penetrometer (SPT)	5	Undisturbed (UDS)	2	Completion Date : 23/10/15
Cone (Pc)		Penetrometer (SPT)	5	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	5	Level Of Ground : 141.873 m.
		Water Sample (WS)	1	Water Struck At :
				Standing Water Level : 1.55 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m								DS-1	0.50
Stiff to very stiff, blackish grey, silty clay with traces of sand mixture.		3	4	6		10		SPT-1	1.00-1.45
								WS-1	1.55
								UDS-1	2.00-2.45
								DS-2	2.60
		7	7	10		17		SPT-2	3.00-3.45
3.50m								DS-3	3.60
Hard, reddish brown to reddish grey, silty clay with sand mixture.								UDS-2	4.00-4.45
5.30m		39	100			>100		SPT-3	5.00-5.25
Hard, brownish grey, silty clay. Obs. decomposed rock.				10.0	cm	Pentn.		DS-4	5.60
		15	28	48		76		SPT-4	6.00-6.45
								DS-5	6.70
7.00m		100				>100		SPT-5	7.00-7.09
Highly weathered, brownish grey to yellowish grey, fine grained, fractured rock. Obs. sandstone.				9.0	cm	Pentn.		R1	7.00 CR=33% RQD=NIL
		NX rotary drilling from 7.00m to 25.00m						R2	7.75 CR=31% RQD=NIL
								R3	8.50 CR=32% RQD=NIL
								R4	9.25 CR=36% RQD=NIL
								R5	10.00 CR=32% RQD=NIL
								R6	10.75 CR=34% RQD=NIL
								R7	11.50 CR=36% RQD=NIL
								R8	12.25 CR=34% RQD=NIL
									13.00

BORE LOG DATA SHEET

BORE HOLE NO. 49

Co-ordinates E=(-)37.000
N=(-)282.000

Field Test	Nos	Samples	Nos	Commencement Date : 19/10/15
Penetrometer (SPT)	5	Undisturbed (UDS)	2	Completion Date : 23/10/15
Cone (Pc)		Penetrometer (SPT)	5	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	5	Level Of Ground : 141.873 m.
		Water Sample (WS)	1	Water Struck At : Standing Water Level : 1.55 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
13.00m Highly weathered, yellowish grey, coarse grained, fractured rock.								R9	CR=39% RQD=12% 13.75
14.00m								R10	CR=36% RQD=NIL 14.50
								R11	CR=37% RQD=NIL 15.25
								R12	CR=36% RQD=NIL 16.00
								R13	CR=32% RQD=NIL 16.75
								R14	CR=33% RQD=NIL 17.50
								R15	CR=36% RQD=NIL 18.25
Highly to moderately weathered, blackish grey to brownish grey, fine grained, fractured rock.								R16	CR=40% RQD=16% 19.00
								R17	CR=36% RQD=12% 19.75
								R18	CR=53% RQD=NIL 20.50
								R19	CR=45% RQD=24% 21.25
								R20	CR=48% RQD=NIL 22.00
								R21	CR=44% RQD=NIL 22.75
22.75m								R22	CR=60% RQD=NIL 23.50
								R23	CR=56% RQD=NIL 24.25
								R24	CR=65% RQD=NIL 25.00
25.00m									

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana

CETEST

Job No : 3576

Created by : Chandrani

Created on : 31/10/2015

Sheet No:

BORE LOG DATA SHEET**BORE HOLE NO. 50**Co-ordinates E=(-)449.000
N=(-)720.000

Field Test	Nos	Samples	Nos	Commencement Date : 17/10/15
Penetrometer (SPT)	5	Undisturbed (UDS)	1	Completion Date : 19/10/15
Cone (Pc)		Penetrometer (SPT)	5	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	4	Level Of Ground : 142.614 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 3.2 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m Very stiff, blackish grey, silty clay with traces of calcareous nodules.								DS-1	0.50
		7	7	9	16			SPT-1	1.00-1.45
								DS-2	1.70
								UDS-1	2.00-2.45
2.50m Very dense, brownish grey to yellowish brown, silty sand. Obs. clay binder & mica.		10	20	32	52			SPT-2	3.00-3.45
								DS-3	4.00
		35	72	100	>100			SPT-3	4.50-4.90
					10.0 cm Pentn.			DS-4	5.30
		59	100		>100			SPT-4	5.50-5.75
					10.0 cm Pentn.				
6.30m		100			>100			SPT-5	6.30-6.38
					8.0 cm Pentn.			R1	6.30 CR=31% RQD=NIL
								R2	7.00 CR=25% RQD=NIL
								R3	7.75 CR=21% RQD=NIL
								R4	8.50 CR=25% RQD=NIL
								R5	9.25 CR=26% RQD=NIL
								R6	10.00 CR=18% RQD=NIL
								R7	10.75 CR=16% RQD=NIL
								R8	11.50 CR=32% RQD=26%
								R9	12.25 CR=33% RQD=NIL
13.00m Highly weathered, brownish grey to greyish brown, medium to coarse grained, fractured rock.									13.00




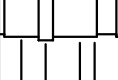






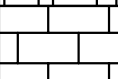
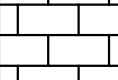
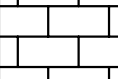
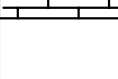
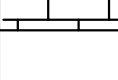

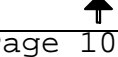
NX rotary drilling from
6.30m to 25.00m

BORE LOG DATA SHEET

BORE HOLE NO. 50

Co-ordinates E=(-)449.000
N=(-)720.000

Field Test	Nos	Samples	Nos	Commencement Date : 17/10/15
Penetrometer (SPT)	5	Undisturbed (UDS)	1	Completion Date : 19/10/15
Cone (Pc)		Penetrometer (SPT)	5	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	4	Level Of Ground : 142.614 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 3.2 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
Highly weathered, brownish grey to greyish brown, medium to coarse grained, fractured rock.								R10	CR=30% RQD=NIL 13.75
								R11	CR=24% RQD=NIL 14.50
								R12	CR=36% RQD=22% 15.25
								R13	CR=33% RQD=NIL 16.00
								R14	CR=34% RQD=NIL 16.75
								R15	CR=28% RQD=13% 17.50
								R16	CR=28% RQD=NIL 18.25
								R17	CR=29% RQD=NIL 19.00
								R18	CR=24% RQD=NIL 19.75
								R19	CR=45% RQD=NIL 20.50
Highly to moderately weathered, brownish grey, medium grained, fractured rock.								R20	CR=42% RQD=NIL 21.25
								R21	CR=33% RQD=NIL 22.00
								R22	CR=49% RQD=NIL 22.75
Moderately weathered, brownish grey, medium grained, fractured rock.								R23	CR=65% RQD=NIL 23.50
								R24	CR=52% RQD=NIL 24.25
								R25	CR=53% RQD=NIL 25.00

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 15/12/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-01

Co-ordinates E=(-)1121.000
N=(-)922.000

Field Test	Nos	Samples	Nos	Commencement Date : 24/11/15
Penetrometer (SPT)	5	Undisturbed (UDS)	3	Completion Date : 30/11/15
Cone (Pc)		Penetrometer (SPT)	5	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	8	Level Of Ground : 139.013 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 2.1 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m Stiff, light brownish yellow, silty clay. Obs. sand mixture.		4	6	7	13			DS-1	0.50
1.85m								SPT-1	1.00-1.45
Medium, blackish grey to brownish grey, silty clay. Obs. calcareous nodules & sand mixture.		3	3	4	7			DS-2	1.75
4.75m								UDS-1	2.00-2.45
Very stiff, blackish grey to brownish grey, silty clay. Obs. calcareous nodules & sand mixture.		6	7	9	16			DS-3	2.75
6.70m								SPT-2	3.00-3.45
Very dense, brownish yellow, silty sand with decomposed rock.		100			>100			DS-4	3.75
8.00m								UDS-2	4.00-4.45
Highly weathered, light yellowish brown, fine to medium grained rock.		100			Refusal			DS-5	4.75
8.75m								SPT-3	5.00-5.45
Highly weathered, brownish yellow to yellowish brown, fine to medium grained fractured rock.								DS-6	5.75
15.50m								UDS-3	6.00-6.45
								DS-7	6.70
								SPT-4	7.00-7.13
								DS-8	7.50
								*SPT-5	8.00-8.03 8.00
								R1	CR=24% RQD=NIL 8.75
								R2	CR=36% RQD=NIL 9.50
								R3	CR=34% RQD=NIL 10.25
								R4	CR=36% RQD=NIL 11.00
								R5	CR=38% RQD=NIL 11.75
								R6	CR=43% RQD=NIL 12.50
								R7	CR=32% RQD=NIL 13.25
								R8	CR=31% RQD=NIL 14.00
								R9	CR=35% RQD=NIL 14.75
								R10	CR=31% RQD=NIL 15.50

NX rotary drilling from 8.00m to 30.00m

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 15/12/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-01

Co-ordinates E=(-)1121.000
N=(-)922.000

Field Test	Nos	Samples	Nos	Commencement Date : 24/11/15
Penetrometer (SPT)	5	Undisturbed (UDS)	3	Completion Date : 30/11/15
Cone (Pc)		Penetrometer (SPT)	5	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	8	Level Of Ground : 139.013 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 2.1 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
15.50m Highly weathered, brownish yellow to yellowish brown, fine to medium grained fractured rock.								R11	CR=35% RQD=NIL 16.25
								R12	CR=31% RQD=NIL 17.00
								R13	CR=28% RQD=NIL 17.75
								R14	CR=35% RQD=NIL 18.50
18.50m Highly weathered, brownish yellow to greyish brown, fine grained rock.								R15	CR=27% RQD=NIL 19.25
								R16	CR=32% RQD=NIL 20.00
								R17	CR=28% RQD=NIL 20.75
								R18	CR=26% RQD=NIL 21.50
								R19	CR=29% RQD=NIL 22.25
								R20	CR=28% RQD=NIL 23.00
								R21	CR=28% RQD=NIL 23.75
								R22	CR=32% RQD=NIL 24.50
24.50m Highly weathered, brownish yellow / yellowish brown, medium to coarse grained rock.								R23	CR=31% RQD=NIL 25.25
								R24	CR=28% RQD=NIL 26.00
								R25	CR=31% RQD=NIL 26.75
								R26	CR=40% RQD=16% 27.50
								R27	CR=40% RQD=NIL 28.25
								R28	CR=35% RQD=NIL 29.00
								R29	CR=36% RQD=25% 30.00
30.00m N.B. - '*' means sample could not be recovered.									

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 24/12/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-02

Co-ordinates E=(-)1025.000
N=(-)922.000

Field Test	Nos	Samples	Nos	Commencement Date : 21/11/15
Penetrometer (SPT)	6	Undisturbed (UDS)	3	Completion Date : 24/11/15
Cone (Pc)		Penetrometer (SPT)	6	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	9	Level Of Ground : 139.209 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 2.4 m.

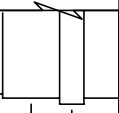
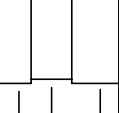
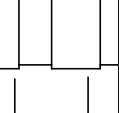
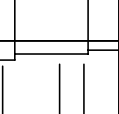
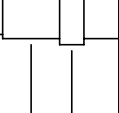
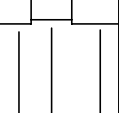
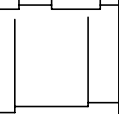

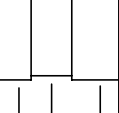
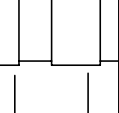
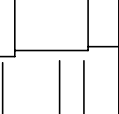
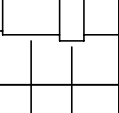
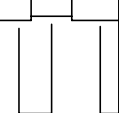
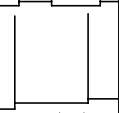
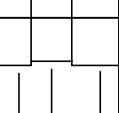
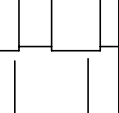
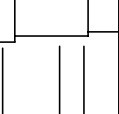
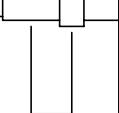

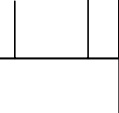

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m Brownish yellow, silty clay.								DS-1	0.50
0.70m		4	5	7	12			SPT-1	1.00-1.45
								DS-2	1.75
								UDS-1	2.00-2.45
					9			DS-3	2.70
Stiff to very stiff, blackish grey, silty clay.		4	4	5				SPT-2	3.00-3.45
								DS-4	3.70
								UDS-2	4.00-4.45
					18			DS-5	4.75
		6	8	10				SPT-3	5.00-5.45
								DS-6	5.70
								UDS-3	6.00-6.45
6.75m					73			DS-7	6.75
Hard, brownish yellow, silty clay with sand mixture.		21	29	44				SPT-4	7.00-7.45
					>100			DS-8	7.75
		52	100					SPT-5	8.00-8.20
8.50m		100			5.0 cm Pentn.			*SPT-6	8.50-8.56 8.50
					6.0 cm Pentn.			R1	CR=28% RQD=13%
								R2	CR=36% RQD=NIL
								R3	CR=32% RQD=NIL
								R4	CR=31% RQD=NIL
								R5	CR=36% RQD=NIL
Highly weathered, light yellowish brown, medium to coarse grained rock.								R6	CR=32% RQD=13%
								R7	CR=38% RQD=NIL
								R8	CR=34% RQD=NIL
								R9	CR=36% RQD=NIL
15.50m									15.25

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telangana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 24/12/2015 Sheet No:

BORE LOG DATA SHEET **BORE HOLE NO. IBH-02** Co-ordinates E=(-)1025.000 N=(-)922.000

Field Test	Nos	Samples	Nos	Commencement Date : 21/11/15
Penetrometer (SPT)	6	Undisturbed (UDS)	3	Completion Date : 24/11/15
Cone (Pc)		Penetrometer (SPT)	6	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	8	Level Of Ground : 139.209 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 2.4 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
Highly weathered, light yellowish brown, medium to coarse grained rock.								R10	CR=32% RQD=NIL
								R11	CR=36% RQD=NIL
								R12	CR=33% RQD=15%
								R13	CR=26% RQD=NIL
								R14	CR=28% RQD=17%
Highly to moderately weathered, light yellowish grey, medium to fine grained, highly fractured rock.								R15	CR=36% RQD=NIL
								R16	CR=28% RQD=NIL
								R17	CR=39% RQD=NIL
								R18	CR=40% RQD=NIL
								R19	CR=36% RQD=NIL
								R20	CR=43% RQD=NIL
								R21	CR=44% RQD=28%
								R22	CR=36% RQD=13%
Highly weathered, blackish grey, medium grained, highly fractured rock.								R23	CR=33% RQD=NIL
								R24	CR=32% RQD=NIL
								R25	CR=40% RQD=36%
								R26	CR=28% RQD=NIL
								R27	CR=32% RQD=NIL
								R28	CR=28% RQD=NIL
								R29	CR=26% RQD=NIL

N.B. - '*' means sample could not be recovered.

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 15/12/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-03

Co-ordinates E=(-)808.000 N=(-)922.000

Field Test	Nos	Samples	Nos	Commencement Date : 21/11/15
Penetrometer (SPT)	14	Undisturbed (UDS)	2	Completion Date : 27/11/15
Cone (Pc)		Penetrometer (SPT)	14	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	15	Level Of Ground : 142.607 m.
		Water Sample (WS)	1	Water Struck At :
				Standing Water Level : 3.0 m.

DESCRIPTION	SYMBOL	N-VALUE					SAMPLES	
		EACH DIVN. = 15cm.					Ref. No	Depth (m)
0.00m							DS-1	0.50
Stiff, brownish grey, silty clay with sand mixture & kankars.		3	4	7	11		SPT-1	1.00-1.45
							DS-2	1.60
2.00m							UDS-1	2.00-2.45
Stiff, brownish grey, silty clay. Obs. calcareous nodules.		6	4	5	9		DS-3	2.70
							WS-1	3.00
							SPT-2	3.00-3.45
							DS-4	3.50
4.50m							UDS-2	4.00-4.45
Hard, brownish grey, silty clay. Obs. calcareous nodules.		14	18	21	39		DS-5	4.50
							SPT-3	5.00-5.45
							DS-6	5.50
6.50m							SPT-4	6.00-6.45
Very dense, brownish grey, silty sand.		25	38	45	83		DS-7	6.70
							SPT-5	7.00-7.37
							DS-8	7.60
							SPT-6	8.00-8.26
							DS-9	8.50
							SPT-7	9.00-9.10
9.50m							*SPT-8	9.50-9.53 9.50
Completely weathered, yellowish brown, collected as sludge.							R1	CR=NIL
							DS-10	RQD=NIL
							*SPT-9	10.25-10.27 10.25
							R2	CR=NIL
							DS-11	RQD=NIL
							*SPT-10	11.00-11.03 11.00
							R3	CR=NIL
							DS-12	RQD=NIL
							*SPT-11	11.75-11.79 11.75
							R4	CR=NIL
							DS-13	RQD=NIL
12.50m							*SPT-12	12.50-12.53 12.50
Highly weathered, light brownish yellow, medium to coarse grained rock.							R5	CR=28% RQD=NIL
							R6	CR=30% RQD=NIL
							R7	CR=32% RQD=NIL
							R8	CR=34% RQD=NIL
15.50m								15.50

NX rotary drilling from 9.50m to 30.00m

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 15/12/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-03

Co-ordinates E=(-)808.000
N=(-)922.000

Field Test	Nos	Samples	Nos	Commencement Date : 21/11/15
Penetrometer (SPT)	14	Undisturbed (UDS)	2	Completion Date : 27/11/15
Cone (Pc)		Penetrometer (SPT)	14	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	15	Level Of Ground : 142.607 m.
		Water Sample (WS)	1	Water Struck At : Standing Water Level : 3.0 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
15.50m								R9	CR=32% RQD=NIL
Highly weathered, light brownish yellow, medium to coarse grained rock.								R10	CR=28% RQD=13%
								R11	CR=30% RQD=17%
								R12	CR=34% RQD=NIL
								R13	CR=36% RQD=NIL
18.50m								R14	CR=38% RQD=NIL
Highly weathered, brownish grey, fine to medium grained rock.								R15	CR=36% RQD=NIL
								R16	CR=32% RQD=NIL
								R17	CR=NIL RQD=NIL
21.50m								DS-14 *SPT-13	CR=NIL RQD=NIL
Completely weathered, yellowish brown, collected as sludge.								R18	CR=NIL RQD=NIL
								DS-15 *SPT-14	CR=NIL RQD=NIL
23.00m								R19	CR=34% RQD=13%
Highly weathered, brownish yellow to yellowish brown, fine to medium grained rock.								R20	CR=28% RQD=NIL
								R21	CR=31% RQD=NIL
								R22	CR=38% RQD=21%
								R23	CR=36% RQD=NIL
								R24	CR=40% RQD=NIL
								R25	CR=36% RQD=NIL
								R26	CR=32% RQD=NIL
								R27	CR=39% RQD=NIL
30.00m									

N.B. - '*' means sample could not be recovered.

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 24/12/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-04

Co-ordinates E=(-)789.000
N=(-)982.000

Field Test	Nos	Samples	Nos	Commencement Date : 01/12/15
Penetrometer (SPT)	5	Undisturbed (UDS)	3	Completion Date : 03/12/15
Cone (Pc)		Penetrometer (SPT)	5	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	9	Level Of Ground : 143.88 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 3.8 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m								DS-1	0.50
Medium, brownish grey to blackish grey, silty clay. Obs. sand mixture.		2	3	4				SPT-1	1.00-1.45
								DS-2	1.80
								UDS-1	2.00-2.45
								DS-3	2.80
2.80m		3	6	7				SPT-2	3.00-3.45
Stiff to very stiff, brownish grey to blackish grey, silty clay. Obs. sand mixture.								DS-4	3.80
								UDS-2	4.00-4.45
								DS-5	4.80
								SPT-3	5.00-5.45
6.80m		16	12	16				DS-6	5.80
Very dense, yellowish brown, silty sand with decomposed rock.								UDS-3	6.00-6.45
								DS-7	6.80
								SPT-4	7.00-7.22
								DS-8	7.50
8.00m		53	100					*SPT-5	8.00-8.03
Highly to moderately weathered, yellowish brown, fine to medium grained, fractured rock.								R1	8.00
									8.75
								R2	9.50
									10.25
								R3	11.00
									11.75
								R4	12.50
									13.25
								R5	14.00
									14.75
15.50m								R6	
								R7	
								R8	
								R9	
								R10	

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telangana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 24/12/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-04

Co-ordinates E=(-)789.000
N=(-)982.000

Field Test	Nos	Samples	Nos	Commencement Date : 01/12/15
Penetrometer (SPT)	5	Undisturbed (UDS)	3	Completion Date : 03/12/15
Cone (Pc)		Penetrometer (SPT)	5	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	9	Level Of Ground : 143.88 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 3.8 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
<p>Highly to moderately weathered, yellowish brown, fine to medium grained, fractured rock.</p> <p>N.B. - '*' means sample could not be recovered.</p>									15.50
									R11
									CR=41% RQD=NIL
									16.25
									R12
									CR=39% RQD=NIL
									17.00
									R13
									CR=45% RQD=NIL
									17.75
									R14
									CR=47% RQD=NIL
									18.50
									R15
									CR=34% RQD=NIL
									19.25
									R16
									CR=36% RQD=12%
									20.00
									R17
									CR=48% RQD=NIL
									20.75
									R18
									CR=33% RQD=NIL
									21.50
									R19
									CR=36% RQD=NIL
									22.25
									R20
									CR=51% RQD=NIL
									23.00
									R21
									CR=55% RQD=NIL
									23.75
									R22
									CR=52% RQD=13%
									24.50
									R23
									CR=24% RQD=13%
									25.25
									R24
									CR=28% RQD=NIL
									26.00
									R25
									CR=29% RQD=NIL
									26.75
									R26
									CR=40% RQD=NIL
									27.50
									R27
									CR=36% RQD=NIL
									28.25
									R28
									CR=35% RQD=NIL
									29.00
									R29
									CR=36% RQD=NIL
									30.00

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 08/12/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-06

Co-ordinates E=707.000
N=(-)942.000

Field Test	Nos	Samples	Nos	Commencement Date : 20/11/15
Penetrometer (SPT)	15	Undisturbed (UDS)	2	Completion Date : 22/11/15
Cone (Pc)		Penetrometer (SPT)	15	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	16	Level Of Ground : 142.813 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 2.6 m.

DESCRIPTION	SYMBOL	N-VALUE					SAMPLES	
		EACH DIVN. = 15cm.					Ref. No	Depth (m)
0.00m Very stiff, brownish grey, silty clay.		4	7	11	18		DS-1	0.50
							SPT-1	1.00-1.45
							DS-2	1.60
2.45m Hard, deep grey, silty clay.		11	18	17	35		UDS-1	2.00-2.45
							DS-3	2.70
4.00m Brownish grey, silty sand.							SPT-2	3.00-3.45
							DS-4	3.60
5.00m Hard, brownish yellow, silty clay with sand & calcareous nodules.		15	21	27	48		*UDS-2	4.00-4.45
							DS-5	4.70
							SPT-3	5.00-5.45
							DS-6	5.60
7.00m Completely weathered, decomposed & disintegrated rock particles collected as sludge.		20	35	100	>100		SPT-4	6.00-6.40
							DS-7	6.60
							*SPT-5	7.00-7.04 7.00
							R1	CR=NIL
							DS-8	RQD=NIL
							*SPT-6	7.75-7.77 7.75
							R2	CR=NIL
							DS-9	RQD=NIL
							*SPT-7	8.50-8.53 8.50
							R3	CR=NIL
							DS-10	RQD=NIL
							*SPT-8	9.25-9.28 9.25
							R4	CR=24% RQD=NIL
								10.00
							R5	CR=32% RQD=NIL
								10.75
							R6	CR=28% RQD=NIL
								11.50
							R7	CR=21% RQD=NIL
								12.25
							R8	CR=25% RQD=NIL
								13.00
							R9	CR=35% RQD=32%
								13.75
							R10	CR=29% RQD=NIL
								14.50
							R11	CR=33% RQD=20%
								15.25
15.50m Highly weathered, brownish yellow, medium to fine grained, highly fractured rock.								

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telangana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 08/12/2015 Sheet No:

BORE LOG DATA SHEET **BORE HOLE NO. IBH-06** Co-ordinates E=707.000 N=(-)942.000

Field Test	Nos	Samples	Nos	Commencement Date : 20/11/15
Penetrometer (SPT)	15	Undisturbed (UDS)	2	Completion Date : 22/11/15
Cone (Pc)		Penetrometer (SPT)	15	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	16	Level Of Ground : 142.813 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 2.6 m.

DESCRIPTION	SYMBOL	N-VALUE					SAMPLES	
		EACH DIVN. = 15cm.					Ref. No	Depth (m)
15.50m							R12	CR=21% RQD=NIL
							R13	CR=22% RQD=NIL
							R14	CR=25% RQD=NIL
							R15	CR=24% RQD=NIL
Highly weathered, brownish yellow, medium to fine grained, highly fractured rock.							R16	CR=28% RQD=NIL
							R17	CR=28% RQD=NIL
							R18	CR=25% RQD=NIL
							R19	CR=21% RQD=NIL
21.25m							R20	CR=26% RQD=NIL
Highly weathered, greyish yellow, medium to fine grained, decomposed & highly fractured rock.							R21	CR=33% RQD=13%
22.75m							*SPT-9	22.75-22.7722.75
							R22	CR=NIL RQD=NIL
							*SPT-10	23.50-23.5323.50
Completely to highly weathered, greyish, yellow, medium to fine grained, decomposed & highly fractured rock.							R23	CR=NIL RQD=NIL
							*SPT-11	24.25-24.2724.25
							R24	CR=NIL RQD=NIL
							*SPT-12	25.00-25.0325.00
							R25	CR=26% RQD=16%
25.75m							R26	CR=NIL RQD=NIL
Completely weathered, greyish yellow, fine to medium grained, completely fractured rock.							*SPT-13	26.50-26.5226.50
							R27	CR=NIL RQD=NIL
							*SPT-14	27.25-27.2827.25
							R28	CR=NIL RQD=NIL
28.00m							*SPT-15	28.00-28.0328.00
							R29	CR=52% RQD=48%
Highly to moderately weathered, greyish yellow, fine to medium grained, completely fractured rock.							R30	CR=40% RQD=NIL
							R31	CR=45% RQD=26%
30.00m								
N.B. - '*' means sample could not be recovered.								

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 09/12/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-7

Co-ordinates E=(-)707.000
N=(-)910.000

Field Test	Nos	Samples	Nos	Commencement Date : 12/11/15
Penetrometer (SPT)	9	Undisturbed (UDS)	2	Completion Date : 14/11/15
Cone (Pc)		Penetrometer (SPT)	9	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	7	Level Of Ground : 142.39 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 5.0 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m								DS-1	0.50
Very stiff, brownish grey to greyish brown, silty clay with sand mixture. Obs. calcareous nodules.		8	9	11				SPT-1	1.00-1.45
					20			DS-2	1.60
								UDS-1	2.00-2.45
								DS-3	2.60
					29			SPT-2	3.00-3.45
		10	10	19				DS-4	3.60
								*UDS-2	4.00-4.45
					45			DS-5	4.60
		15	20	25				SPT-3	5.00-5.45
								DS-6	5.60
4.45m Hard, brownish grey to greyish brown, clayey silt with sand mixture. Obs. calcareous nodules.		59	100		>100			SPT-4	6.00-6.24
								DS-7	6.50
								*SPT-5	7.00-7.05
7.75m Completely to highly weathered, brownish grey, fine to medium grained rock.								*SPT-6	7.75-7.78
								R1	CR=32% RQD=NIL
								R2	CR=20% RQD=NIL
								*SPT-7	9.25-9.30
								R3	CR=17% RQD=NIL
								*SPT-8	10.00-10.04
								R4	CR=18% RQD=NIL
								R5	CR=29% RQD=NIL
13.00m Highly to moderately weathered, brownish grey, fine grained rock. Obs. rusty spots.								R6	CR=17% RQD=NIL
								*SPT-9	12.25-12.29
								R7	CR=22% RQD=NIL
								R8	CR=48% RQD=NIL
								R9	CR=29% RQD=NIL
								R10	CR=32% RQD=NIL
15.25m Highly to moderately weathered, brownish grey to blackish grey, medium to coarse grained rock.									

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

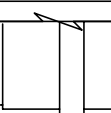

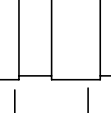
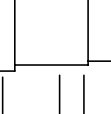
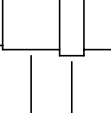
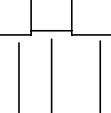
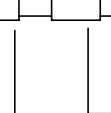
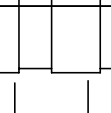
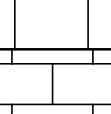
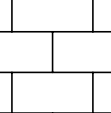
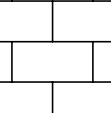
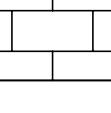

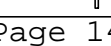
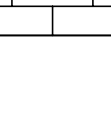
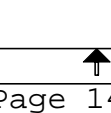
Job No : 3576I Created by : Chandrani Created on : 09/12/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-7

Co-ordinates E=(-)707.000
N=(-)910.000

Field Test	Nos	Samples	Nos	Commencement Date : 12/11/15
Penetrometer (SPT)	9	Undisturbed (UDS)	2	Completion Date : 14/11/15
Cone (Pc)		Penetrometer (SPT)	9	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	7	Level Of Ground : 142.39 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 5.0 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
Highly to moderately weathered, brownish grey to blackish grey, medium to coarse grained rock.								R11	CR=32% RQD=NIL 16.00
								R12	CR=34% RQD=NIL 16.75
								R13	CR=35% RQD=NIL 17.50
								R14	CR=34% RQD=NIL 18.25
								R15	CR=28% RQD=NIL 19.00
								R16	CR=28% RQD=NIL 19.75
								R17	CR=44% RQD=33% 20.50
								R18	CR=41% RQD=34% 21.25
								R19	CR=34% RQD=NIL 22.00
								R20	CR=30% RQD=NIL 22.75
								R21	CR=33% RQD=NIL 23.50
								R22	CR=44% RQD=NIL 24.25
								R23	CR=46% RQD=14% 25.00
Moderately to slightly weathered, brownish grey, fine grained shale. Obs. laminated sandstone.								R24	CR=50% RQD=17% 25.75
								R25	CR=46% RQD=NIL 26.50
								R26	CR=70% RQD=29% 27.50
								R27	CR=40% RQD=NIL 28.00
								R28	CR=56% RQD=38% 28.75
								R29	CR=57% RQD=NIL 29.50
Moderately weathered, brownish grey to blackish grey, fine to medium grained rock.								R30	CR=60% RQD=NIL 30.00

N.B. - '*' means sample could not be recovered.

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 27/11/2015 Sheet No:

BORE LOG DATA SHEET **BORE HOLE NO. IBH-08** Co-ordinates E=(-)758.000 N=(-)879.000

Field Test	Nos	Samples	Nos	Commencement Date : 18/11/15
Penetrometer (SPT)	7	Undisturbed (UDS)	1	Completion Date : 19/11/15
Cone (Pc)		Penetrometer (SPT)	7	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	8	Level Of Ground : 142.298 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 2.4 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m Brownish grey, silty clay with kankars.								DS-1	0.50
0.70m						14		SPT-1	1.00-1.45
Stiff, brownish grey to yellowish brown, silty clay with sand & calcareous nodules.		4	6	8				DS-2	1.60
2.70m						51		UDS-1	2.00-2.45
Hard, brownish grey to yellowish brown, silty clay with sand & calcareous nodules.		9	22	29				DS-3	2.70
						47		SPT-2	3.00-3.45
		12	20	27				DS-4	3.60
						89		SPT-3	4.00-4.45
		24	37	52				DS-5	4.70
						90		SPT-4	5.00-5.45
		19	42	48				DS-6	5.60
6.50m						>100		SPT-5	6.00-6.45
Hard, brownish yellow, silty clay with sand mixture & calcareous nodules.		48	100					DS-7	6.70
						10.0 cm Pentn.		SPT-6	7.00-7.25
8.00m		100				Refusal		DS-8	7.70
						4.0 cm Pentn.		*SPT-7	8.00-8.04 8.00
								R1	CR=25% RQD=NIL
								R2	CR=28% RQD=NIL
								R3	CR=24% RQD=NIL
								R4	CR=32% RQD=NIL
								R5	CR=25% RQD=NIL
								R6	CR=28% RQD=NIL
								R7	CR=26% RQD=NIL
								R8	CR=29% RQD=20%
								R9	CR=24% RQD=NIL
								R10	CR=32% RQD=20%
15.50m									15.50

NX rotary drilling from 8.00m to 30.00m

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 27/11/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-08

Co-ordinates E=(-)758.000
N=(-)879.000

Field Test	Nos	Samples	Nos	Commencement Date : 18/11/15
Penetrometer (SPT)	7	Undisturbed (UDS)	1	Completion Date : 19/11/15
Cone (Pc)		Penetrometer (SPT)	7	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	8	Level Of Ground : 142.298 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 2.4 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
<p>Highly weathered, light brownish yellow, medium to fine grained, highly fractured rock.</p> <p>Highly weathered, steel grey, medium to fine grained, highly fractured rock.</p> <p>N.B. - '*' means sample could not be recovered.</p>								R11	CR=37% RQD=NIL 16.25
								R12	CR=29% RQD=23% 17.00
								R13	CR=32% RQD=NIL 17.75
								R14	CR=35% RQD=20% 18.50
								R15	CR=26% RQD=NIL 19.25
								R16	CR=33% RQD=13% 20.00
								R17	CR=37% RQD=NIL 20.75
								R18	CR=32% RQD=NIL 21.50
								R19	CR=29% RQD=NIL 22.25
								R20	CR=30% RQD=NIL 23.00
								R21	CR=25% RQD=NIL 23.75
								R22	CR=39% RQD=NIL 24.50
								R23	CR=28% RQD=NIL 25.25
								R24	CR=27% RQD=NIL 26.00
								R25	CR=25% RQD=NIL 26.75
								R26	CR=25% RQD=NIL 27.50
								R27	CR=25% RQD=NIL 28.25
								R28	CR=36% RQD=NIL 29.00
								R29	CR=39% RQD=NIL 30.00

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 27/11/2015 Sheet No:

BORE LOG DATA SHEET **BORE HOLE NO. IBH-09** Co-ordinates E=(-)692.000 N=(-)926.000

Field Test	Nos	Samples	Nos	Commencement Date : 17/11/15
Penetrometer (SPT)	5	Undisturbed (UDS)	2	Completion Date : 19/11/15
Cone (Pc)		Penetrometer (SPT)	5	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	5	Level Of Ground : 142.731 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 2.6 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m								DS-1	0.50
Very stiff, blackish grey, silty clay.		11	13	17				SPT-1	1.00-1.45
						30			
2.50m								UDS-1	2.00-2.45
		12	13	20				DS-2	2.60
Very stiff to hard, brownish grey, silty clay.						33		SPT-2	3.00-3.45
								*UDS-2	4.00-4.45
								DS-3	4.60
		7	9	15				SPT-3	5.00-5.45
5.70m						24		DS-4	5.70
Very dense, light brownish yellow, silty sand / sandy silt.								SPT-4	6.00-6.37
		26	42	100				DS-5	6.70
7.00m								*SPT-5	7.00-7.06
		100						R1	7.00
									CR=22% RQD=NIL
								R2	7.75
									CR=23% RQD=NIL
Highly weathered, light brownish yellow, medium to fine grained, highly fractured rock.								R3	8.50
									CR=24% RQD=NIL
								R4	9.25
									CR=25% RQD=NIL
10.00m								R5	10.00
									CR=26% RQD=NIL
								R6	10.75
									CR=24% RQD=NIL
								R7	11.50
									CR=27% RQD=13%
								R8	12.25
									CR=23% RQD=NIL
Highly weathered, light brownish yellow, medium to fine grained, highly fractured rock.								R9	13.00
									CR=27% RQD=NIL
								R10	13.75
									CR=26% RQD=NIL
								R11	14.50
									CR=32% RQD=NIL
15.50m									15.25

NX rotary drilling from 7.00m to 30.00m

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

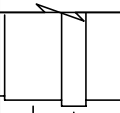


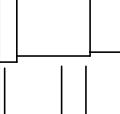
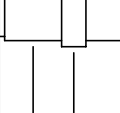
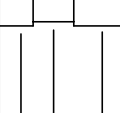
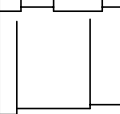

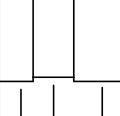
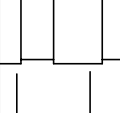
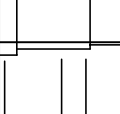
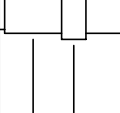
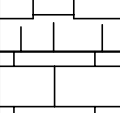
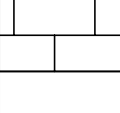

Job No : 3576I Created by : Chandrani Created on : 27/11/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-09

Co-ordinates E=(-)692.000
N=(-)926.000

Field Test	Nos	Samples	Nos	Commencement Date : 17/11/15
Penetrometer (SPT)	5	Undisturbed (UDS)	2	Completion Date : 19/11/15
Cone (Pc)		Penetrometer (SPT)	5	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	5	Level Of Ground : 142.731 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 2.6 m.

DESCRIPTION	SYMBOL	N-VALUE								SAMPLES		
		EACH DIVN. = 15cm.								Ref. No	Depth (m)	
Highly weathered, light brownish yellow, medium to fine grained, highly fractured rock.	15.50m									R12	CR=28% RQD=NIL	16.00
										R13	CR=39% RQD=NIL	16.75
										R14	CR=37% RQD=NIL	17.50
										R15	CR=36% RQD=28%	18.25
										R16	CR=28% RQD=NIL	19.00
										R17	CR=27% RQD=NIL	19.75
										R18	CR=29% RQD=NIL	20.50
										R19	CR=24% RQD=NIL	21.25
										R20	CR=25% RQD=NIL	22.00
										R21	CR=26% RQD=NIL	22.75
										R22	CR=25% RQD=NIL	23.50
										R23	CR=24% RQD=NIL	24.25
										R24	CR=23% RQD=NIL	25.00
										R25	CR=32% RQD=NIL	25.75
Moderately weathered, light brownish yellow, coarse grained, slightly fractured rock.	26.50m									R26	CR=33% RQD=NIL	26.50
										R27	CR=40% RQD=23%	27.25
										R28	CR=44% RQD=40%	28.00
Moderately weathered, light brownish yellow, coarse grained, slightly fractured rock.	28.75m									R29	CR=47% RQD=43%	28.75
										R30	CR=58% RQD=17%	29.50
	30.00m									R31	CR=54% RQD=NIL	30.00
N.B. — '*' means sample could not be recovered.												

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 15/12/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-10

Co-ordinates E=(-)676.000
N=(-)942.000

Field Test	Nos	Samples	Nos	Commencement Date : 23/11/15
Penetrometer (SPT)	6	Undisturbed (UDS)	3	Completion Date : 28/11/15
Cone (Pc)		Penetrometer (SPT)	6	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	5	Level Of Ground : 142.645 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 2.6 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m								DS-1	0.50
Stiff to very stiff, brownish grey, silty clay.		3	6	8	14			SPT-1	1.00-1.45
								UDS-1	2.00-2.45
								DS-2	2.60
		8	12	11	23			SPT-2	3.00-3.45
4.50m								UDS-2	4.00-4.45
								DS-3	4.70
		6	14	16	30			SPT-3	5.00-5.45
6.50m								UDS-3	6.00-6.45
								DS-4	6.60
		15	19	27	46			SPT-4	7.00-7.45
								DS-5	7.60
8.50m		57	100	4.0	cm Pentn.			SPT-5	8.00-8.19
		100		4.0	cm Pentn.			*SPT-6	8.50-8.54 8.50
								R1	CR=34% RQD=32%
15.50m								R2	CR=26% RQD=NIL
								R3	CR=21% RQD=NIL
								R4	CR=28% RQD=NIL
								R5	CR=28% RQD=NIL
								R6	CR=22% RQD=NIL
								R7	CR=26% RQD=14%
								R8	CR=27% RQD=16%
								R9	CR=30% RQD=NIL
									15.25

NX rotary drilling from 8.50m to 30.00m

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 15/12/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-10

Co-ordinates E=(-)676.000
N=(-)942.000

Field Test	Nos	Samples	Nos	Commencement Date : 23/11/15
Penetrometer (SPT)	6	Undisturbed (UDS)	3	Completion Date : 28/11/15
Cone (Pc)		Penetrometer (SPT)	6	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	5	Level Of Ground : 142.645 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 2.6 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
15.50m								R10	CR=26% RQD=NIL
Highly weathered, brownish yellow, medium to fine grained rock.								R11	CR=22% RQD=NIL
								R12	CR=28% RQD=NIL
								R13	CR=22% RQD=NIL
								R14	CR=32% RQD=NIL
18.25m								R15	CR=26% RQD=NIL
Highly weathered, brownish yellow, fine to medium grained rock.								R16	CR=28% RQD=NIL
								R17	CR=25% RQD=NIL
								R18	CR=29% RQD=27%
								R19	CR=26% RQD=NIL
20.50m								R20	CR=30% RQD=NIL
Highly to moderately weathered, brownish yellow to yellowish brown, fine to medium grained rock.								R21	CR=33% RQD=14%
								R22	CR=29% RQD=17%
								R23	CR=26% RQD=NIL
								R24	CR=25% RQD=NIL
								R25	CR=29% RQD=18%
								R26	CR=32% RQD=18%
								R27	CR=28% RQD=NIL
								R28	CR=33% RQD=NIL
								R29	CR=48% RQD=NIL
30.00m									

N.B. - '*' means sample could not be recovered.

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 24/12/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-11

Co-ordinates E=(-)676.000
N=(-)910.000

Field Test	Nos	Samples	Nos	Commencement Date : 29/11/15
Penetrometer (SPT)	12	Undisturbed (UDS)	2	Completion Date : 02/12/15
Cone (Pc)		Penetrometer (SPT)	12	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	13	Level Of Ground : 142.85 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 3.9 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m									
Brownish grey, silty clay.								DS-1	0.50
0.80m						9		SPT-1	1.00-1.45
		3	5	4				DS-2	1.60
Stiff, blackish grey, silty clay with sand mixture.								UDS-1	2.00-2.45
						13		DS-3	2.60
		5	7	6				SPT-2	3.00-3.45
4.00m								UDS-2	4.00-4.45
						42		DS-4	4.65
		14	19	23				SPT-3	5.00-5.45
Hard, yellowish brown, silty clay. Obs. sand mixture & calcareous nodules.						72		DS-5	5.60
		12	30	42				SPT-4	6.00-6.45
						>100		DS-6	6.75
		18	55	100				SPT-5	7.00-7.35
7.50m		100	5.0 cm	Pentn.				*SPT-6	7.50-7.53 7.50
			3.0 cm	Refusal				R1	CR=23% RQD=NIL
								R2	CR=21% RQD=NIL
								R3	CR=23% RQD=NIL
								R4	CR=24% RQD=13%
Highly weathered, yellowish brown, medium to coarse grained rock.								R5	CR=27% RQD=NIL
								R6	CR=21% RQD=NIL
								R7	CR=24% RQD=NIL
								R8	CR=28% RQD=NIL
13.50m								R9	CR=NIL RQD=NIL
								*SPT-7	14.25-14.27 14.25
Completely weathered, yellowish grey, coarse grained, fully decomposed rock								R10	CR=NIL RQD=NIL
								*SPT-8	15.00-15.03 15.00
								R11	CR=NIL RQD=NIL
15.50m									

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telangana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 24/12/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-11

Co-ordinates E=(-)676.000
N=(-)910.000

Field Test	Nos	Samples	Nos	Commencement Date : 29/11/15
Penetrometer (SPT)	12	Undisturbed (UDS)	2	Completion Date : 02/12/15
Cone (Pc)		Penetrometer (SPT)	12	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	12	Level Of Ground : 142.85 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 3.9 m.

DESCRIPTION	SYMBOL	N-VALUE					SAMPLES	
		EACH DIVN. = 15cm.					Ref. No	Depth (m)
15.50m Completely weathered, yellowish grey, coarse grained, fully decomposed rock		100	>100	2.0	cm	Pentn.	DS-9 *SPT-9 R12	15.75-15.77 15.75 CR=NIL RQD=NIL
16.50m Highly to moderately weathered, brownish grey, medium grained, fractured rock.		100	>100	3.0	cm	Pentn.	DS-10 *SPT-10 R13	16.50-16.53 16.50 CR=32% RQD=NIL
19.50m Completely weathered, brownish grey, coarse grained, fully decomposed rock.		100	Refusal	3.0	cm	Pentn.	R14 R15 R16	17.25 CR=25% RQD=NIL 18.00 CR=44% RQD=17% 18.75 CR=45% RQD=19% 19.50
21.00m Highly to moderately weathered, brownish grey, medium to fine grained, fractured rock.		100	Refusal	2.0	cm	Pentn.	R17 DS-11 *SPT-11 R18 DS-12 *SPT-12 R19	20.25-20.28 20.25 CR=NIL RQD=NIL 21.00-21.02 21.00 CR=40% RQD=NIL
27.75m Moderately weathered, brownish grey, medium to fine grained, fractured rock.							R20 R21 R22 R23 R24 R25 R26 R27 R28 R29 R30	21.75 CR=36% RQD=NIL 22.50 CR=39% RQD=16% 23.25 CR=41% RQD=17% 24.00 CR=42% RQD=NIL 24.75 CR=39% RQD=16% 25.50 CR=45% RQD=32% 26.25 CR=48% RQD=NIL 27.00 CR=50% RQD=18% 27.75 CR=52% RQD=NIL 28.50 CR=55% RQD=NIL 29.25 CR=58% RQD=NIL 30.00
30.00m N.B. - '*' means sample could not be recovered.								

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 16/11/2015 Sheet No:

BORE LOG DATA SHEET **BORE HOLE NO. IBH-12** Co-ordinates E=119.000 N=(-)338.000

Field Test	Nos	Samples	Nos	Commencement Date : 23/10/15
Penetrometer (SPT)	9	Undisturbed (UDS)	2	Completion Date : 26/10/15
Cone (Pc)		Penetrometer (SPT)	9	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	8	Level Of Ground : 143.464 m.
		Water Sample (WS)	1	Water Struck At : Standing Water Level : 7.2 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m								DS-1	0.50
Stiff, brownish grey to blackish grey, silty clay.		2	5	6	11			SPT-1	1.00-1.45
								UDS-1	2.00-2.45
								DS-2	2.60
2.80m		8	11	17	28			SPT-2	3.00-3.45
Medium dense, brownish grey to yellowish grey, silty sand.								*UDS-2	4.00-4.15
								DS-3	4.50
5.00m		42	53	100	>100			SPT-3	5.00-5.37
Very dense, brownish grey to yellowish grey, silty sand.					7.0 cm Pentn.			DS-4	5.50
								SPT-4	6.00-6.20
		68	100		>100			*SPT-5	6.50-6.55 6.50
6.50m		100			5.0 cm Pentn.			WS-1	7.20
					Refusal			R1	CR=NIL RQD=NIL
Completely weathered, brownish grey, decomposed rock.								DS-5	
		100			Refusal			*SPT-6	8.00-8.05 8.00
					5.0 cm Pentn.			R2	CR=20% RQD=NIL
9.00m									9.00
								R3	CR=26% RQD=NIL
									10.00
								R4	CR=22% RQD=12%
									10.75
								R5	CR=21% RQD=14%
									11.50
								R6	CR=30% RQD=NIL
									12.25
								R7	CR=24% RQD=NIL
									13.00
								R8	CR=22% RQD=NIL
									13.75
								R9	CR=34% RQD=23%
									14.50
								R10	CR=27% RQD=25%
									15.50
15.50m									

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 16/11/2015 Sheet No:

BORE LOG DATA SHEET **BORE HOLE NO. IBH-12** Co-ordinates E=119.000 N=(-)338.000

Field Test	Nos	Samples	Nos	Commencement Date : 23/10/15
Penetrometer (SPT)	9	Undisturbed (UDS)	2	Completion Date : 26/10/15
Cone (Pc)		Penetrometer (SPT)	9	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	8	Level Of Ground : 143.464 m.
		Water Sample (WS)	1	Water Struck At : 7.2 m.
				Standing Water Level : 7.2 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
15.50m Highly weathered, brownish grey to yellowish grey, medium grained rock.								R11	CR=27% RQD=15%
16.50m								R12	CR=20% RQD=NIL
17.50m								R13	CR=24% RQD=15%
18.50m								R14	CR=29% RQD=NIL
19.50m								R15	CR=NIL RQD=NIL
20.50m								R16	CR=NIL RQD=NIL
21.50m								R17	CR=NIL RQD=NIL
22.50m								R18	CR=28% RQD=16%
23.50m								R19	CR=29% RQD=NIL
24.50m								R20	CR=46% RQD=NIL
25.50m								R21	CR=27% RQD=12%
26.50m								R22	CR=31% RQD=14%
27.50m								R23	CR=30% RQD=NIL
28.50m								R24	CR=40% RQD=NIL
30.00m									

N.B. - '*' means sample could not be recovered.

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. CETEST													
Job No : 3576I			Created by : Chandrani			Created on : 16/11/2015			Sheet No:				
BORE LOG DATA SHEET				BORE HOLE NO. IBH-13				Co-ordinates E=132.000 N=(-)352.000					
Field Test	Nos	Samples	Nos	Commencement Date : 27/10/15									
Penetrometer (SPT)	19	Undisturbed (UDS)	1	Completion Date : 28/10/15									
Cone (Pc)		Penetrometer (SPT)	19	Bore Hole Diameter : 150 mm. / N.X.									
Vane (V)		Disturbed (DS)	14	Level Of Ground : 143.828 m.									
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 2.8 m.									
DESCRIPTION			SYMBOL	N-VALUE				SAMPLES					
				EACH DIVN. = 15cm.				Ref. No	Depth (m)				
Stiff, deep grey, silty clay. Obs. calcareous nodules.									DS-1	0.50			
										SPT-1	1.00-1.45		
												UDS-1	2.00-2.45
Very dense, yellowish brown, silty sand. Obs. mica.									DS-2	2.60			
										SPT-2	3.00-3.25		
												DS-3	3.60
												SPT-3	4.00-4.24
												DS-4	4.50
												SPT-4	5.00-5.12
												DS-5	5.50
												SPT-5	6.00-6.06
												DS-6	6.50
												SPT-6	7.00-7.08
												*SPT-7	7.25-7.32
												R1	CR=NIL
Completely weathered, brownish grey to reddish brown, medium to coarse grained, completely fractured rock.									DS-7	RQD=NIL			
										SPT-8	8.00-8.08		
												R2	CR=10%
												*SPT-9	RQD=NIL
												R3	CR=12%
												*SPT-10	RQD=NIL
												R4	CR=14%
												*SPT-11	RQD=NIL
												R5	CR=12%
												*SPT-12	RQD=NIL
Highly weathered, brownish grey to reddish brown, medium to coarse grained, completely fractured rock.									R6	CR=26%			
												R7	RQD=NIL
												R8	CR=30%
													RQD=NIL
												R9	CR=32%
													RQD=NIL
												R10	CR=28%
													RQD=NIL
												R11	CR=21%
													RQD=NIL
Completely weathered, brownish grey to reddish brown, medium to coarse grained, completely fractured rock.													

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 16/11/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-13

Co-ordinates E=132.000
N=(-)352.000

Field Test	Nos	Samples	Nos	Commencement Date : 27/10/15
Penetrometer (SPT)	19	Undisturbed (UDS)	1	Completion Date : 28/10/15
Cone (Pc)		Penetrometer (SPT)	19	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	14	Level Of Ground : 143.828 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 2.8 m.

DESCRIPTION	SYMBOL	N-VALUE				SAMPLES	
		EACH DIVN. = 15cm.				Ref. No	Depth (m)
15.50m Completely weathered, brownish grey to reddish brown, medium to coarse grained, completely fractured rock.		100	Refusal			*SPT-13	15.50-15.53 15.50
			3.0 cm Pentn.			R12	CR=NIL RQD=NIL
		100	Refusal			DS-8	
			4.0 cm Pentn.			*SPT-14	16.50-16.54 16.50
		100	Refusal			R13	CR=NIL RQD=NIL
19.00m Completely weathered, greyish yellow, medium to coarse grained, highly fractured rock.		100	Refusal			DS-9	
			5.0 cm Pentn.			*SPT-15	17.50-17.55 17.50
						R14	CR=NIL RQD=NIL
						DS-10	18.25 18.25
						R15	CR=26% RQD=NIL
23.00m Highly to moderately weathered, greyish yellow, medium to coarse grained, highly fractured rock.		100	Refusal			R16	CR=NIL RQD=NIL
						DS-11	
		100	Refusal			*SPT-16	20.00-20.04 20.00
			4.0 cm Pentn.			R17	CR=NIL RQD=NIL
		100	Refusal			DS-12	
26.00m Moderately weathered, brownish grey, highly fractured, fine grained rock.		100	Refusal			*SPT-17	21.00-21.06 21.00
			6.0 cm Pentn.			R18	CR=NIL RQD=NIL
		100	Refusal			DS-13	
			3.0 cm Pentn.			SPT-18	22.00-22.03 22.00
		100	Refusal			R19	CR=NIL RQD=NIL
27.50m Moderately weathered, brownish grey, medium to coarse grained, fractured rock.		100	Refusal			DS-14	
			3.0 cm Pentn.			*SPT-19	23.00-23.03 23.00
						R20	CR=49% RQD=NIL
						R21	CR=40% RQD=NIL
						R22	CR=36% RQD=NIL
30.00m N.B. - '*' means sample could not be recovered.						R23	CR=48% RQD=NIL
						R24	CR=44% RQD=20%
						R25	CR=40% RQD=NIL
						R26	CR=49% RQD=15%
						R27	CR=40% RQD=NIL
						R28	CR=41% RQD=14%

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 24/12/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-14

Co-ordinates E=(-)529.000
N=(-)1013.000

Field Test	Nos	Samples	Nos	Commencement Date : 29/11/15
Penetrometer (SPT)	8	Undisturbed (UDS)	2	Completion Date : 02/12/15
Cone (Pc)		Penetrometer (SPT)	8	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	7	Level Of Ground : 142.815 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 4.1 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m									
Very stiff, blackish grey, silty clay.								DS-1	0.50
								SPT-1	1.00-1.45
								DS-2	1.75
								UDS-1	2.00-2.45
2.50m									
Hard, blackish grey, silty clay.								SPT-2	3.00-3.45
								DS-3	3.70
								*UDS-2	4.00-4.45
3.50m									
Very dense, brownish grey, silty sand. Obs. clay binder.								SPT-3	5.00-5.45
								DS-4	5.75
								SPT-4	6.00-6.13
								*SPT-5	6.50-6.53
6.50m								R1	6.50
Completely to highly weathered, brownish grey, coarse to medium grained, highly fractured rock.									7.25
								R2	8.00
								R3	8.75
								R4	9.50
								R5	10.25
								*SPT-6	10.25
								R6	11.00
								*SPT-7	11.00
								R7	11.75
								*SPT-8	11.75
								R8	12.50
								R9	13.25
Highly weathered, brownish grey, coarse to medium grained, highly fractured rock.								R10	14.00
								R11	14.75
								R12	15.50
15.50m									

Job No : 3576I

Created by : Chandrani

Created on : 24/12/2015

Sheet No:

BORE LOG DATA SHEET**BORE HOLE NO. IBH-14**Co-ordinates E=(-)529.000
N=(-)1013.000

Field Test	Nos	Samples	Nos	Commencement Date : 29/11/15
Penetrometer (SPT)	8	Undisturbed (UDS)	2	Completion Date : 02/12/15
Cone (Pc)		Penetrometer (SPT)	8	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	7	Level Of Ground : 142.815 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 4.1 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
15.50m Highly weathered, brownish grey, coarse to medium grained, highly fractured rock.								R13	CR=22% RQD=NIL 16.25
17.00m Highly weathered, brownish grey, coarse to medium grained, highly fractured rock.								R14	CR=24% RQD=NIL 17.00
19.25m Highly weathered, brownish grey, coarse to medium grained, highly fractured rock.								R15	CR=27% RQD=NIL 17.75
								R16	CR=29% RQD=NIL 18.50
								R17	CR=40% RQD=NIL 19.25
								R18	CR=47% RQD=33% 20.00
								R19	CR=60% RQD=19% 20.75
								R20	CR=49% RQD=NIL 21.50
								R21	CR=48% RQD=13% 22.25
								R22	CR=52% RQD=14% 23.00
Moderately weathered, brownish grey, coarse to medium grained rock.								R23	CR=56% RQD=NIL 23.75
								R24	CR=45% RQD=NIL 24.50
								R25	CR=48% RQD=NIL 25.25
								R26	CR=40% RQD=NIL 26.00
								R27	CR=47% RQD=NIL 26.75
								R28	CR=42% RQD=NIL 27.50
27.50m Moderately weathered, light grey, fine grained, medium fractured rock.								R29	CR=55% RQD=20% 28.25
								R30	CR=50% RQD=20% 29.00
								R31	CR=52% RQD=NIL 30.00
30.00m N.B. - '*' means sample could not be recovered.									

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 24/12/2015 Sheet No:

BORE LOG DATA SHEET **BORE HOLE NO. IBH-15** Co-ordinates E=(-)519.000 N=(-)1025.000

Field Test	Nos	Samples	Nos	Commencement Date : 03/12/15
Penetrometer (SPT)	7	Undisturbed (UDS)	2	Completion Date : 05/12/15
Cone (Pc)		Penetrometer (SPT)	7	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	8	Level Of Ground : 142.533 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 4.05 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m								DS-1	0.50
Stiff, blackish grey, silty clay. Obs. sand mixture & kankars.		3	4	5		9		SPT-1	1.00-1.45
								DS-2	1.60
								UDS-1	2.00-2.45
								DS-3	2.70
2.70m		3	6	8		14		SPT-2	3.00-3.45
Stiff, brownish grey, silty clay with sand mixture & calcareous nodules.								DS-4	3.70
								UDS-2	4.00-4.45
								DS-5	4.60
		10	13	20		33		SPT-3	5.00-5.45
								DS-6	5.75
		14	22	43		65		SPT-4	6.00-6.45
4.60m								DS-7	6.80
		69	100			>100		SPT-5	7.00-7.20
								*SPT-6	7.50-7.53
		100				Refusal		DS-8	7.80
								*SPT-7	8.00-8.05
		100				Refusal		R1	8.00
8.00m									CR=29% RQD=NIL
								R2	CR=33% RQD=17%
								R3	CR=29% RQD=13%
								R4	CR=31% RQD=NIL
								R5	CR=32% RQD=NIL
								R6	CR=29% RQD=NIL
								R7	CR=31% RQD=NIL
								R8	CR=29% RQD=21%
								R9	CR=30% RQD=NIL
								R10	CR=37% RQD=NIL
15.50m									15.50

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telangana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 24/12/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-15

Co-ordinates E=(-)519.000
N=(-)1025.000

Field Test	Nos	Samples	Nos	Commencement Date : 03/12/15
Penetrometer (SPT)	7	Undisturbed (UDS)	2	Completion Date : 05/12/15
Cone (Pc)		Penetrometer (SPT)	7	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	8	Level Of Ground : 142.533 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 4.05 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
15.50m Highly weathered, yellowish brown, medium grained, highly fractured rock.								R11	CR=39% RQD=13% 16.25
								R12	CR=36% RQD=13% 17.00
								R13	CR=33% RQD=NIL 17.75
17.75m Highly weathered, whitish grey, fine grained, highly fractured rock.								R14	CR=35% RQD=NIL 18.50
								R15	CR=28% RQD=NIL 19.25
19.25m Highly to moderately weathered, yellowish brown to steel grey, medium to fine grained, highly fractured rock.								R16	CR=27% RQD=NIL 20.00
								R17	CR=36% RQD=NIL 20.75
								R18	CR=35% RQD=NIL 21.50
								R19	CR=37% RQD=NIL 22.25
								R20	CR=44% RQD=NIL 23.00
								R21	CR=35% RQD=15% 23.75
								R22	CR=36% RQD=NIL 24.50
								R23	CR=45% RQD=17% 25.25
								R24	CR=44% RQD=NIL 26.00
								R25	CR=41% RQD=21% 26.75
								R26	CR=41% RQD=28% 27.50
								R27	CR=48% RQD=NIL 28.25
28.25m Moderately weathered, yellowish brown to steel grey, medium to fine grained, highly fractured rock.								R28	CR=52% RQD=NIL 29.00
								R29	CR=59% RQD=NIL 30.00
30.00m N.B. - '*' means sample could not be recovered.									

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 23/11/2015 Sheet No:

BORE LOG DATA SHEET **BORE HOLE NO. IBH-16** Co-ordinates E=(-)550.000 N=(-)923.000

Field Test	Nos	Samples	Nos	Commencement Date : 08/11/15
Penetrometer (SPT)	21	Undisturbed (UDS)	2	Completion Date : 11/11/15
Cone (Pc)		Penetrometer (SPT)	21	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	21	Level Of Ground : 142.742 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 4.6 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m Very stiff, deep grey, silty clay with calcareous nodules.								DS-1	0.50
		6	8	10	18			SPT-1	1.00-1.45
1.60m								DS-2	1.60
								UDS-1	2.00-2.45
		12	15	18	33			DS-3	2.60
Hard, deep grey, silty clay with calcareous nodules.								SPT-2	3.00-3.45
								DS-4	3.60
								UDS-2	4.00-4.45
								DS-5	4.70
		15	16	20	36			SPT-3	5.00-5.45
5.70m								DS-6	5.70
		15	20	22	42			SPT-4	6.00-6.45
Hard, greyish yellow, silty clay with sand mixture. Obs. calcareous nodules.								DS-7	6.70
		19	26	35	61			SPT-5	7.00-7.45
								DS-8	7.60
		31	100		>100			SPT-6	8.00-8.25
								DS-9	8.50
9.00m Very dense, greyish yellow, silty sand with decomposed rock.								SPT-7	9.00-9.10
9.30m		100	100		>100			*SPT-8	9.30-9.34 9.30
								R1	CR=12% RQD=NIL
								*SPT-9	10.00-10.0510.00
								R2	CR=NIL RQD=NIL
								DS-10	10.75-10.7710.75
								*SPT-10	10.75-10.7710.75
								R3	CR=NIL RQD=NIL
								DS-11	11.50-11.5311.50
								*SPT-11	11.50-11.5311.50
								R4	CR=NIL RQD=NIL
								DS-12	12.25-12.2912.25
								*SPT-12	12.25-12.2912.25
								R5	CR=NIL RQD=NIL
								DS-13	13.00-13.0313.00
								*SPT-13	13.00-13.0313.00
								R6	CR=NIL RQD=NIL
								DS-14	13.75-13.7713.75
								*SPT-14	13.75-13.7713.75
								R7	CR=NIL RQD=NIL
								DS-15	14.50-14.5314.50
								*SPT-15	14.50-14.5314.50
								R8	CR=NIL RQD=NIL
								DS-16	15.00-15.0515.00
								*SPT-16	15.00-15.0515.00
								R9	CR=NIL RQD=NIL
15.50m									

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 23/11/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-16

Co-ordinates E=(-)550.000
N=(-)923.000

Field Test	Nos	Samples	Nos	Commencement Date : 08/11/15
Penetrometer (SPT)	21	Undisturbed (UDS)	2	Completion Date : 11/11/15
Cone (Pc)		Penetrometer (SPT)	21	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	21	Level Of Ground : 142.742 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 4.6 m.

DESCRIPTION	SYMBOL	N-VALUE				SAMPLES	
		EACH DIVN. = 15cm.				Ref. No	Depth (m)
15.50m		100	Refusal			DS-17 *SPT-17	15.75-15.78 15.75
			3.0 cm Pentn.			R10	CR=NIL RQD=NIL
		100	Refusal			DS-18 *SPT-18	16.50-16.55 16.50
			5.0 cm Pentn.			R11	CR=NIL RQD=NIL
		100	Refusal			DS-19 *SPT-19	17.25-17.28 17.25
			3.0 cm Pentn.			R12	CR=NIL RQD=NIL
		100	Refusal			DS-20 *SPT-20	18.00-18.04 18.00
			4.0 cm Pentn.			R13	CR=NIL RQD=NIL
		100	Refusal			DS-21 *SPT-21	18.75-18.79 18.75
			4.0 cm Pentn.			R14	CR=68% RQD=20%
18.75m		100				R15	CR=60% RQD=12%
			NX rotary drilling from 9.30m to 30.00m				19.50
						R16	CR=64% RQD=36%
						R17	CR=60% RQD=NIL
						R18	CR=64% RQD=NIL
						R19	CR=56% RQD=NIL
						R20	CR=40% RQD=NIL
						R21	CR=48% RQD=NIL
						R22	CR=56% RQD=NIL
25.50m						R23	CR=60% RQD=NIL
						R24	CR=61% RQD=NIL
						R25	CR=52% RQD=NIL
27.75m						R26	CR=60% RQD=NIL
28.50m						R27	CR=56% RQD=32%
						R28	CR=48% RQD=32%
30.00m							30.00

N.B. - '*' means sample could not be recovered.

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 23/11/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-17

Co-ordinates E=(-)530.000
N=(-)917.000

Field Test	Nos	Samples	Nos	Commencement Date : 08/11/15
Penetrometer (SPT)	14	Undisturbed (UDS)	1	Completion Date : 11/11/15
Cone (Pc)		Penetrometer (SPT)	14	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	16	Level Of Ground : 142.648 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 5.3 m.

DESCRIPTION	SYMBOL	N-VALUE					SAMPLES	
		EACH DIVN. = 15cm.					Ref. No	Depth (m)
0.00m							DS-1	0.50
Hard, greyish brown to brownish grey, silty clay with sand mixture. Obs. calcareous nodules.		17	30	60	90		SPT-1	1.00-1.45
							DS-2	1.60
							*UDS-1	2.00-2.45
							DS-3	2.50
		13	22	32	54		SPT-2	3.00-3.45
							DS-4	3.60
		11	17	28	45		SPT-3	4.00-4.45
							DS-5	4.70
							SPT-4	5.00-5.45
		10	19	21	40		DS-6	5.60
Hard, greyish yellow, silty clay with sand mixture. Obs. calcareous nodules.		18	23	29	52		SPT-5	6.00-6.45
							DS-7	6.70
		17	28	35	63		SPT-6	7.00-7.45
							DS-8	7.70
							SPT-7	8.00-8.25
Very dense, greyish yellow, silty sand.		34	100		>100	10.0 cm Pentn.	DS-9	8.60
		56	100		>100	3.0 cm Pentn.	SPT-8	9.00-9.18
							DS-10	9.60
		100			>100	8.0 cm Pentn.	SPT-9	10.00-10.08 10.00
Completely weathered, brownish yellow, decomposed & disintegrated rock particles collected as sludge.		100			Refusal	2.0 cm Pentn.	R1 DS-11	CR=NIL RQD=NIL 10.75-10.77 10.75
		100			Refusal	4.0 cm Pentn.	R2 DS-12	CR=NIL RQD=NIL 11.50-11.54 11.50
		100					*SPT-11	CR=21% RQD=NIL 12.25
Highly weathered, brownish white, medium grained, highly fractured rock.							R3	CR=22% RQD=NIL 13.00
							R4	CR=21% RQD=NIL 13.75
							R5	CR=22% RQD=NIL 14.50
							R6	CR=NIL RQD=NIL 15.25-15.28 15.25
							R7 DS-13	
Completely weathered, brownish yellow, decomposed & disintegrated rock particle collected as sludge.		100			>100	3.0 cm Pentn.	*SPT-12	
15.50m								

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**


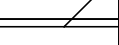
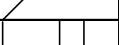
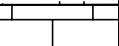
Job No : 3576I Created by : Chandrani Created on : 23/11/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-17

Co-ordinates E=(-)530.000
N=(-)917.000

Field Test	Nos	Samples	Nos	Commencement Date : 08/11/15
Penetrometer (SPT)	14	Undisturbed (UDS)	1	Completion Date : 11/11/15
Cone (Pc)		Penetrometer (SPT)	14	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	16	Level Of Ground : 142.648 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 5.3 m.

DESCRIPTION	SYMBOL	N-VALUE					SAMPLES	
		EACH DIVN. = 15cm.					Ref. No	Depth (m)
15.50m							R8 DS-14 *SPT-13	CR=NIL RQD=NIL 16.00-16.04
Completely weathered, brownish yellow, decomposed & disintegrated rock particle collected as sludge.		100	4.0 cm	Penth.			R9 DS-15 *SPT-14	CR=NIL RQD=NIL 16.75-16.79
		100	4.0 cm	Penth.			R10 DS-16 *SPT-15	CR=NIL RQD=NIL 17.50-17.52
17.50m		100	2.0 cm	Penth.			R11	CR=23% RQD=NIL
Highly weathered, light yellowish brown, medium to fine grained, highly fractured rock.							R12	CR=27% RQD=NIL
							R13	CR=24% RQD=NIL
							R14	CR=28% RQD=NIL
							R15	CR=25% RQD=NIL
21.25m							R16	CR=27% RQD=NIL
Highly weathered, light yellowish brown, medium to fine grained, highly fractured rock.							R17	CR=31% RQD=21%
							R18	CR=29% RQD=23%
							R19	CR=25% RQD=NIL
							R20	CR=28% RQD=NIL
							R21	CR=32% RQD=NIL
							R22	CR=30% RQD=NIL
							R23	CR=36% RQD=NIL
							R24	CR=36% RQD=NIL
							R25	CR=37% RQD=NIL
28.75m							R26	CR=52% RQD=NIL
Moderately weathered, light yellowish brown, medium to fine grained, highly fractured rock.							R27	CR=56% RQD=NIL
30.00m								
N.B. - '*' means sample could not be recovered.								

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 08/12/2015 Sheet No:

BORE LOG DATA SHEET **BORE HOLE NO. IBH-19** Co-ordinates E=(-)518.000 N=(-)905.000

Field Test	Nos	Samples	Nos	Commencement Date : 21/11/15
Penetrometer (SPT)	8	Undisturbed (UDS)	1	Completion Date : 23/11/15
Cone (Pc)		Penetrometer (SPT)	8	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	8	Level Of Ground : 142.824 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 2.4 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m								DS-1	0.50
Very stiff, deep yellowish brown, silty clay.		4	6	10		16		SPT-1	1.00-1.45
								DS-2	1.70
								UDS-1	2.00-2.45
								DS-3	2.60
3.00m		14	23	27		50		SPT-2	3.00-3.45
Hard, brownish yellow, silty clay / clayey silt with sand & kankars.						77		DS-4	3.60
		25	35	42				SPT-3	4.00-4.45
5.00m		22	37	46		83		DS-5	4.75
Hard, brownish yellow, silty clay / clayey silt with sand. Obs. calcareous nodules.						>100		SPT-4	5.00-5.45
		36	65	100				DS-6	5.70
6.50m					5.0	cm Pentn.		SPT-5	6.00-6.35
Hard, light brownish yellow, silty clay / clayey silt with sand mixture.						>100		DS-7	6.50
		72	100					SPT-6	7.00-7.20
					5.0	cm Pentn.		DS-8	7.50
		100				>100		SPT-7	8.00-8.10
8.25m		100			10.0	cm Pentn.		*SPT-8	8.25-8.28 8.25
Highly to moderately weathered, brownish yellow, medium to coarse grained rock.					3.0	cm Pentn.		R1	CR=25% RQD=NIL
									9.00
								R2	CR=38% RQD=NIL
									9.75
								R3	CR=32% RQD=13%
									10.50
								R4	CR=28% RQD=NIL
									11.25
								R5	CR=32% RQD=NIL
									12.00
								R6	CR=31% RQD=NIL
									12.75
								R7	CR=26% RQD=NIL
									13.50
								R8	CR=32% RQD=NIL
									14.25
								R9	CR=40% RQD=28%
									15.00
15.50m								R10	CR=35% RQD=13%

NX rotary drilling from 8.25m to 30.00m

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 08/12/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-19

Co-ordinates E=(-)518.000
N=(-)905.000

Field Test	Nos	Samples	Nos	Commencement Date : 21/11/15
Penetrometer (SPT)	8	Undisturbed (UDS)	1	Completion Date : 23/11/15
Cone (Pc)		Penetrometer (SPT)	8	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	8	Level Of Ground : 142.824 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 2.4 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
<p>15.50m</p> <p>Highly to moderately weathered, brownish yellow, medium to coarse grained rock.</p> <p>30.00m</p> <p>N.B. - '*' means sample could not be recovered.</p>								R11	CR=28% RQD=17% 15.75
								R12	CR=32% RQD=13% 16.50
								R13	CR=28% RQD=NIL 17.25
								R14	CR=38% RQD=NIL 18.00
								R15	CR=39% RQD=17% 18.75
								R16	CR=40% RQD=13% 19.50
								R17	CR=37% RQD=NIL 20.25
								R18	CR=44% RQD=13% 21.00
								R19	CR=46% RQD=NIL 21.75
								R20	CR=41% RQD=NIL 22.50
								R21	CR=36% RQD=32% 23.25
								R22	CR=40% RQD=37% 24.00
								R23	CR=44% RQD=27% 24.75
								R24	CR=40% RQD=NIL 25.50
								R25	CR=33% RQD=NIL 26.25
								R26	CR=36% RQD=NIL 27.00
								R27	CR=32% RQD=NIL 27.75
								R28	CR=34% RQD=NIL 28.50
								R29	CR=32% RQD=NIL 29.25
									30.00

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 23/11/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-21

Co-ordinates E=(-)544.000
N=(-)843.000

Field Test	Nos	Samples	Nos	Commencement Date : 05/11/15
Penetrometer (SPT)	7	Undisturbed (UDS)	2	Completion Date : 07/11/15
Cone (Pc)		Penetrometer (SPT)	7	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	8	Level Of Ground : 142.622 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 4.3 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m									
Stiff to very stiff, greyish yellow, silty clay. Obs. calcareous nodules.								DS-1	0.50
						11		SPT-1	1.00-1.45
		4	5	6				DS-2	1.60
								UDS-1	2.00-2.45
						22		DS-3	2.60
		6	10	12				SPT-2	3.00-3.45
								DS-4	3.60
						26		UDS-2	4.00-4.45
		6	11	15				DS-5	4.60
						43		SPT-3	5.00-5.45
5.60m								DS-6	5.60
Hard, yellowish grey, silty clay with sand mixture.		11	16	27				SPT-4	6.00-6.45
						>100		DS-7	6.70
7.00m		48	100					SPT-5	7.00-7.25
Very dense, greyish yellow, silty sand.					10.0 cm Pentn.			DS-8	7.70
					>100			SPT-6	8.00-8.12
8.50m		100			12.0 cm Pentn.			*SPT-7	8.50-8.54
Highly weathered, greyish yellow, fine grained, completely decomposed & disintegrated rock.					Refusal			R1	CR=24% RQD=NIL
					4.0 cm Pentn.			R2	CR=28% RQD=NIL
10.00m								R3	CR=26% RQD=NIL
Highly to moderately weathered, brownish grey to greyish brown, medium to coarse grained rock.								R4	CR=30% RQD=16%
								R5	CR=24% RQD=NIL
								R6	CR=44% RQD=16%
								R7	CR=30% RQD=NIL
								R8	CR=28% RQD=NIL
								R9	CR=29% RQD=NIL
									13.75
									14.50
									15.25
15.50m									

NX rotary drilling from 8.50m to 30.00m

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana.

Job No : 3576I

Created by : Chandrani

Created on : 23/11/2015

Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-21

Co-ordinates

E=(-)544.000

N=(-)843.000

Field Test

Nos

Samples

Nos

Commencement Date : 05/11/15

Completion Date : 07/11/15

Bore Hole Diameter : 150 mm. / N.X.

Level Of Ground : 142.622 m.

Water Struck At :

Standing Water Level : 4.3 m.

Penetrometer (SPT)

7

Undisturbed (UDS)

2

Cone (Pc)

Penetrometer (SPT)

7

Disturbed (DS)

8

Vane (V)

Water Sample (WS)

0

DESCRIPTION

SYMBOL

N-VALUE

EACH DIVN. = 15cm.

Ref. No

SAMPLES

Depth (m)

15.50m

Highly to moderately weathered, brownish grey to greyish brown, medium to coarse grained rock.

28.50m

Moderately weathered, deep blackish grey, fine grained rock.

30.00m

N.B. - '*' means sample could not be recovered.

R10

CR=31%
RQD=NIL

16.00

R11

CR=28%
RQD=NIL

16.75

R12

CR=26%
RQD=NIL

17.50

R13

CR=32%
RQD=NIL

18.25

R14

CR=36%
RQD=NIL

19.00

R15

CR=29%
RQD=NIL

19.75

R16

CR=34%
RQD=NIL

20.25

R17

CR=29%
RQD=NIL

21.00

R18

CR=32%
RQD=NIL

21.75

R19

CR=28%
RQD=NIL

22.50

R20

CR=34%
RQD=14%

23.25

R21

CR=36%
RQD=16%

24.00

R22

CR=29%
RQD=NIL

24.75

R23

CR=38%
RQD=NIL

25.50

R24

CR=52%
RQD=33%

26.25

R25

CR=32%
RQD=NIL

27.00

R26

CR=36%
RQD=16%

27.75

R27

CR=37%
RQD=NIL

28.50

R28

CR=54%
RQD=NIL

29.25

R29

CR=45%
RQD=NIL

30.00

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BH-21/Sheet-2

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 16/11/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-22

Co-ordinates E=(-)16.000
N=(-)346.000

Field Test	Nos	Samples	Nos	Commencement Date : 27/10/15
Penetrometer (SPT)	8	Undisturbed (UDS)	1	Completion Date : 30/10/15
Cone (Pc)		Penetrometer (SPT)	8	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	5	Level Of Ground : 144.192 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 4.2 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m									
Medium, blackish grey, silty clay with sand mixture.		4	4	4			8	DS-1	0.50
								SPT-1	1.00-1.45
								DS-2	1.60
								UDS-1	2.00-2.45
2.60m							91	SPT-2	3.00-3.45
Hard, yellowish brown, silty clay with sand mixture.		29	32	59				DS-3	3.60
							90	SPT-3	4.00-4.45
4.00m		33	41	49					
Very dense, yellowish brown, silty sand.							63	SPT-4	5.00-5.45
		45	25	38				DS-4	5.60
5.50m							66	SPT-5	6.00-6.45
Hard, brownish grey, silty clay Obs. calcareous nodules.		19	24	42				SPT-6	7.00-7.45
							64	SPT-7	8.00-8.20
							>100		
		68	100					SPT-7	8.00-8.20
8.50m		100						*SPT-8	8.50-8.56 8.50
								R1	CR=32% RQD=NIL
								R2	CR=38% RQD=NIL
								R3	CR=37% RQD=NIL
								R4	CR=36% RQD=NIL
								R5	CR=38% RQD=NIL
								R6	CR=42% RQD=NIL
								R7	CR=41% RQD=NIL
								R8	CR=46% RQD=NIL
								R9	CR=40% RQD=NIL
									14.50
									15.25
13.00m									
Highly to moderately weathered, light brownish grey to blackish grey, fine grained, moderately fractured rock.									
15.50m									

NX rotary drilling from 8.50m to 30.00m

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 16/11/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-22

Co-ordinates E=(-)16.000
N=(-)346.000

Field Test	Nos	Samples	Nos	Commencement Date : 27/10/15
Penetrometer (SPT)	8	Undisturbed (UDS)	1	Completion Date : 30/10/15
Cone (Pc)		Penetrometer (SPT)	8	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	5	Level Of Ground : 144.192 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 4.2 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
Highly to moderately weathered, light brownish grey to blackish grey, fine grained, moderately fractured rock.								R10	CR=36% RQD=NIL 15.50m 16.00
								R11	CR=32% RQD=NIL 16.75
								R12	CR=40% RQD=NIL 17.50
								R13	CR=46% RQD=NIL 18.25
								R14	CR=53% RQD=18% 19.00
								R15	CR=48% RQD=NIL 19.75
Moderately weathered, light brownish grey to blackish grey, fine grained, moderately fractured rock.								R16	CR=56% RQD=NIL 20.50
								R17	CR=58% RQD=NIL 21.25
								R18	CR=61% RQD=37% 22.00
								R19	CR=62% RQD=37% 22.75
								R20	CR=46% RQD=NIL 23.50
								R21	CR=36% RQD=NIL 24.25
Moderately to slightly weathered, brownish grey, fine to medium grained rock. Obs. laminated sandstone.								R22	CR=53% RQD=NIL 25.00
								R23	CR=55% RQD=NIL 25.75
								R24	CR=62% RQD=21% 26.50
								R25	CR=72% RQD=49% 27.25
								R26	CR=62% RQD=21% 28.00
								R27	CR=45% RQD=20% 28.75
Moderately to slightly weathered, blackish grey, fine grained rock.								R28	CR=69% RQD=NIL 29.50
								R29	CR=58% RQD=30% 30.00
N.B. - '*' means sample could not be recovered.									

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 27/11/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-23

Co-ordinates E=(-)504.00
N=(-)808.000

Field Test	Nos	Samples	Nos	Commencement Date : 19/11/15
Penetrometer (SPT)	6	Undisturbed (UDS)	3	Completion Date : 20/11/15
Cone (Pc)		Penetrometer (SPT)	6	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	7	Level Of Ground : 142.46 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 2.65 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m Medium blackish grey, silty clay.								DS-1	0.50
		2	3	3			6	SPT-1	1.00-1.45
1.75m Very stiff, brownish yellow, silty clay. Obs. calcareous nodules & sand mixture.								DS-2	1.75
								UDS-1	2.00-2.45
		5	8	10			18	DS-3	2.70
								SPT-2	3.00-3.45
								DS-4	3.70
								UDS-2	4.00-4.45
4.75m Hard, brownish yellow, silty clay. Obs. calcareous nodules.								DS-5	4.75
		18	27	34			61	SPT-3	5.00-5.45
								*UDS-3	6.00-6.09
							97	SPT-4	6.40-6.85
		20	35	62			>100	DS-6	7.00
7.25m Hard, brownish yellow, silty clay with decomposed rock.								SPT-5	7.00-7.25
		32	100					DS-7	7.50
8.00m Highly weathered, light brownish yellow, medium to fine grained, highly to moderately fractured rock.								*SPT-6	8.00-8.07
		100						R1	8.00
									CR=25% RQD=NIL
								R2	8.75
									CR=29% RQD=NIL
								R3	9.50
									CR=39% RQD=13%
								R4	10.25
									CR=34% RQD=NIL
								R5	11.00
									CR=28% RQD=NIL
								R6	11.75
									CR=36% RQD=NIL
								R7	12.50
									CR=40% RQD=NIL
								R8	13.25
									CR=40% RQD=NIL
								R9	14.00
									CR=40% RQD=NIL
								R10	14.75
									CR=39% RQD=NIL
15.50m									15.50

NX rotary drilling from
8.00m to 30.00m

10.0 cm Pentn.
Refusal

7.0 cm Pentn.

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 27/11/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-23

Co-ordinates E=(-)504.00
N=(-)808.000

Field Test	Nos	Samples	Nos	Commencement Date : 19/11/15
Penetrometer (SPT)	6	Undisturbed (UDS)	3	Completion Date : 20/11/15
Cone (Pc)		Penetrometer (SPT)	6	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	7	Level Of Ground : 142.46 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 2.65 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
Highly weathered, light brownish yellow, medium to fine grained, highly to moderately fractured rock.	15.50m							R11	CR=35% RQD=NIL
								R12	CR=29% RQD=NIL
								R13	CR=33% RQD=NIL
								R14	CR=32% RQD=NIL
								R15	CR=35% RQD=NIL
								R16	CR=36% RQD=NIL
								R17	CR=28% RQD=NIL
								R18	CR=36% RQD=NIL
Moderately weathered, light brownish yellow, medium to fine grained, moderately fractured rock.	21.50m							R19	CR=52% RQD=35%
								R20	CR=44% RQD=42%
								R21	CR=45% RQD=21%
								R22	CR=42% RQD=NIL
								R23	CR=44% RQD=25%
								R24	CR=40% RQD=NIL
								R25	CR=42% RQD=NIL
								R26	CR=45% RQD=NIL
								R27	CR=42% RQD=NIL
								R28	CR=43% RQD=NIL
								R29	CR=40% RQD=NIL
N.B. - '*' means sample could not be recovered.	30.00m								

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 24/12/2015 Sheet No:

BORE LOG DATA SHEET **BORE HOLE NO. IBH-25** Co-ordinates E=(-)363.000 N=(-)905.000

Field Test	Nos	Samples	Nos	Commencement Date : 29/11/15
Penetrometer (SPT)	10	Undisturbed (UDS)	2	Completion Date : 01/12/15
Cone (Pc)		Penetrometer (SPT)	10	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	11	Level Of Ground : 142.849 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 2.4 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m Medium, brownish yellow, silty clay with sand mixture. Obs. calcareous nodules.								DS-1	0.50
		3	3	4				SPT-1	1.00-1.45
								DS-2	1.75
								UDS-1	2.00-2.45
2.75m Hard, brownish yellow, silty clay with sand mixture. Obs. calcareous nodules.								DS-3	2.75
		12	19	22				SPT-2	3.00-3.45
								DS-4	3.75
								*UDS-2	4.00-4.09
		13	24	31				SPT-3	4.50-4.95
								DS-5	5.50
		15	35	42				SPT-4	6.00-6.45
6.75m Very dense, yellowish brown, silty sand with decomposed rock.								DS-6	6.75
		50	19	100				SPT-5	7.00-7.20
								DS-7	7.50
8.00m		100						*SPT-6	8.00-8.06
								R1	CR=28% RQD=NIL
								R2	CR=32% RQD=16%
								R3	CR=31% RQD=13%
								R4	CR=28% RQD=NIL
								R5	CR=39% RQD=16%
								R6	CR=29% RQD=NIL
								R7	CR=35% RQD=NIL
								R8	CR=33% RQD=16%
								R9	CR=35% RQD=16%
								R10	CR=37% RQD=13%
15.50m Highly weathered, yellowish brown, medium grained, highly fractured rock.									15.50

NX rotary drilling from 8.00m to 30.00m

Job No : 3576I

Created by : Chandrani

Created on : 24/12/2015

Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-25

Co-ordinates E=(-)363.000
N=(-)905.000

Field Test	Nos	Samples	Nos	Commencement Date : 29/11/15
Penetrometer (SPT)	10	Undisturbed (UDS)	2	Completion Date : 01/12/15
Cone (Pc)		Penetrometer (SPT)	10	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	11	Level Of Ground : 142.849 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 2.4 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
15.50m								R11	CR=40% RQD=NIL
								R12	CR=28% RQD=NIL
								R13	CR=27% RQD=13%
Highly weathered, yellowish brown, medium grained, highly fractured rock.								R14	CR=25% RQD=NIL
								R15	CR=32% RQD=23%
								R16	CR=36% RQD=13%
								R17	CR=39% RQD=20%
20.75m								R18	CR=40% RQD=NIL
Highly weathered, blackish grey, medium to fine grained, highly fractured rock.								R19	CR=33% RQD=NIL
								R20	CR=40% RQD=NIL
23.00m								R21	CR=32% RQD=20%
Highly weathered, brownish grey, fine grained, highly fractured rock.								R22	CR=29% RQD=NIL
								R23	CR=28% RQD=NIL
25.25m								R24	CR=NIL RQD=NIL
								DS-8	
								*SPT-7	26.00-26.08
								R25	CR=NIL RQD=NIL
								DS-9	
								*SPT-8	26.75-26.77
Completely weathered, yellowish brown, medium grained, highly fractured rock.								R26	CR=24% RQD=13%
									27.50
								R27	CR=NIL RQD=NIL
								DS-10	
								*SPT-9	28.25-28.28
								R28	CR=NIL RQD=NIL
								DS-11	
								*SPT-10	29.00-29.02
29.00m								R29	CR=28% RQD=NIL
Highly weathered, yellowish brown, medium grained, highly fractured rock.									30.00
30.00m									
N.B. - '*' means sample could not be recovered.									

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 15/12/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-26

Co-ordinates E=(-)375.000
N=(-)929.000

Field Test	Nos	Samples	Nos	Commencement Date : 24/11/15
Penetrometer (SPT)	5	Undisturbed (UDS)	2	Completion Date : 28/11/15
Cone (Pc)		Penetrometer (SPT)	5	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	5	Level Of Ground : 142.408 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 3.7 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m Stiff, light yellowish grey to brownish grey, silty clay. Obs. sand mixture.								DS-1	0.50
1.50m		4	5	7	12			SPT-1 DS-2	1.00-1.45 1.50
Hard, light yellowish grey, silty clay with grey patches & calcareous nodules								UDS-1	2.00-2.45
4.00m		13	17	22	39			SPT-2	3.00-3.45
Very dense, yellowish brown, silty sand.								*UDS-2	4.00-4.10
								DS-3	4.50
		70	100		>100			SPT-3	5.00-5.25
					10.0 cm Pentn.			DS-4	5.60
		100			>100			SPT-4	6.00-6.13
					13.0 cm Pentn.			DS-5	6.50
		100			Refusal			*SPT-5	7.00-7.06
					6.0 cm Pentn.			R1	7.00 CR=28% RQD=NIL
								R2	7.75 CR=35% RQD=NIL
								R3	8.50 CR=28% RQD=NIL
								R4	9.25 CR=32% RQD=NIL
								R5	10.00 CR=32% RQD=NIL
								R6	10.75 CR=40% RQD=28%
								R7	11.50 CR=40% RQD=NIL
								R8	12.25 CR=36% RQD=NIL
								R9	13.00 CR=33% RQD=NIL
								R10	13.75 CR=36% RQD=NIL
								R11	14.50 CR=27% RQD=NIL
									15.25
									15.50

NX rotary drilling from 7.00m to 30.00m

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

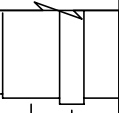
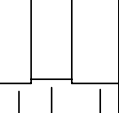
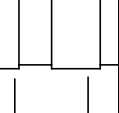
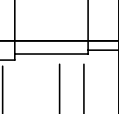
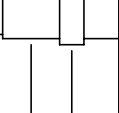
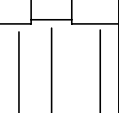
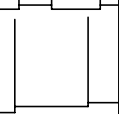

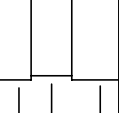
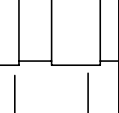
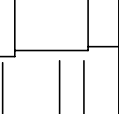
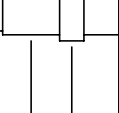
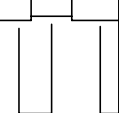
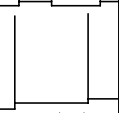
Job No : 3576I Created by : Chandrani Created on : 15/12/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-26

Co-ordinates E=(-)375.000
N=(-)929.000

Field Test	Nos	Samples	Nos	Commencement Date : 24/11/15
Penetrometer (SPT)	5	Undisturbed (UDS)	2	Completion Date : 28/11/15
Cone (Pc)		Penetrometer (SPT)	5	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	5	Level Of Ground : 142.408 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 3.7 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
Highly weathered, light yellowish grey, medium grained, highly fractured rock.								R12	CR=35% RQD=NIL 15.50m
								R13	CR=28% RQD=NIL 16.00
								R14	CR=36% RQD=NIL 16.75
								R15	CR=33% RQD=NIL 17.50
								R16	CR=32% RQD=NIL 18.25
								R17	CR=33% RQD=NIL 19.00
Highly weathered, brownish yellow, medium grained, highly fractured rock.								R18	CR=37% RQD=NIL 19.75
								R19	CR=32% RQD=NIL 20.50
								R20	CR=34% RQD=NIL 21.25
								R21	CR=32% RQD=NIL 22.00
								R22	CR=33% RQD=NIL 22.75
								R23	CR=28% RQD=NIL 23.50
								R24	CR=27% RQD=13% 24.25
								R25	CR=28% RQD=NIL 25.00
								R26	CR=32% RQD=NIL 25.75
								R27	CR=36% RQD=28% 26.50
								R28	CR=28% RQD=NIL 27.25
								R29	CR=32% RQD=NIL 28.00
								R30	CR=36% RQD=NIL 28.75
								R31	CR=34% RQD=NIL 29.50
									30.00

N.B. - '*' means sample could not be recovered.

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 24/12/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-27

Co-ordinates E=(-)452.000
N=(-)1009.000

Field Test	Nos	Samples	Nos	Commencement Date : 02/12/15
Penetrometer (SPT)	5	Undisturbed (UDS)	2	Completion Date : 04/12/15
Cone (Pc)		Penetrometer (SPT)	5	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	7	Level Of Ground : 142.537 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 3.8 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m Top soil consists of reddish brown, silty sand.								DS-1	0.50
0.70m Stiff, brownish grey, silty clay with sand mixture. Obs. calcareous nodules.		4	4	5		9		SPT-1	1.00-1.45
1.70m Hard, brownish grey, silty clay with sand mixture. Obs. calcareous nodules.		9	16	19		35		DS-2	1.70
								UDS-1	2.00-2.45
								DS-3	2.70
								SPT-2	3.00-3.45
								DS-4	3.70
								*UDS-2	4.00-4.07
4.30m Very dense, yellowish brown, silty sand.		53	100			>100		DS-5	4.50
								SPT-3	5.00-5.22
								DS-6	5.70
								*SPT-4	6.00-6.05
6.50m Highly weathered, greyish yellow, fine to coarse grained, highly fractured rock.								*SPT-5	6.50-6.53
								R1	CR=27% RQD=NIL
								R2	CR=26% RQD=NIL
								R3	CR=28% RQD=NIL
								R4	CR=36% RQD=NIL
								R5	CR=28% RQD=NIL
								R6	CR=37% RQD=NIL
								R7	CR=33% RQD=NIL
								R8	CR=32% RQD=NIL
								R9	CR=37% RQD=NIL
								R10	CR=47% RQD=44%
								R11	CR=39% RQD=13%
								R12	CR=41% RQD=34%
13.25m Highly to moderately weathered, light yellowish brown, medium to coarse grained, medium fractured rock.									
15.50m									

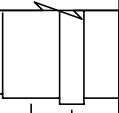
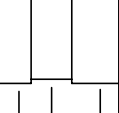
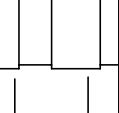
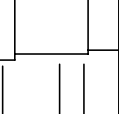
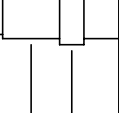
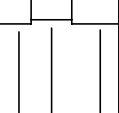
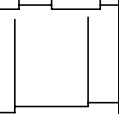
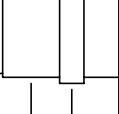
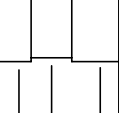
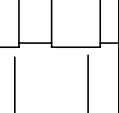
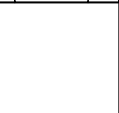

NX rotary drilling from 6.50m to 30.00m

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 24/12/2015 Sheet No:

BORE LOG DATA SHEET **BORE HOLE NO. IBH-27** Co-ordinates E=(-)452.000 N=(-)1009.000

Field Test	Nos	Samples	Nos	Commencement Date : 02/12/15
Penetrometer (SPT)	5	Undisturbed (UDS)	2	Completion Date : 04/12/15
Cone (Pc)		Penetrometer (SPT)	5	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	7	Level Of Ground : 142.537 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 3.8 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
Highly to moderately weathered, light yellowish brown, medium to coarse grained, medium fractured rock.								R13	CR=44% RQD=35% 15.50m
								R14	CR=36% RQD=16% 16.25
								R15	CR=42% RQD=NIL 17.00
								R16	CR=35% RQD=31% 17.75
								R17	CR=55% RQD=39% 18.50
								R18	CR=39% RQD=25% 19.25
								R19	CR=44% RQD=28% 20.00
								R20	CR=38% RQD=32% 20.75
								R21	CR=40% RQD=27% 21.50
								R22	CR=45% RQD=24% 22.25
								R23	CR=48% RQD=13% 23.00
								R24	CR=44% RQD=17% 23.75
								R25	CR=43% RQD=16% 24.50
								R26	CR=48% RQD=24% 25.25
								R27	CR=40% RQD=33% 26.00
N.B. - '*' means sample could not be recovered.								R28	CR=43% RQD=19% 26.75
								R29	CR=39% RQD=13% 27.50
								R30	CR=45% RQD=20% 28.25
								R31	CR=42% RQD=38% 29.00
									30.00m

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 24/12/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-28

Co-ordinates E=(-)438.000 N=(-)1025.000

Field Test	Nos	Samples	Nos	Commencement Date : 04/12/15
Penetrometer (SPT)	5	Undisturbed (UDS)	2	Completion Date : 07/12/15
Cone (Pc)		Penetrometer (SPT)	5	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	7	Level Of Ground : 142.514 m.
		Water Sample (WS)	1	Water Struck At :
				Standing Water Level : 3.7 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m Medium, yellowish brown, silty clay. Obs. calcareous nodules & sand mixture.		2	2	2	4			DS-1	0.50
1.80m Very stiff, yellowish brown, silty clay. Obs. calcareous nodules & sand mixture.		7	9	12	21			SPT-1	1.00-1.45
4.50m Dense, brownish grey, silty sand. Obs. clay binder & calcareous nodules.		15	13	20	33			DS-2	1.80
5.80m Very dense, brownish grey, silty sand. Obs. clay binder & calcareous nodules.		70	100		>100			UDS-1	2.00-2.45
7.00m Highly weathered, yellowish brown, medium grained, highly fractured rock		100			Refusal			DS-3	2.70
13.00m Highly to moderately weathered, brownish grey, medium grained, medium fractured rock.								SPT-2	3.00-3.45
15.50m								WS-1	3.70
								DS-4	3.80
								UDS-2	4.00-4.45
								DS-5	4.80
								SPT-3	5.00-5.45
								DS-6	5.80
								SPT-4	6.00-6.25
								*SPT-5	7.00-7.03
								R1	CR=33% RQD=NIL
								R2	CR=31% RQD=NIL
								R3	CR=33% RQD=NIL
								R4	CR=31% RQD=NIL
								R5	CR=29% RQD=NIL
								R6	CR=28% RQD=NIL
								R7	CR=28% RQD=13%
								R8	CR=26% RQD=NIL
								R9	CR=48% RQD=NIL
								R10	CR=44% RQD=40%
								R11	CR=43% RQD=40%

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**








Job No : 3576I Created by : Chandrani Created on : 24/12/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-28

Co-ordinates E=(-)438.000
N=(-)1025.000

Field Test	Nos	Samples	Nos	Commencement Date : 04/12/15
Penetrometer (SPT)	5	Undisturbed (UDS)	2	Completion Date : 07/12/15
Cone (Pc)		Penetrometer (SPT)	5	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	7	Level Of Ground : 142.514 m.
		Water Sample (WS)	1	Water Struck At : Standing Water Level : 3.7 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
Highly to moderately weathered, brownish grey, medium grained, medium fractured rock.								R12	CR=52% RQD=33% 16.00
								R13	CR=41% RQD=20% 16.75
								R14	CR=42% RQD=NIL 17.50
								R15	CR=48% RQD=17% 18.25
								R16	CR=39% RQD=17% 19.00
								R17	CR=48% RQD=37% 19.75
								R18	CR=41% RQD=16% 20.50
								R19	CR=49% RQD=27% 21.25
								R20	CR=56% RQD=38% 22.00
								R21	CR=48% RQD=20% 22.75
								R22	CR=51% RQD=40% 23.50
								R23	CR=49% RQD=40% 24.25
								R24	CR=48% RQD=42% 25.00
								R25	CR=51% RQD=43% 25.75
								R26	CR=55% RQD=51% 26.50
								R27	CR=47% RQD=31% 27.25
								R28	CR=40% RQD=16% 28.00
								R29	CR=41% RQD=13% 28.75
								R30	CR=44% RQD=26% 29.50
								R31	CR=48% RQD=20% 30.00

N.B. - '*' means sample could not be recovered.

BORE HOLE NO. IBH-29

Co-ordinates E={-}692.000
N={-}769.000

Field Test	Nos	Samples	Nos	Commencement Date :	03/11/15
Penetrometer (SPT)	12	Undisturbed (UDS)	2	Completion Date :	07/11/15
Cone (Pc)		Penetrometer (SPT)	12	Bore Hole Diameter :	150 mm. / N.X.
Vane (V)		Disturbed (DS)	10	Level Of Ground :	142.442 m.
		Water Sample (WS)	0	Water Struck At :	
				Standing Water Level :	4.2 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES			
		EACH DIVN. = 15cm.						Ref. No	Depth (m)		
0.00m									DS-1	0.50	
		4	4	5		9			SPT-1	1.00-1.45	
									DS-2	1.75	
									UDS-1	2.00-2.45	
									DS-3	2.60	
		6	7	9		16			SPT-2	3.00-3.45	
									DS-4	3.75	
									UDS-2	4.00-4.45	
		5	6	6		12			SPT-3	5.00-5.45	
									DS-5	5.60	
	4	6	7		13			SPT-4	6.00-6.45		
6.70m								DS-6	6.70		
		21	37	48		85			SPT-5	7.00-7.45	
						>100			DS-7	7.70	
		100							SPT-6	8.00-8.08	
8.50m									*SPT-7	8.50-8.54	8.50
									R1	CR=20% RQD=NIL	↓
									*SPT-8	9.25-9.32	9.25
									R2	CR=NIL RQD=NIL	↓
									DS-8	CR=NIL RQD=NIL	↓
									SPT-9	10.00-10.10	10.00
									R3	CR=22% RQD=NIL	↓
									*SPT-10	10.75-10.79	10.75
									R4	CR=NIL RQD=NIL	↓
									DS-9	CR=NIL RQD=NIL	↓
								*SPT-11	11.50-11.55	11.50	
								R5	CR=18% RQD=NIL	↓	
								DS-10	CR=18% RQD=NIL	↓	
12.25m									*SPT-12	12.25-12.28	12.25
									R6	CR=28% RQD=NIL	↓
											13.00
									R7	CR=29% RQD=NIL	↓
									R8	CR=25% RQD=NIL	↓
										13.75	
										14.50	
								R9	CR=26% RQD=NIL	↓	
										15.25	
15.50m		NX rotary drilling from 8.50m to 30.00m									~

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 23/11/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-29

Co-ordinates E=(-)692.000
N=(-)769.000

Field Test	Nos	Samples	Nos	Commencement Date : 03/11/15
Penetrometer (SPT)	12	Undisturbed (UDS)	2	Completion Date : 07/11/15
Cone (Pc)		Penetrometer (SPT)	12	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	10	Level Of Ground : 142.442 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 4.2 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
Highly weathered, greyish yellow, medium to coarse grained, highly fractured rock.								R10	CR=28% RQD=NIL 15.50m
								R11	CR=32% RQD=NIL 16.00
								R12	CR=28% RQD=NIL 16.75
								R13	CR=40% RQD=NIL 17.50
Moderately to slightly weathered, greyish yellow, medium to coarse grained, highly fractured rock.								R14	CR=58% RQD=NIL 18.25
								R15	CR=52% RQD=NIL 19.00
								R16	CR=64% RQD=NIL 19.75
								R17	CR=68% RQD=NIL 20.50
								R18	CR=65% RQD=NIL 21.25
								R19	CR=44% RQD=21% 22.00
Highly to moderately weathered, greyish yellow, medium to coarse grained, highly fractured rock.								R20	CR=36% RQD=NIL 22.75
								R21	CR=37% RQD=NIL 23.50
								R22	CR=35% RQD=20% 24.25
								R23	CR=48% RQD=16% 25.00
								R24	CR=52% RQD=27% 25.75
								R25	CR=34% RQD=NIL 26.50
								R26	CR=40% RQD=NIL 27.25
								R27	CR=42% RQD=NIL 28.00
								R28	CR=48% RQD=20% 28.75
								R29	CR=54% RQD=NIL 29.50
N.B. - '*' means sample could not be recovered.									30.00

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 15/12/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-30

Co-ordinates E=(-)692.000
N=(-)633.000

Field Test	Nos	Samples	Nos	Commencement Date : 26/11/15
Penetrometer (SPT)	8	Undisturbed (UDS)	3	Completion Date : 29/11/15
Cone (Pc)		Penetrometer (SPT)	8	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	10	Level Of Ground : 143.504 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 3.4 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m								DS-1	0.50
Stiff, brownish yellow, silty clay with sand & kankars. Obs. calcareous nodules.		7	7	7		14		SPT-1	1.00-1.45
								DS-2	1.75
								UDS-1	2.00-2.45
2.50m		5	6	7		13		DS-3	2.70
Stiff to very stiff, blackish grey to brownish grey, silty clay Obs. calcareous nodules.								SPT-2	3.00-3.45
								DS-4	3.70
								UDS-2	4.00-4.45
		10	8	12		20		DS-5	4.70
								SPT-3	5.00-5.45
								DS-6	5.70
6.00m								UDS-3	6.00-6.45
Hard, light brownish yellow, silty clay with sand & kankars. Obs. calcareous nodules.								DS-7	6.70
		15	20	24		44		SPT-4	7.00-7.45
7.50m								DS-8	7.75
Very dense, brownish yellow, silty sand with decomposed rock.		24	45	100		>100		SPT-5	8.00-8.40
					10.0	cm Pentn.		DS-9	8.70
		36	65	100		>100		SPT-6	9.00-9.37
					7.0	cm Pentn.		DS-10	9.60
		100			13.0	cm Pentn.		SPT-7	10.00-10.13
10.25m		100				Refusal		*SPT-8	10.25-10.32
					7.0	cm Pentn.		R1	CR=40% RQD=NIL
								R2	CR=41% RQD=21%
Moderately weathered, brownish yellow, medium to coarse grained, highly to moderately fractured rock.								R3	CR=40% RQD=NIL
								R4	CR=42% RQD=13%
								R5	CR=44% RQD=21%
14.00m								R6	CR=56% RQD=40%
Moderately weathered, brownish yellow, medium to coarse grained, highly to moderately fractured rock.								R7	CR=58% RQD=50%
15.50m									15.50

NX rotary drilling from 10.25m to 30.00m

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 15/12/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-30

Co-ordinates E=(-)692.000
N=(-)633.000

Field Test	Nos	Samples	Nos	Commencement Date : 26/11/15
Penetrometer (SPT)	8	Undisturbed (UDS)	3	Completion Date : 29/11/15
Cone (Pc)		Penetrometer (SPT)	8	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	10	Level Of Ground : 143.504 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 3.4 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
Moderately weathered, brownish yellow, medium to coarse grained, highly to moderately fractured rock.	15.50m							R8	CR=60% RQD=57%
	16.25m							R9	CR=49% RQD=32%
								R10	CR=44% RQD=NIL
								R11	CR=40% RQD=13%
								R12	CR=48% RQD=13%
								R13	CR=50% RQD=15%
								R14	CR=45% RQD=NIL
Moderately weathered, brownish yellow, medium to coarse grained, moderately fractured rock.								R15	CR=52% RQD=16%
								R16	CR=48% RQD=NIL
								R17	CR=51% RQD=28%
								R18	CR=40% RQD=13%
								R19	CR=43% RQD=19%
								R20	CR=48% RQD=NIL
	25.25m							R21	CR=56% RQD=13%
								R22	CR=54% RQD=25%
								R23	CR=61% RQD=56%
Moderately to slightly weathered, brownish yellow, medium to coarse grained, moderately fractured rock.								R24	CR=64% RQD=28%
								R25	CR=60% RQD=17%
								R26	CR=62% RQD=NIL
	30.00m								

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 13/01/2016 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-31

Co-ordinates E=(-)693.000
N=(-)483.000

Field Test	Nos	Samples	Nos	Commencement Date : 15/11/15
Penetrometer (SPT)	5	Undisturbed (UDS)	3	Completion Date : 17/11/15
Cone (Pc)		Penetrometer (SPT)	5	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	7	Level Of Ground : 139.178 m.
		Water Sample (WS)	1	Water Struck At :
				Standing Water Level : 2.1 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m Top soil consists of blackish grey, clayey silt with sand mixture. Obs. 0.50m rusty spots.								DS-1	0.50
Stiff, blackish grey to brownish grey, silty clay with sand mixture. Obs. kankars & calcareous nodules.		6	6	7				SPT-1	1.00-1.45
					13			DS-2	1.75
								UDS-1	2.00-2.45
2.70m								WS-1	2.10
Very stiff, greyish brown, silty clay with sand mixture. Obs. calcareous nodules.		6	7	10				DS-3	2.70
					17			SPT-2	3.00-3.45
								DS-4	3.75
4.75m								UDS-2	4.00-4.45
Medium dense, brownish yellow, silty sand. Obs. clay binder & calcareous nodules.		8	7	11				DS-5	4.75
					18			SPT-3	5.00-5.45
								DS-6	5.70
5.70m								*UDS-3	6.00-6.08
Very dense, brownish yellow, silty sand Obs. clay binder & calcareous nodules.		36	67	100				SPT-4	6.50-6.85
					>100			DS-7	7.00
								*SPT-5	7.25-7.32
6.85m								R1	CR=28% RQD=NIL
Very dense, yellowish brown, silty sand.		100			Refusal			R2	CR=36% RQD=21%
								R3	CR=38% RQD=36%
								R4	CR=36% RQD=16%
Highly to moderately weathered, light brownish yellow, medium to fine grained, highly fractured rock								R5	CR=44% RQD=16%
								R6	CR=48% RQD=16%
								R7	CR=80% RQD=76%
11.75m								R8	CR=60% RQD=43%
Moderately to slightly weathered, brownish yellow, fine grained, slightly fractured rock.								R9	CR=72% RQD=62%
								R10	CR=64% RQD=36%
								R11	CR=76% RQD=63%
15.50m									15.50

NX rotary drilling from 7.25m to 30.00m

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 13/01/2016 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-31

Co-ordinates E=(-)693.000
N=(-)483.000

Field Test	Nos	Samples	Nos	Commencement Date : 15/11/15
Penetrometer (SPT)	5	Undisturbed (UDS)	3	Completion Date : 17/11/15
Cone (Pc)		Penetrometer (SPT)	5	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	7	Level Of Ground : 139.178 m.
		Water Sample (WS)	1	Water Struck At : Standing Water Level : 2.1 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
15.50m									
								R12	CR=68% RQD=64% 16.25
								R13	CR=73% RQD=60% 17.00
								R14	CR=50% RQD=40% 17.75
								R15	CR=64% RQD=40% 18.50
								R16	CR=56% RQD=49% 19.25
								R17	CR=64% RQD=61% 20.00
								R18	CR=56% RQD=36% 20.75
⇒ Moderately to slightly weathered, brownish yellow, fine grained, slightly fractured rock.								R19	CR=60% RQD=32% 21.50
								R20	CR=62% RQD=51% 22.25
								R21	CR=60% RQD=56% 23.00
								R22	CR=50% RQD=48% 23.75
								R23	CR=56% RQD=36% 24.50
								R24	CR=50% RQD=36% 25.25
								R25	CR=55% RQD=35% 26.00
								R26	CR=56% RQD=28% 26.75
26.75m								R27	CR=64% RQD=27% 27.50
								R28	CR=60% RQD=20% 28.25
Moderately to slightly weathered, medium to fine grained, modeately fractured rock.								R29	CR=56% RQD=28% 29.00
								R30	CR=55% RQD=39% 30.00
30.00m									
N.B. — '*' means sample could not be recovered.									

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 13/01/2016 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-32

Co-ordinates E=(-)697.000
N=(-)338.000

Field Test	Nos	Samples	Nos	Commencement Date : 22/11/15
Penetrometer (SPT)	8	Undisturbed (UDS)	3	Completion Date : 24/11/15
Cone (Pc)		Penetrometer (SPT)	8	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	8	Level Of Ground : 138.906 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 2.3 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m Medium dense, brownish grey, silty sand with traces of kankars.								DS-1	0.50
1.60m		3	5	7	12			SPT-1	1.00-1.45
								DS-2	1.60
								*UDS-1	2.00-2.45
								DS-3	2.60
		2	4	6	10			SPT-2	3.00-3.45
								DS-4	3.60
								UDS-2	4.00-4.45
								DS-5	4.60
		6	6	8	14			SPT-3	5.00-5.45
5.50m Very dense, reddish grey, silty sand.								DS-6	5.60
								*UDS-3	6.00-6.45
								DS-7	6.60
		16	32	44	76			SPT-4	7.00-7.45
7.65m Very dense, reddish grey, silty sand with decomposed rock.								DS-8	7.65
		49	100		>100			SPT-5	8.00-8.20
					5.0 cm Pentn. Refusal				
9.00m		100			3.0 cm Pentn. Refusal			*SPT-6	9.00-9.03 9.00
								R1	CR=16% RQD=NIL
		100			3.0 cm Pentn. Refusal			*SPT-7	9.75-9.78 9.75
								R2	CR=20% RQD=NIL
		100			2.0 cm Pentn.			*SPT-8	10.50-10.52 10.50
								R3	CR=21% RQD=NIL
11.25m Highly weathered, light brownish yellow, fine to medium grained, fractured rock. Obs. clay binder.								R4	CR=27% RQD=NIL
								R5	CR=38% RQD=NIL
								R6	CR=32% RQD=NIL
12.75m								R7	CR=31% RQD=NIL
								R8	CR=36% RQD=NIL
								R9	CR=32% RQD=NIL
15.50m									

NX rotary drilling from 10.50m to 30.00m

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 13/01/2016 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-32

Co-ordinates E=(-)697.000
N=(-)338.000

Field Test	Nos	Samples	Nos	Commencement Date : 22/11/15
Penetrometer (SPT)	8	Undisturbed (UDS)	3	Completion Date : 24/11/15
Cone (Pc)		Penetrometer (SPT)	8	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	8	Level Of Ground : 138.906 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 2.3 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
Highly weathered, light brownish yellow, fine to medium grained, highly fractured rock.								R10	15.75
								R11	16.50
								R12	17.25
								R13	18.00
								R14	18.75
Highly to moderately weathered, brownish yellow, medium to coarse grained, highly to moderately fractured rock.								R15	19.50
								R16	20.25
								R17	21.00
								R18	21.75
								R19	22.50
								R20	23.25
								R21	24.00
								R22	24.75
								R23	25.50
Moderately weathered, brownish yellow, medium to coarse grained, highly to moderately fractured rock.								R24	26.25
								R25	27.00
								R26	27.75
								R27	28.50
								R28	29.25
									30.00

N.B. - '*' means sample could not be recovered.

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 08/12/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-33

Co-ordinates E=(-)687.000
N=(-)328.000

Field Test	Nos	Samples	Nos	Commencement Date : 19/11/15
Penetrometer (SPT)	6	Undisturbed (UDS)	3	Completion Date : 21/11/15
Cone (Pc)		Penetrometer (SPT)	6	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	8	Level Of Ground : 138.423 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 2.3 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m Stiff, blackish grey to brownish grey, silty clay with sand mixture.		7	5	10	15			DS-1	0.50
								SPT-1	1.00-1.45
								DS-2	1.75
								UDS-1	2.00-2.45
2.75m		1	1	2	3			DS-3	2.75
								SPT-2	3.00-3.45
								DS-4	3.75
								*UDS-2	4.00-4.45
								DS-5	4.75
Very loose, brownish yellow, silty sand.		2	1	2	3			SPT-3	5.00-5.45
								DS-6	5.75
								*UDS-3	6.00-6.45
								DS-7	6.75
								SPT-4	7.00-7.45
7.75m		8	7	10	17			DS-8	7.75
Very dense, brownish yellow, silty sand with decomposed rock.		26	100	3.0	>100	cm Pentn.		SPT-5	8.00-8.18
8.25m		100				Refusal		*SPT-6	8.25-8.32 8.25
						7.0 cm Pentn.		R1	CR=25% RQD=NIL
								R2	CR=36% RQD=NIL
								R3	CR=39% RQD=NIL
								R4	CR=40% RQD=13%
								R5	CR=40% RQD=16%
								R6	CR=36% RQD=NIL
								R7	CR=32% RQD=NIL
13.50m								R8	CR=48% RQD=28%
								R9	CR=45% RQD=16%
								R10	CR=50% RQD=45%
15.50m									

NX rotary drilling from 8.25m to 30.00m

BORE LOG DATA SHEET

BORE HOLE NO. IBH-33

Co-ordinates	E= $\{-$ 687.000 N= $\{-$ 328.000
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Field Test	Nos	Samples	Nos	Commencement Date :	19/11/15
Penetrometer (SPT)	6	Undisturbed (UDS)	3	Completion Date :	21/11/15
Cone (Pc)		Penetrometer (SPT)	6	Bore Hole Diameter :	150 mm. / N.X.
		Disturbed (DS)	8	Level Of Ground :	138.423 m.
Vane (V)		Water Sample (WS)	0	Water Struck At :	
				Standing Water Level :	2.3 m.

DESCRIPTION	SYMBOL	N-VALUE								SAMPLES			
		EACH	DIVN. = 15cm.							Ref. No	Depth (m)		
Moderately weathered, light brownish yellow, fine grained, moderately fractured rock.	15.50m											15.75	
										R11	CR=56% RQD=36%	16.50	
										R12	CR=48% RQD=32%	17.25	
										R13	CR=41% RQD=13%	18.00	
										R14	CR=40% RQD=NIL	18.75	
										R15	CR=42% RQD=16%	19.50	
										R16	CR=40% RQD=16%	20.25	
										R17	CR=55% RQD=53%	21.00	
										R18	CR=52% RQD=50%	21.75	
										R19	CR=48% RQD=20%	22.50	
										R20	CR=44% RQD=16%	23.25	
										R21	CR=41% RQD=NIL	24.00	
										R22	CR=52% RQD=36%	24.75	
										R23	CR=44% RQD=32%	25.50	
										R24	CR=41% RQD=23%	26.25	
										R25	CR=43% RQD=31%	27.00	
										R26	CR=40% RQD=38%	27.75	
										R27	CR=41% RQD=46%	28.50	
										R28	CR=48% RQD=46%	29.25	
										R29	CR=45% RQD=42%	30.00	
		30.00m											
	N.B. — '*' means sample could not be recovered.												

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 23/11/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-34

Co-ordinates E=(-)457.000
N=(-)335.000

Field Test	Nos	Samples	Nos	Commencement Date : 08/11/15
Penetrometer (SPT)	7	Undisturbed (UDS)	3	Completion Date : 12/11/15
Cone (Pc)		Penetrometer (SPT)	7	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	9	Level Of Ground : 144.631 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 4.3 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m								DS-1	0.50
Soft, brownish yellow, silty clay with sand mixture. Obs. calcareous nodules.		1	1	2				SPT-1	1.00-1.45
								DS-2	1.70
								UDS-1	2.00-2.45
								DS-3	2.75
2.75m		2	2	3				SPT-2	3.00-3.45
Medium, yellowish brown, silty clay. Obs. kankars.								DS-4	3.75
								UDS-2	4.00-4.45
4.45m		3	3	4				DS-5	4.70
Medium, brownish grey, silty clay with sand mixture.								SPT-3	5.00-5.45
								DS-6	5.70
5.70m								*UDS-3	6.00-6.45
Very dense, yellowish brown, silty sand.		34	100					DS-7	6.75
								SPT-4	7.00-7.23
		44	100					DS-8	7.60
								SPT-5	8.00-8.20
8.50m		100						DS-9	8.50
Hard, brownish yellow, silty clay with sand mixture.								SPT-6	9.00-9.13
								*SPT-7	9.25-9.31
9.25m								R1	CR=28% RQD=NIL
Highly weathered, brownish yellow, medium to coarse grained, highly fractured rock.								R2	CR=26% RQD=NIL
								R3	CR=30% RQD=NIL
								R4	CR=28% RQD=20%
								R5	CR=30% RQD=NIL
								R6	CR=28% RQD=26%
								R7	CR=26% RQD=NIL
								R8	CR=28% RQD=NIL
15.50m									

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 23/11/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-34

Co-ordinates E=(-)457.000
N=(-)335.000

Field Test	Nos	Samples	Nos	Commencement Date : 08/11/15
Penetrometer (SPT)	7	Undisturbed (UDS)	3	Completion Date : 12/11/15
Cone (Pc)		Penetrometer (SPT)	7	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	9	Level Of Ground : 144.631 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 4.3 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
Highly weathered, brownish yellow, medium to coarse grained, highly fractured rock.								R9	CR=25% RQD=NIL 15.50m
								R10	CR=30% RQD=NIL 16.00
								R11	CR=28% RQD=NIL 16.75
								R12	CR=26% RQD=NIL 17.50
								R13	CR=27% RQD=NIL 18.25
								R14	CR=28% RQD=26% 19.00
Highly to moderately weathered, yellowish brown, fine grained, highy to moderately fractured rock.								R15	CR=32% RQD=24% 19.75
								R16	CR=30% RQD=NIL 20.50
								R17	CR=36% RQD=NIL 21.25
								R18	CR=30% RQD=NIL 22.00
								R19	CR=28% RQD=24% 22.75
								R20	CR=36% RQD=23% 23.50
								R21	CR=48% RQD=14% 24.25
								R22	CR=50% RQD=13% 25.00
Moderately weathered, yellowish brown, fine grained, highly to moderately fractured rock.								R23	CR=60% RQD=44% 25.75
								R24	CR=58% RQD=36% 26.50
Moderately to slightly weathered, light greyish yellow, medium grained, highly fractured rock.								R25	CR=60% RQD=NIL 27.25
								R26	CR=57% RQD=NIL 28.00
								R27	CR=58% RQD=NIL 28.75
								R28	CR=60% RQD=NIL 29.50
N.B. - '*' means sample could not be recovered.									30.00

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 16/11/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-35

Co-ordinates E=(-)173.000
N=(-)340.000

Field Test	Nos	Samples	Nos	Commencement Date : 31/10/15
Penetrometer (SPT)	6	Undisturbed (UDS)	2	Completion Date : 03/11/15
Cone (Pc)		Penetrometer (SPT)	6	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	5	Level Of Ground : 143.761 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 4.1 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m								DS-1	0.50
Stiff, greyish brown, silty clay with sand & calcareous nodules.		3	3	7	10			SPT-1	1.00-1.45
								DS-2	1.50
								UDS-1	2.00-2.45
3.00m		6	6	7	13			DS-3	2.75
Stiff, yellowish brown, silty clay with kankar.								SPT-2	3.00-3.45
								DS-4	3.60
4.75m								UDS-2	4.00-4.45
Very dense, brownish yellow, silty sand with grey patches.		32	100		>100			DS-5	4.75
								SPT-3	5.00-5.24
5.50m		100			9.0 cm Pentn.			SPT-4	5.50-5.57
Highly weathered, yellowish grey, medium grained, highly fractured rock.					Refusal			R1	5.50
					7.0 cm Pentn.			R2	6.25
								R3	7.00
								R4	7.75
								R5	8.50
								R6	9.25
								R7	10.00
								R8	10.75
								R9	11.50
								R10	12.25
								R11	13.00
13.00m								R11	13.00
Completely weathered, decomposed & disintegrated rock particles collected as sludge.					Refusal			R12	13.75
					8.0 cm Pentn.			*SPT-5	13.75-13.83
14.50m								R13	14.50
Highly to moderately weathered, yellowish grey, medium grained, highly fractured rock.					Refusal			*SPT-6	14.50-14.59
					9.0 cm Pentn.			R13	15.25
15.50m									

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telangana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 16/11/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-35

Co-ordinates E=(-)173.000
N=(-)340.000

Field Test	Nos	Samples	Nos	Commencement Date : 31/10/15
Penetrometer (SPT)	6	Undisturbed (UDS)	2	Completion Date : 03/11/15
Cone (Pc)		Penetrometer (SPT)	6	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	5	Level Of Ground : 143.761 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 4.1 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
15.50m								R14	CR=28% RQD=NIL
Highly to moderately weathered, yellowish grey, medium grained, highly fractured rock.								R15	CR=56% RQD=NIL
								R16	CR=54% RQD=NIL
								R17	CR=41% RQD=20%
								R18	CR=43% RQD=14%
18.25m								R19	CR=60% RQD=56%
Moderately weathered, yellowish grey, medium grained, highly fractured rock.								R20	CR=40% RQD=NIL
								R21	CR=52% RQD=28%
								R22	CR=60% RQD=40%
								R23	CR=54% RQD=52%
20.50m								R24	CR=43% RQD=16%
Moderately weathered, yellowish brown, medium to fine grained, highly to moderately fractured rock.								R25	CR=52% RQD=26%
								R26	CR=54% RQD=33%
								R27	CR=56% RQD=40%
								R28	CR=58% RQD=20%
								R29	CR=54% RQD=26%
								R30	CR=58% RQD=56%
								R31	CR=42% RQD=21%
								R32	CR=44% RQD=NIL
28.75m								R33	CR=42% RQD=NIL
Moderately weathered, yellowish brown, medium to fine grained, highly to moderately fractured rock.									
30.00m									

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 23/11/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-38

Co-ordinates E=(-)287.000
N=(-)188.000

Field Test	Nos	Samples	Nos	Commencement Date : 04/11/15
Penetrometer (SPT)	5	Undisturbed (UDS)	1	Completion Date : 07/11/15
Cone (Pc)		Penetrometer (SPT)	5	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	8	Level Of Ground : 139.595 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 1.1 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m Very dense, brownish yellow, silty sand.		17	35	47	82			DS-1	0.50
1.75m		47	100		>100			SPT-1	1.00-1.45
3.75m		100			>100			DS-2	1.75
5.75m		100			>100			UDS-1	2.00-2.45
					10.0 cm Pentn.			DS-3	2.70
					13.0 cm Pentn.			SPT-2	3.00-3.25
					9.0 cm Pentn.			DS-4	3.75
					Refusal			SPT-3	4.00-4.13
					3.0 cm Pentn.			DS-5	4.50
								SPT-4	5.00-5.09
								DS-6	5.50
								*SPT-5	5.75-5.78
								R1	5.75
								R2	6.50
								R3	7.25
								R4	8.00
								R5	8.75
								R6	9.50
								R7	10.25
								R8	11.00
								R9	11.75
								R10	12.50
								R11	13.25
								R12	14.00
								R13	14.75
15.50m									15.50

NX rotary drilling from 5.75m to 30.00m

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 23/11/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-38

Co-ordinates E=(-)287.000
N=(-)188.000

Field Test	Nos	Samples	Nos	Commencement Date : 04/11/15
Penetrometer (SPT)	5	Undisturbed (UDS)	1	Completion Date : 07/11/15
Cone (Pc)		Penetrometer (SPT)	5	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	8	Level Of Ground : 139.595 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 1.1 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
15.50m Highly weathered, brownish yellow, medium to fine grained, highly fractured rock.								R14	CR=38% RQD=19% 16.25
								R15	CR=40% RQD=32% 17.00
								R16	CR=36% RQD=32% 17.75
								R17	CR=38% RQD=NIL 18.50
18.50m Highly weathered, blackish grey, medium grained, highly fractured rock.								R18	CR=36% RQD=NIL 19.25
								R19	CR=28% RQD=NIL 20.00
20.00m Highly weathered, brownish yellow, medium grained, highly fractured rock.								R20	CR=36% RQD=NIL 20.75
20.75m Completely weathered, decomposed & disintegrated rock particles collected as sludge.								R21	CR=NIL RQD=NIL 21.50
								DS-7 R22	CR=NIL RQD=NIL 22.25
22.25m Highly to moderately weathered, brownish yellow, medium to fine grained, highly fractured rock.								DS-8 R23	CR=44% RQD=22% 23.00
								R24	CR=36% RQD=21% 23.75
								R25	CR=38% RQD=36% 24.50
								R26	CR=35% RQD=27% 25.25
								R27	CR=43% RQD=27% 26.00
								R28	CR=43% RQD=27% 26.75
								R29	CR=36% RQD=NIL 27.50
								R30	CR=42% RQD=27% 28.25
28.25m Moderately weathered, greyish, fine grained, highly fractured rock.								R31	CR=45% RQD=27% 29.00
								R32	CR=44% RQD=29% 30.00
30.00m N.B. - '*' means sample could not be recovered.									

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 16/11/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-39

Co-ordinates E=132.000
N= (-)239.000

Field Test	Nos	Samples	Nos	Commencement Date : 29/10/15
Penetrometer (SPT)	4	Undisturbed (UDS)	1	Completion Date : 01/11/15
Cone (Pc)		Penetrometer (SPT)	4	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	4	Level Of Ground : 142.987 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 3.95m

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m								DS-1	0.50
Very stiff, brownish grey to yellowish grey, silty clay with traces of sand.		7	9	10	19			SPT-1	1.00-1.45
								DS-2	1.75
								UDS-1	2.00-2.45
								DS-3	2.60
		9	11	19	30			SPT-2	3.00-3.45
								DS-4	3.60
3.60m		31	100		>100			SPT-3	4.00-4.20
Very dense, yellowish grey, silty sand. Obs. rock pieces.		100			5.0 cm Pentn.			*SPT-4	4.50-4.57
4.50m					7.0 cm Pentn.			R1	CR=22% RQD=NIL
Highly weathered, yellowish grey, coarse grained, fractured rock.		NX rotary drilling from 4.5m to 30.00m						R2	CR=23% RQD=NIL
								R3	CR=27% RQD=NIL
								R4	CR=30% RQD=NIL
								R5	CR=28% RQD=NIL
								R6	CR=25% RQD=NIL
								R7	CR=28% RQD=NIL
								R8	CR=25% RQD=NIL
								R9	CR=27% RQD=NIL
								R10	CR=28% RQD=NIL
								R11	CR=24% RQD=NIL
								R12	CR=26% RQD=NIL
								R13	CR=29% RQD=NIL
								R14	CR=27% RQD=NIL
								R14	CR=32% RQD=13%
15.50m									

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telangana. **CETEST**

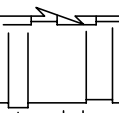
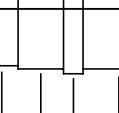
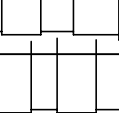
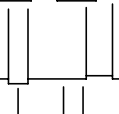
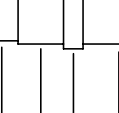
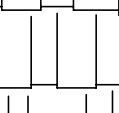
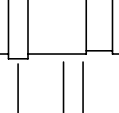
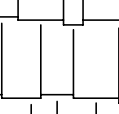
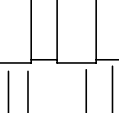
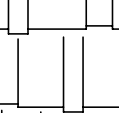
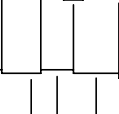
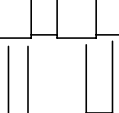
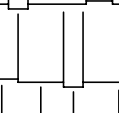
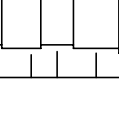

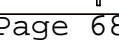
Job No : 3576I Created by : Chandrani Created on : 16/11/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-39

Co-ordinates E=132.000
N= (-)239.000

Field Test	Nos	Samples	Nos	Commencement Date : 29/10/15
Penetrometer (SPT)	4	Undisturbed (UDS)	1	Completion Date : 01/11/15
Cone (Pc)		Penetrometer (SPT)	4	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	4	Level Of Ground : 142.987 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 3.95m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
15.50m Highly weathered, yellowish grey, coarse grained, fractured rock.								R16	CR=27% RQD=NIL 15.75
16.50m Highly weathered, yellowish grey, fine grained, fractured rock.								R17	CR=33% RQD=NIL 16.50
18.00m								R18	CR=30% RQD=NIL 17.25
								R19	CR=32% RQD=NIL 18.00
								R20	CR=34% RQD=NIL 18.75
								R21	CR=40% RQD=NIL 19.50
								R22	CR=40% RQD=NIL 20.25
								R23	CR=25% RQD=NIL 21.00
								R24	CR=27% RQD=NIL 21.75
								R25	CR=24% RQD=NIL 22.50
								R26	CR=28% RQD=NIL 23.25
Highly weathered, yellowish grey, coarse grained, fractured rock. Obs. shale band.								R27	CR=30% RQD=NIL 24.00
								R28	CR=26% RQD=NIL 24.75
								R29	CR=28% RQD=NIL 25.50
								R30	CR=36% RQD=12% 26.25
								R31	CR=28% RQD=NIL 27.00
								R32	CR=30% RQD=NIL 27.75
								R33	CR=27% RQD=NIL 28.50
30.00m								R34	CR=29% RQD=NIL 29.25
									30.00

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 16/11/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-40

Co-ordinates E=119.000
N=(-)226.000

Field Test	Nos	Samples	Nos	Commencement Date : 20/10/15
Penetrometer (SPT)	12	Undisturbed (UDS)	2	Completion Date : 21/10/15
Cone (Pc)		Penetrometer (SPT)	12	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	4	Level Of Ground : 142.709 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 3.5 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m Stiff, blackish grey, silty clay with calcareous nodules.		4	6	7	13			DS-1	0.50
								SPT-1	1.00-1.45
2.00m Dense, yellowish grey to brownish grey, silty sand.		8	17	19	36			UDS-1	2.00-2.45
								SPT-2	3.00-3.45
3.50m Very dense, yellowish grey to brownish grey, silty sand.		80	100		>100			*UDS-2	4.00-4.45
								DS-2	4.80
5.40m Highly to moderately weathered, brownish grey to greyish brown, medium to coarse grained, fractured rock. Obs. mica.		100	10.0 cm Pentn.	Refusal				SPT-3	5.00-5.25
								*SPT-4	5.40-5.45
								R1	5.40 CR=40% RQD=13%
								R2	6.15 CR=44% RQD=22%
								R3	6.90 CR=26% RQD=NIL
								R4	7.65 CR=24% RQD=NIL
								R5	8.40 CR=25% RQD=NIL
								R6	9.15 CR=28% RQD=NIL
								R7	9.86 CR=29% RQD=NIL
								R8	10.60 CR=NIL RQD=NIL
								*SPT-5	11.35-11.38
								R9	11.35 CR=32% RQD=NIL
								R10	12.00 CR=30% RQD=NIL
								R11	12.75 CR=26% RQD=NIL
								R12	13.50 CR=29% RQD=NIL
								R13	14.25 CR=33% RQD=NIL
								R14	15.00 CR=21% RQD=NIL
15.00m Highly weathered, brownish grey to greyish brown, medium to coarse grained, fractured rock. Obs. mica.									15.00
15.50m									

BORE LOG DATA SHEET

BORE HOLE NO. IBH-40

Co-ordinates E=119.000
N=(-)226.000

Field Test	Nos	Samples	Nos	Commencement Date :	20/10/15
Penetrometer (SPT)	12	Undisturbed (UDS)	2	Completion Date :	21/10/15
Cone (Pc)		Penetrometer (SPT)	12	Bore Hole Diameter :	150 mm. / N.X.
		Disturbed (DS)	4	Level Of Ground :	142.709 m.
Vane (V)		Water Sample (WS)	0	Water Struck At :	
				Standing Water Level :	3.5 m.

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Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 16/11/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-41

Co-ordinates E=131.000
N=(-)167.000

Field Test	Nos	Samples	Nos	Commencement Date : 24/10/15
Penetrometer (SPT)	11	Undisturbed (UDS)	2	Completion Date : 26/10/15
Cone (Pc)		Penetrometer (SPT)	11	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	7	Level Of Ground : 144.695 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 3.6 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m								DS-1	0.50
Very stiff, blackish grey, silty clay.		4	7	9		16		SPT-1	1.00-1.45
								UDS-1	2.00-2.45
						43		SPT-2	3.00-3.45
3.00m		11	19	24				*UDS-2	4.00-4.10
Hard, blackish grey, silty clay.						57		DS-2	4.60
		17	26	31				SPT-3	5.00-5.45
								DS-3	6.00
5.50m						>100		SPT-4	6.50-6.95
Very dense, brownish grey to yellowish grey, silty sand.		26	29	77		>100		DS-4	7.40
		67	100					SPT-5	7.60-7.80
		100						*SPT-6	8.00-8.04
8.00m						Refusal		R1	CR=26% RQD=NIL
Completely to highly weathered, brownish grey, medium to coarse grained rock.						5.0 cm Pentn.		R2	CR=21% RQD=10%
						4.0 cm Pentn.		R3	CR=29% RQD=10%
								R4	CR=24% RQD=NIL
								R5	CR=26% RQD=NIL
								R6	CR=NIL RQD=NIL
								*SPT-7	12.50-12.54
								R7	CR=26% RQD=NIL
								R8	CR=33% RQD=NIL
								R9	CR=30% RQD=NIL
								R10	CR=42% RQD=20%
13.25m									
Highly to moderately weathered, brownish grey, medium to coarse grained rock.									
15.50m									

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telangana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 16/11/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-41

Co-ordinates E=131.000
N=(-)167.000

Field Test	Nos	Samples	Nos	Commencement Date : 24/10/15
Penetrometer (SPT)	11	Undisturbed (UDS)	2	Completion Date : 26/10/15
Cone (Pc)		Penetrometer (SPT)	11	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	7	Level Of Ground : 144.695 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 3.6 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
15.50m									
								R11	CR=37% RQD=NIL
								R12	CR=34% RQD=32%
								R13	CR=38% RQD=13%
								R14	CR=22% RQD=NIL
								R15	CR=25% RQD=NIL
								R16	CR=22% RQD=NIL
								R17	CR=28% RQD=NIL
								R18	CR=NIL RQD=NIL
Completely to highly weathered, brownish grey to yellowish brown, medium to coarse grained rock.								*SPT-8	21.50-21.55 21.50
								R19	CR=NIL RQD=NIL
								*SPT-9	22.25-22.28 22.25
								R20	CR=28% RQD=NIL
								R21	CR=24% RQD=NIL
								R22	CR=28% RQD=NIL
								R23	CR=34% RQD=NIL
								R24	CR=30% RQD=15%
								R25	CR=34% RQD=27%
								R26	CR=37% RQD=22%
27.50m								R27	CR=NIL RQD=NIL
								*SPT-10	28.25-28.35 28.25
								R28	CR=NIL RQD=NIL
								*SPT-11	29.00-29.06 29.00
								R29	CR=25% RQD=NIL
30.00m									30.00 30.00

N.B. - '*' means sample could not be recovered.

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 16/11/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-42

Co-ordinates E=119.000
N=(-)154.000

Field Test	Nos	Samples	Nos	Commencement Date : 22/10/15
Penetrometer (SPT)	10	Undisturbed (UDS)	2	Completion Date : 24/10/15
Cone (Pc)		Penetrometer (SPT)	10	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	5	Level Of Ground : 143.899 m.
		Water Sample (WS)	1	Water Struck At : Standing Water Level : 3.6 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m Stiff, brownish grey to blackish grey, silty clay with traces of calcareous nodules.		6	6	8	14			DS-1	0.50
								SPT-1	1.00-1.45
								UDS-1	2.00-2.45
2.60m Hard, brownish grey to blackish grey, silty clay with traces of calcareous nodules.		6	18	25	43			DS-2	2.60
								SPT-2	3.00-3.45
								WS-1	3.60
4.30m								*UDS-2	4.00-4.45
								DS-3	4.50
		32	47	67	>100			SPT-3	5.00-5.45
								DS-4	5.70
Very dense, brownish grey to yellowish grey, silty coarse sand. Obs. calcareous nodules & clay band.		55	73	100	>100			SPT-4	6.00-6.35
						5.0 cm Pentn.		DS-5	6.70
		65	100		>100			SPT-5	7.00-7.25
						10.0 cm Pentn.			
8.00m		100			>100			SPT-6	8.00-8.10
						10.0 cm Pentn.		R1	CR=25% RQD=NIL
								R2	CR=30% RQD=NIL
								R3	CR=28% RQD=NIL
								R4	CR=30% RQD=NIL
								R5	CR=31% RQD=NIL
								R6	CR=NIL RQD=NIL
								*SPT-7	12.50-12.55
						5.0 cm Pentn.		R7	CR=25% RQD=NIL
								R8	CR=36% RQD=NIL
								R9	CR=26% RQD=NIL
								R10	CR=NIL RQD=NIL
15.50m									

NX rotary drilling from 8.00m to 30.00m

Refusal

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telangana. **CETEST**

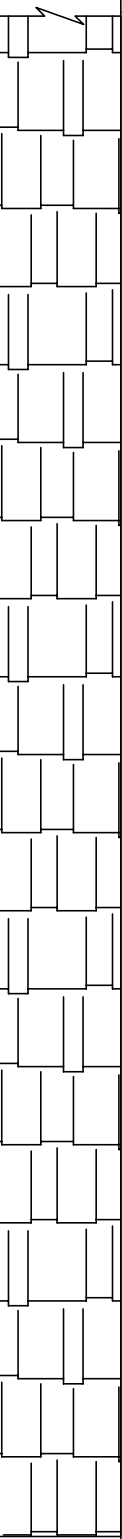
Job No : 3576I Created by : Chandrani Created on : 16/11/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-42

Co-ordinates E=119.000
N=(-)154.000

Field Test	Nos	Samples	Nos	Commencement Date : 22/10/15
Penetrometer (SPT)	10	Undisturbed (UDS)	2	Completion Date : 24/10/15
Cone (Pc)		Penetrometer (SPT)	10	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	5	Level Of Ground : 143.899 m.
		Water Sample (WS)	1	Water Struck At : Standing Water Level : 3.6 m.

DESCRIPTION	SYMBOL	N-VALUE				SAMPLES	
		EACH DIVN. = 15cm.				Ref. No	Depth (m)
<p>15.50m</p>  <p>Completely to highly weathered, brownish grey to yellowish grey, medium to coarse grained, partly fractured rock.</p> <p>N.B. — '*' means sample could not be recovered.</p> <p>30.00m</p>	100	Refusal				*SPT-8	15.50-15.54
	100	4.0 cm Pentn.				R11	16.25
	100	Refusal				*SPT-9	16.25-16.30
		5.0 cm Pentn.				R12	16.25
							17.00
						R13	17.00
							17.75
						R14	17.75
							18.50
						R15	18.50
							19.25
						R16	19.25
							20.00
						R17	20.00
							20.75
						R18	20.75
							21.50
						R19	21.50
							22.25
						R20	22.25
							23.00
						R21	23.00
							23.75
						R22	23.75
							24.50
						R23	24.50
							25.25
						R24	25.25
							26.00
						R25	26.00
	100	Refusal				*SPT-10	26.75-26.79
		4.0 cm Pentn.				R26	26.75
							27.50
						R27	27.50
							28.25
						R28	28.25
							29.00
						R29	29.00
							30.00

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telangana. **CETEST**

Job No : 3576 Created by : Chandrani Created on : 16/11/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-43

Co-ordinates E=235.000
N=(-)152.000

Field Test	Nos	Samples	Nos	Commencement Date : 20/10/15
Penetrometer (SPT)	5	Undisturbed (UDS)	2	Completion Date : 23/10/15
Cone (Pc)		Penetrometer (SPT)	5	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	3	Level Of Ground : 143.721 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 3.05 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m									
Hard. brownish grey to blackish grey, silty clay with traces of sand mixture.								DS-1	1.00
		15	17	22		39		SPT-1	1.50-1.95
								UDS-1	2.50-2.95
		15	16	19		35		SPT-2	3.50-3.95
								DS-2	4.20
6.00m								*UDS-2	4.50-4.95
		17	29	38		67		SPT-3	5.50-5.95
								DS-3	6.30
		17	70	100		>100		SPT-4	6.50-6.82
		100						*SPT-5	7.00-7.04
7.00m								R1	CR=63%/RQD=NIL
Highly weathered, brownish grey, medium grained, completely fractured rock.								R2	CR=45% RQD=NIL
								R3	CR=40% RQD=NIL
								R4	CR=42% RQD=NIL
								R5	CR=33% RQD=NIL
								R6	CR=29% RQD=NIL
								R7	CR=32% RQD=NIL
								R8	CR=29% RQD=NIL
								R9	CR=34% RQD=NIL
								R10	CR=26% RQD=NIL
								R11	CR=36% RQD=NIL
								R12	CR=17% RQD=NIL
15.50m									

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telangana. **CETEST**

Job No : 3576 Created by : Chandrani Created on : 16/11/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-43

Co-ordinates E=235.000
N=(-)152.000

Field Test	Nos	Samples	Nos	Commencement Date : 20/10/15
Penetrometer (SPT)	5	Undisturbed (UDS)	2	Completion Date : 23/10/15
Cone (Pc)		Penetrometer (SPT)	5	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	3	Level Of Ground : 143.721 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 3.05 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
Highly weathered, brownish grey, medium grained, completely fractured rock.								R13	CR=24% RQD=NIL
								R14	CR=26% RQD=NIL
Highly weathered, brownish grey, medium grained, highly fractured rock.								R15	CR=21% RQD=NIL
								R16	CR=22% RQD=NIL
								R17	CR=27% RQD=NIL
								R18	CR=29% RQD=NIL
								R19	CR=30% RQD=NIL
								R20	CR=24% RQD=NIL
								R21	CR=29% RQD=NIL
								R22	CR=25% RQD=NIL
								R23	CR=21% RQD=NIL
								R24	CR=26% RQD=NIL
								R25	CR=33% RQD=14%
								R26	CR=37% RQD=NIL
								R27	CR=33% RQD=NIL
								R28	CR=44% RQD=NIL
								R29	CR=46% RQD=NIL
								R30	CR=47% RQD=NIL
								R31	CR=42% RQD=23%

N.B. - '*' means sample could not be recovered.

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 16/11/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-45

Co-ordinates E=349.000
N=(-)150.000

Field Test	Nos	Samples	Nos	Commencement Date : 24/10/15
Penetrometer (SPT)	5	Undisturbed (UDS)	2	Completion Date : 28/10/15
Cone (Pc)		Penetrometer (SPT)	5	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	5	Level Of Ground : 144.149 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 1.9 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m									
Stiff, greyish brown, silty clay.								DS-1	0.50
		4	5	5		10		SPT-1	1.00-1.45
1.50m								DS-2	1.75
Medium dense, yellowish grey, silty sand.								*UDS-1	2.00-2.15
		7	9	11		20		SPT-2	3.00-3.45
								DS-3	3.60
4.00m								*UDS-2	4.00-4.45
Very dense, yellowish grey, silty sand.									
		4	2	100		>100		SPT-3	5.00-5.25
					10.0 cm Pentn.			DS-4	5.75
6.00m		100				>100		SPT-4	6.00-6.12
					12.0 cm Pentn.			R1	CR=NIL RQD=NIL
					Refusal			DS-5	
		100						*SPT-5	7.00-7.06
					6.0 cm Pentn.			R2	CR=25% RQD=NIL
Completely weathered, brownish grey to yellowish grey, coarse to medium grained, fractured rock. Obs. shale band.								R3	CR=29% RQD=NIL
								R4	CR=27% RQD=NIL
								R5	CR=25% RQD=NIL
10.00m								R6	CR=22% RQD=NIL
								R7	CR=25% RQD=NIL
								R8	CR=27% RQD=NIL
								R9	CR=24% RQD=NIL
Highly weathered, brownish grey to yellowish grey, coarse grained rock.									
								R10	CR=22% RQD=NIL
								R11	CR=26% RQD=NIL
								R12	CR=24% RQD=NIL
15.50m									

NX rotary drilling from 6.00m to 30.00m

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 16/11/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-45

Co-ordinates E=349.000
N=(-)150.000

Field Test	Nos	Samples	Nos	Commencement Date : 24/10/15
Penetrometer (SPT)	5	Undisturbed (UDS)	2	Completion Date : 28/10/15
Cone (Pc)		Penetrometer (SPT)	5	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	5	Level Of Ground : 144.149 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 1.9 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
15.50m								R13	CR=27% RQD=NIL
Highly weathered, brownish grey to yellowish grey, coarse grained rock.								R14	CR=25% RQD=NIL
								R15	CR=28% RQD=NIL
								R16	CR=26% RQD=NIL
								R17	CR=23% RQD=NIL
								R18	CR=36% RQD=NIL
19.00m								R19	CR=27% RQD=NIL
Highly weathered, brownish grey to yellowish grey, fine grained, fractured rock.								R20	CR=25% RQD=NIL
								R21	CR=36% RQD=NIL
								R22	CR=38% RQD=NIL
21.50m								R23	CR=40% RQD=NIL
Highly weathered, yellowish grey, medium to coarse grained, fractured rock.								R24	CR=36% RQD=NIL
								R25	CR=41% RQD=NIL
23.00m								R26	CR=48% RQD=NIL
Highly to moderately weathered, yellowish grey to brownish grey, fine grained, fractured shale. Obs. sandstone.								R27	CR=36% RQD=NIL
								R28	CR=38% RQD=NIL
								R29	CR=47% RQD=NIL
								R30	CR=44% RQD=NIL
								R31	CR=49% RQD=NIL
								R32	CR=45% RQD=NIL
30.00m									

N.B. - '*' means sample could not be recovered.

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 16/11/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-48

Co-ordinates E=417.000
N=(-)78.000

Field Test	Nos	Samples	Nos	Commencement Date : 30/10/15
Penetrometer (SPT)	8	Undisturbed (UDS)	2	Completion Date : 03/11/15
Cone (Pc)		Penetrometer (SPT)	8	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	4	Level Of Ground : 145.162 m.
		Water Sample (WS)	1	Water Struck At : Standing Water Level : 3.0 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m Very stiff, brownish grey to greyish brown, silty clay with sand mixture. Obs. calcareous nodules.		7	12	17	29			DS-1	0.50
								SPT-1	1.00-1.45
								UDS-1	2.00-2.45
2.60m Hard, brownish grey to greyish brown, silty clay with sand mixture. Obs. calcareous nodules.		12	17	27	44			DS-2	2.60
								WS-1	3.00
								SPT-2	3.00-3.45
								*UDS-2	4.00-4.45
4.80m Very dense, brownish grey, silty sand with traces of mica.		45	75	100	>100			SPT-3	5.00-5.33
		67	100	>100				SPT-4	5.50-5.75
6.00m		100	10.0 cm Pentn.	Refusal	5.0 cm Pentn.			*SPT-5	6.00-6.05
								R1	CR=26% RQD=NIL
								R2	CR=31% RQD=NIL
								R3	CR=33% RQD=NIL
								R4	CR=31% RQD=NIL
								R5	CR=42% RQD=39%
								R6	CR=35% RQD=NIL
								R7	CR=33% RQD=NIL
								R8	CR=39% RQD=NIL
								R9	CR=57% RQD=NIL
								R10	CR=45% RQD=NIL
								R11	CR=40% RQD=NIL
								R12	CR=44% RQD=NIL
								R13	CR=43% RQD=NIL
15.50m									

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 16/11/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-48

Co-ordinates E=417.000
N=(-)78.000

Field Test	Nos	Samples	Nos	Commencement Date : 30/10/15
Penetrometer (SPT)	8	Undisturbed (UDS)	2	Completion Date : 03/11/15
Cone (Pc)		Penetrometer (SPT)	8	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	4	Level Of Ground : 145.162 m.
		Water Sample (WS)	1	Water Struck At : Standing Water Level : 3.0 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
15.50m									
Highly to moderately weathered, brownish grey to greyish brown, medium to fine grained rock.								R14	CR=40% RQD=NIL 15.75
								R15	CR=44% RQD=NIL 16.50
								R16	CR=48% RQD=NIL 17.25
								R17	CR=31% RQD=NIL 18.00
								R18	CR=33% RQD=NIL 18.75
								R19	CR=27% RQD=NIL 19.50
								R20	CR=35% RQD=NIL 20.25
								R21	CR=32% RQD=NIL 21.00
								R22	CR=32% RQD=NIL 21.75
								R23	CR=43% RQD=23% 22.50
22.50m								R24	CR=20% RQD=NIL 23.25
Completely weathered, brownish grey, medium to coarse grained sandstone.								*SPT-6	24.00-24.0324.00
								R25	CR=NIL RQD=NIL 24.75
								*SPT-7	24.75-24.8024.75
25.50m								R26	CR=NIL RQD=NIL 25.50
Highly to moderately weathered, brownish grey, medium to coarse grained sandstone.								*SPT-8	25.50-25.5325.50
								R27	CR=43% RQD=20% 26.25
27.00m								R28	CR=29% RQD=15% 27.00
Highly to moderately weathered, brownish grey, fine grained rock.								R29	CR=35% RQD=NIL 27.75
								R30	CR=48% RQD=29% 28.50
								R31	CR=29% RQD=NIL 29.25
								R32	CR=36% RQD=NIL 30.00
30.00m									

N.B. - '*' means sample could not be recovered.

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 23/11/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-51

Co-ordinates E=613.000
N=(-)42.000

Field Test	Nos	Samples	Nos	Commencement Date : 13/11/15
Penetrometer (SPT)	6	Undisturbed (UDS)	2	Completion Date : 14/11/15
Cone (Pc)		Penetrometer (SPT)	6	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	8	Level Of Ground : 144.50 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 3.2 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m								DS-1	0.50
Stiff, deep brownish grey, silty clay with kankars.		3	6	8		14		SPT-1	1.00-1.45
								DS-2	1.70
								UDS-1	2.00-2.45
		6	6	9		15		DS-3	2.75
3.70m								SPT-2	3.00-3.45
								DS-4	3.70
								UDS-2	4.00-4.45
		11	19	27		46		DS-5	4.75
6.00m								SPT-3	5.00-5.45
								DS-6	5.70
		19	31	44		75		SPT-4	6.00-6.45
								DS-7	6.70
7.40m		43	100			>100		SPT-5	7.00-7.17
								SPT-6	7.40-7.50
		100				>100		R1	CR=32% RQD=NIL
								R2	CR=29% RQD=NIL
Highly weathered, brownish grey to deep grey, medium to fine grained, highly fractured rock.		NX rotary drilling from 7.40m to 15.00m						R3	CR=31% RQD=NIL
								R4	CR=34% RQD=NIL
								R5	CR=28% RQD=NIL
								R6	CR=26% RQD=NIL
								R7	CR=33% RQD=NIL
								R8	CR=38% RQD=NIL
								R9	CR=31% RQD=NIL
								R10	CR=28% RQD=NIL
								R11	CR=33% RQD=NIL
									14.75
									15.00

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 16/11/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-52

Co-ordinates E=615.000
N=(-)348.000

Field Test	Nos	Samples	Nos	Commencement Date : 29/10/15
Penetrometer (SPT)	7	Undisturbed (UDS)	2	Completion Date : 31/10/15
Cone (Pc)		Penetrometer (SPT)	7	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	8	Level Of Ground : 144.938 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 3.1 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m Top soil consists of blackish grey, clayey silt.								DS-1	0.50
0.90m		7	12	13		25		SPT-1	1.00-1.45
								DS-2	1.70
								UDS-1	2.00-2.45
Very stiff, brownish grey, silty clay with traces of sand mixture.		4	7	8		15		SPT-2	3.00-3.45
								DS-3	3.60
								UDS-2	4.00-4.45
		9	11	16		27		SPT-3	5.00-5.45
5.70m								DS-4	5.60
		19	28	41		69		SPT-4	6.00-6.45
Hard, yellowish brown, silty clay. Obs. rusty spots.								DS-5	6.70
		38	44	100		>100		SPT-5	7.00-7.37
								DS-6	7.60
8.00m		48	100			>100		SPT-6	8.00-8.23
Hard, greyish yellow, silty clay.								DS-7	8.70
9.00m		100						SPT-7	9.00-9.11
								R1	9.00
									CR=27% RQD=NIL
									9.75
								R2	
									CR=28% RQD=NIL
									10.50
								R3	
									CR=32% RQD=NIL
									11.25
								R4	
									CR=34% RQD=NIL
									12.00
								R5	
									CR=36% RQD=NIL
									12.75
12.75m								R6	
									CR=46% RQD=NIL
									13.50
								R7	
									CR=48% RQD=NIL
									14.25
								R8	
									CR=49% RQD=NIL
									15.00
15.00m									

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

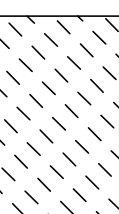
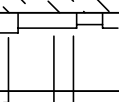
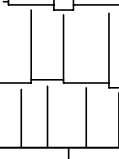
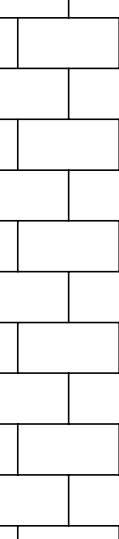
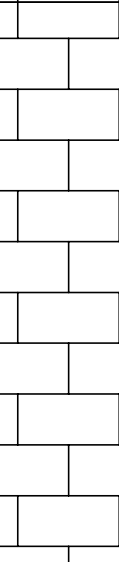
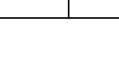
Job No : 3576I Created by : Chandrani Created on : 16/11/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-54

Co-ordinates E=615.000
N=(-)818.000

Field Test	Nos	Samples	Nos	Commencement Date : 30/10/15
Penetrometer (SPT)	2	Undisturbed (UDS)	0	Completion Date : 02/11/15
Cone (Pc)		Penetrometer (SPT)	2	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	2	Level Of Ground : 145.775 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 1.3 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m Hard, greyish yellow, silty clay. Obs. sand mixture.		21	36	42	78			DS-1	0.50
2.00m Highly weathered, light greyish yellow, fine grained, highly fractured rock.		100						SPT-1	1.00-1.45
2.75m Moderately weathered, light greyish yellow, fine grained, highly fractured rock.								*SPT-2	2.00-2.05
4.25m Slightly weathered, light greyish yellow, fine grained, moderately fractured rock.								R1	2.00-2.05 CR=36% RQD=NIL
9.50m Fresh, light greyish yellow, fine grained, highly fractured rock.								R2	2.75-3.50 CR=45% RQD=NIL
15.00m N.B. - '*' means sample could not be recovered.								R3	3.50-4.25 CR=47% RQD=NIL
								R4	4.25-5.00 CR=69% RQD=NIL
								R5	5.00-5.75 CR=64% RQD=40%
								R6	5.75-6.50 CR=76% RQD=24%
								R7	6.50-7.25 CR=78% RQD=NIL
								R8	7.25-8.00 CR=76% RQD=NIL
								R9	8.00-8.75 CR=72% RQD=NIL
								R10	8.75-9.50 CR=68% RQD=NIL
								R11	9.50-10.25 CR=84% RQD=NIL
								R12	10.25-11.00 CR=92% RQD=44%
								R13	11.00-11.75 CR=93% RQD=NIL
								R14	11.75-12.50 CR=91% RQD=17%
								R15	12.50-13.25 CR=95% RQD=48%
								R16	13.25-14.00 CR=95% RQD=52%
								R17	14.00-15.00 CR=91% RQD=87%

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 23/11/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-55

Co-ordinates E=615.000
N=(-)1068.000

Field Test	Nos	Samples	Nos	Commencement Date : 04/11/15
Penetrometer (SPT)	3	Undisturbed (UDS)	0	Completion Date : 06/11/15
Cone (Pc)		Penetrometer (SPT)	3	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	4	Level Of Ground : 144.389 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 2.0 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m									
Hard, brownish grey to greyish brown, silty clay.								DS-1	0.50
						85		SPT-1	1.00-1.45
		28	36	49				DS-2	1.70
						>100		SPT-2	2.00-2.25
3.00m		48	100			10.0 cm Pentn.		DS-3	2.60
						>100		SPT-3	3.00-3.22
		61	100			7.0 cm Pentn.		R1	3.00
									CR=28% RQD=NIL
								R2	3.75
									CR=25% RQD=NIL
								R3	4.50
									CR=32% RQD=NIL
								R4	5.25
									CR=33% RQD=NIL
								R5	6.00
									CR=37% RQD=NIL
								R6	6.75
									CR=33% RQD=NIL
								R7	7.50
									CR=32% RQD=NIL
9.75m								R8	8.25
									CR=36% RQD=NIL
								R9	9.00
									CR=38% RQD=NIL
								R10	9.75
									CR=39% RQD=NIL
								R11	10.50
									CR=33% RQD=NIL
15.00m								R12	11.25
									CR=27% RQD=NIL
								R13	12.00
									CR=30% RQD=NIL
								R14	12.75
									CR=29% RQD=NIL
								R15	13.50
									CR=30% RQD=NIL
								R16	14.25
									CR=35% RQD=33%
									15.00

NX rotary drilling from 3.00m to 15.00m

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576 Created by : Chandrani Created on : 23/11/2015 Sheet No:

BORE LOG DATA SHEET **BORE HOLE NO. IBH-57** Co-ordinates E=615.000 N(-)1575.000

Field Test	Nos	Samples	Nos	Commencement Date : 07/11/15
Penetrometer (SPT)	6	Undisturbed (UDS)	1	Completion Date : 09/11/15
Cone (Pc)		Penetrometer (SPT)	6	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	7	Level Of Ground : 143.459 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 1.5 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m Brownish grey, silty clay with sand & kankars.								DS-1	0.50
1.00m		9	14	22	36			SPT-1	1.00-1.45
								DS-2	1.60
								UDS-1	2.00-2.45
					98			DS-3	2.70
		26	41	57				SPT-2	3.00-3.45
Hard, yellowish grey to greyish yellow, silty clay with decomposed rock with steel grey patches.					>100			DS-4	3.70
		32	100					SPT-3	4.00-4.29
				14.0 cm	Pentn.			DS-5	4.60
				100				SPT-4	5.00-5.13
				13.0 cm	Pentn.			DS-6	5.70
					Refusal			*SPT-5	6.00-6.07
				7.0 cm	Pentn.				
					Refusal				
7.00m		100						*SPT-6	7.00-7.03
				3.0 cm	Pentn.			R1	CR=25% RQD=NIL
								R2	CR=28% RQD=NIL
								R3	CR=31% RQD=NIL
Highly weathered, light brownish yellow, medium to fine grained, highly fractured rock.								R4	CR=27% RQD=NIL
								R5	CR=37% RQD=NIL
								R6	CR=28% RQD=NIL
								R7	CR=28% RQD=NIL
11.50m								R8	CR=21% RQD=NIL
								R9	CR=35% RQD=NIL
								R10	CR=29% RQD=NIL
								R11	CR=34% RQD=NIL
Highly weathered, greyish yellow, fine grained, highly fractured rock.									
15.00m									
N.B. - '*' means sample could not									

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana.										CETEST	
Job No : 3576			Created by : Chandrani			Created on : 23/11/2015			Sheet No:		
BORE LOG DATA SHEET				BORE HOLE NO. IBH-58				Co-ordinates			E=365.000 N=(-)1575.000
Field Test		Nos	Samples		Nos	Commencement Date : 10/11/15					
Penetrometer (SPT)		12	Undisturbed (UDS)		1	Completion Date : 12/11/15					
Cone (Pc)			Penetrometer (SPT)		12	Bore Hole Diameter : 150 mm. / N.X.					
Vane (V)			Disturbed (DS)		8	Level Of Ground : 143.541 m.					
			Water Sample (WS)		0	Water Struck At : Standing Water Level : 2.8 m.					
DESCRIPTION				SYMBOL	N-VALUE				SAMPLES		
					EACH DIVN. = 15cm.				Ref. No	Depth (m)	
0.00m					7	8	9	17	DS-1	0.50	
Very stiff, brownish grey, silty clay with decomposed rock.									SPT-1	1.00-1.45	
									UDS-1	2.00-2.45	
									DS-2	2.60	
2.60m					50	50	50	>100	SPT-2	3.00-3.25	
Hard, brownish grey, silty clay with decomposed rock.									DS-3	3.60	
									SPT-3	4.00-4.12	
									DS-4	4.50	
4.00m					100			>100	SPT-4	5.00-5.08	
Very dense, brownish yellow, silty sand with decomposed rock. Obs. steel grey patches.									*SPT-5	5.25-5.32	
									R1	CR=22% RQD=NIL	
									*SPT-6	6.00-6.04	
5.25m					100			Refusal	R2	6.00	
Highly weathered, yellowish brown, medium grained, highly fractured rock.									*SPT-7	6.75-6.78	
									R3	CR=NIL RQD=NIL	
									*SPT-8	7.50-7.53	
6.75m					100			Refusal	R4	7.50	
Completely weathered, yellowish brown, decomposed & disintegrated rock particles collected as sludge.									*SPT-9	8.25-8.28	
									DS-5	CR=NIL RQD=NIL	
									*SPT-10	9.00-9.02	
				R5	CR=NIL RQD=NIL						
10.50m					100			Refusal	*SPT-11	9.75-9.78	
Highly weathered, brownish white, medium grained, highly fractured rock.									R6	CR=NIL RQD=NIL	
									DS-6	CR=NIL RQD=NIL	
									*SPT-12	10.50-10.52	
11.25m								Refusal	R7	10.50	
Highly weathered, deep yellowish brown, medium grained, highly fractured rock.									R8	CR=22% RQD=NIL	
									R9	CR=23% RQD=16%	
									R10	CR=21% RQD=NIL	
				R11	CR=22% RQD=NIL						
15.00m								Refusal	R12	12.75	
N.B. - '*' means sample could not									R13	CR=24% RQD=NIL	
										CR=25% RQD=NIL	
										14.25	
					15.00						

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 13/01/2016 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-59

Co-ordinates E=90.000
N=(-)1575.000

Field Test	Nos	Samples	Nos	Commencement Date : 17/12/15
Penetrometer (SPT)	2	Undisturbed (UDS)	1	Completion Date : 18/12/15
Cone (Pc)		Penetrometer (SPT)	2	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	2	Level Of Ground : 141.748 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 2.4 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
Blackish grey, silty clay with sand mixture.	0.00m 0.50m							DS-1	0.50
Hard, yellowish brown, silty clay with sand mixture. Obs. calcareous nodules.	0.50m 2.25m	28	36	58	94			SPT-1	1.00-1.45
					Refusal			DS-2	1.75
								*UDS-1	2.00-2.07
								*SPT-2	2.25-2.28
								R1	2.25
									CR=27% RQD=13%
								R2	3.00
									CR=36% RQD=31%
								R3	3.75
									CR=28% RQD=16%
								R4	4.50
									CR=32% RQD=13%
								R5	5.25
									CR=26% RQD=14%
								R6	6.00
									CR=36% RQD=24%
								R7	6.75
									CR=32% RQD=13%
								R8	7.50
									CR=36% RQD=NIL
								R9	8.25
									CR=28% RQD=NIL
								R10	9.00
									CR=31% RQD=NIL
								R11	9.75
									CR=32% RQD=NIL
								R12	10.50
									CR=36% RQD=16%
								R13	11.25
									CR=32% RQD=13%
								R14	12.00
									CR=34% RQD=14%
								R15	12.75
									CR=32% RQD=NIL
								R16	13.50
									CR=40% RQD=27%
								R17	14.25
									CR=32% RQD=13%
									15.00

N.B. - '*' means sample could not be recovered.

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 16/11/2015 Sheet No:

BORE LOG DATA SHEET **BORE HOLE NO. IBH-74** Co-ordinates E=334.000 N=(-)94.000

Field Test	Nos	Samples	Nos	Commencement Date : 24/10/15
Penetrometer (SPT)	5	Undisturbed (UDS)	2	Completion Date : 29/10/15
Cone (Pc)		Penetrometer (SPT)	5	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	7	Level Of Ground : 144.77 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 2.2 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m								DS-1	0.50
Very stiff, brownish grey, silty clay with sand mixture.		7	12	16		28		SPT-1	1.00-1.45
								DS-2	1.75
								UDS-1	2.00-2.45
								DS-3	2.60
2.60m		10	15	19		34		SPT-2	3.00-3.45
Hard, brownish grey to light blackish grey, silty clay.								DS-4	3.60
								*UDS-2	4.00-4.15
								DS-5	4.60
		13	19	22		41		SPT-3	5.00-5.45
								DS-6	6.00
		16	43	52		95		SPT-4	6.50-6.95
						>100		SPT-5	7.15-7.25
		100						R1	7.15
7.15m							10.0 cm Pentn.		CR=41% RQD=NIL
Highly to moderately weathered, brownish grey, fine grained, fractured rock.								R2	8.00
									CR=46% RQD=NIL
								R3	8.75
									CR=42% RQD=NIL
								R4	9.50
									CR=22% RQD=NIL
								R5	10.25
									CR=27% RQD=NIL
11.00m								R6	11.00
Highly to moderately weathered, reddish brown, fine grained, fractured rock.									CR=23% RQD=NIL
								R7	11.75
									CR=25% RQD=NIL
								R8	12.50
									CR=24% RQD=NIL
								R9	13.25
									CR=26% RQD=NIL
								R10	14.00
									CR=40% RQD=NIL
								R11	14.75
15.50m									CR=37% RQD=NIL
									15.50

NX rotary drilling from 7.25m to 30.00m

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 16/11/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-74

Co-ordinates E=334.000
N=(-)94.000

Field Test	Nos	Samples	Nos	Commencement Date : 24/10/15
Penetrometer (SPT)	5	Undisturbed (UDS)	2	Completion Date : 29/10/15
Cone (Pc)		Penetrometer (SPT)	5	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	7	Level Of Ground : 144.77 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 2.2 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
15.50m								R12	CR=38% RQD=NIL
								R13	CR=34% RQD=NIL
								R14	CR=37% RQD=NIL
								R15	CR=39% RQD=NIL
								R16	CR=44% RQD=NIL
								R17	CR=41% RQD=NIL
								R18	CR=32% RQD=NIL
								R19	CR=25% RQD=NIL
								R20	CR=44% RQD=NIL
								R21	CR=46% RQD=28%
								R22	CR=49% RQD=30%
23.75m								R23	CR=45% RQD=NIL
								R24	CR=48% RQD=16%
								R25	CR=44% RQD=20%
								R26	CR=49% RQD=32%
								R27	CR=42% RQD=20%
27.50m								R28	CR=51% RQD=24%
								R29	CR=53% RQD=16%
								R30	CR=57% RQD=14%
30.00m									

Highly to moderately weathered, reddish brown, fine grained, fractured rock.

Moderately weathered, yellowish grey, coarse grained, fractured rock. Obs.

Moderately weathered, reddish grey, fine grained, moderately fractured rock.

N.B. - '*' means sample could not be recovered.

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**




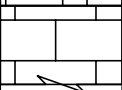
Job No : 3675 Created by : Chandrani Created on : 19/01/2016 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-75

Co-ordinates E=(-)543.000
N=(-)2142.000

Field Test	Nos	Samples	Nos	Commencement Date : 13/12/15
Penetrometer (SPT)	3	Undisturbed (UDS)	1	Completion Date : 17/12/15
Cone (Pc)		Penetrometer (SPT)	3	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	3	Level Of Ground : 139.067 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 6.1 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m Very stiff, blackish grey, silty clay. Obs. calcareous nodules.		6	9	12	21			DS-1	0.50
								SPT-1	1.00-1.45
								DS-2	1.70
								UDS-1	2.00-2.45
2.50m Hard, blackish grey, silty clay. Obs. calcareous nodules.		65	100		>100			DS-3	2.70
								SPT-2	3.00-3.20
3.50m		100			Refusal			*SPT-3	3.50-3.52 3.50
					2.0 cm Pentn.			R1	CR=33% RQD=20% 4.25
								R2	CR=28% RQD=NIL 5.00
								R3	CR=35% RQD=25% 5.75
								R4	CR=30% RQD=NIL 6.50
								R5	CR=32% RQD=NIL 7.25
								R6	CR=35% RQD=14% 8.00
								R7	CR=33% RQD=NIL 8.75
								R8	CR=32% RQD=NIL 9.50
								R9	CR=36% RQD=NIL 10.25
								R10	CR=40% RQD=NIL 11.00
								R11	CR=43% RQD=NIL 11.75
								R12	CR=44% RQD=32% 12.50
								R13	CR=42% RQD=NIL 13.25
								R14	CR=45% RQD=32% 14.00
								R15	CR=48% RQD=36% 14.75
14.75m Moderately weathered, yellowish brown, medium grained, medium fractured rock.								R16	CR=55% RQD=33% 15.50
15.50m									

NX rotary drilling from 3.50m to 30.00m

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3675 Created by : Chandrani Created on : 19/01/2016 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-75

Co-ordinates E=(-)543.000
N=(-)2142.000

Field Test	Nos	Samples	Nos	Commencement Date : 13/12/15
Penetrometer (SPT)	3	Undisturbed (UDS)	1	Completion Date : 17/12/15
Cone (Pc)		Penetrometer (SPT)	3	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	3	Level Of Ground : 139.067 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 6.1 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
Moderately weathered, yellowish brown, medium grained, medium fractured rock.	15.50m							R17	CR=58% RQD=36% 16.25
	16.25m							R18	CR=53% RQD=50% 17.00
								R19	CR=54% RQD=45% 17.75
								R20	CR=56% RQD=17% 18.50
								R21	CR=51% RQD=NIL 19.25
								R22	CR=62% RQD=NIL 20.00
								R23	CR=52% RQD=NIL 20.75
								R24	CR=64% RQD=32% 21.50
								R25	CR=60% RQD=57% 22.25
								R26	CR=62% RQD=34% 23.00
								R27	CR=64% RQD=20% 23.75
								R28	CR=60% RQD=28% 24.50
								R29	CR=56% RQD=17% 25.25
								R30	CR=64% RQD=20% 26.00
								R31	CR=66% RQD=48% 26.75
								R32	CR=70% RQD=56% 27.50
								R33	CR=72% RQD=68% 28.25
								R34	CR=68% RQD=48% 29.00
								R35	CR=71% RQD=33% 30.00
	30.00m								

Moderately to slightly weathered, brownish grey, medium to fine grained, medium fractured rock.

N.B. - '*' means sample could not be recovered.

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 15/12/2015 Sheet No:

BORE LOG DATA SHEET **BORE HOLE NO. ICST-01** Co-ordinates E=(-)665.000 N=(-)923.000

Field Test	Nos	Samples	Nos	Commencement Date : 13/11/15
Penetrometer (SPT)	6	Undisturbed (UDS)	0	Completion Date : 16/11/15
Cone (Pc)		Penetrometer (SPT)	6	Bore Hole Diameter : 150 mm.
Vane (V)		Disturbed (DS)	5	Level Of Ground : 142.709 m./NX
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 4.3 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m									
Hard, brownish grey, silty clay with sand mixture.								DS-1	1.00
		12	14	21		35		SPT-1	1.50-1.95
								DS-2	2.50
		15	20	27		47		SPT-2	3.00-3.45
4.20m								DS-3	4.00
Hard, brownish grey to yellowish brown, silty clay. Obs. sand mixture, steel grey patches.		23	29	45		74		SPT-3	4.50-4.95
								DS-4	5.50
6.45m		26	39	64		>100		SPT-4	6.00-6.45
Very dense, yellowish brown, silty sand. Obs. calcareous nodules.		45	100			>100		DS-5	6.75
		100						SPT-5	7.00-7.25
7.50m								*SPT-6	7.50-7.56
Highly weathered, light brownish yellow, medium to fine grained, highly fractured rock.								R1	CR=27% RQD=NIL
								R2	CR=24% RQD=NIL
								R3	CR=28% RQD=NIL
								R4	CR=35% RQD=20%
								R5	CR=21% RQD=NIL
								R6	CR=22% RQD=NIL
								R7	CR=24% RQD=16%
								R8	CR=21% RQD=NIL
								R9	CR=22% RQD=NIL
								R10	CR=24% RQD=NIL
								R11	CR=22% RQD=NIL
								R12	CR=23% RQD=NIL
								R13	CR=20% RQD=NIL
17.00m									

NX rotary drilling from 7.50m to 33.00m

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 15/12/2015 Sheet No:

BORE LOG DATA SHEET **BORE HOLE NO. ICST-01** Co-ordinates E=(-)665.000 N=(-)923.000

Field Test	Nos	Samples	Nos	Commencement Date : 13/11/15
Penetrometer (SPT)	6	Undisturbed (UDS)	0	Completion Date : 16/11/15
Cone (Pc)		Penetrometer (SPT)	6	Bore Hole Diameter : 150 mm.
Vane (V)		Disturbed (DS)	5	Level Of Ground : 142.709 m./NX
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 4.3 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
17.00m									17.25
Highly weathered, light brownish yellow, medium to fine grained, highly fractured rock.								R14	CR=23% RQD=NIL
								R15	CR=22% RQD=NIL
								R16	CR=21% RQD=NIL
								R17	CR=22% RQD=NIL
								R18	CR=25% RQD=NIL
								R19	CR=22% RQD=NIL
								R20	CR=21% RQD=NIL
								R21	CR=24% RQD=NIL
								R22	CR=21% RQD=NIL
								R23	CR=22% RQD=13%
								R24	CR=27% RQD=13%
								R25	CR=28% RQD=17%
								R26	CR=32% RQD=NIL
								R27	CR=30% RQD=20%
24.75m								R28	CR=24% RQD=NIL
Highly weathered, light brownish yellow, medium to fine grained, highly fractured rock.								R29	CR=22% RQD=NIL
								R30	CR=21% RQD=NIL
								R31	CR=28% RQD=NIL
								R32	CR=44% RQD=NIL
27.75m								R33	CR=42% RQD=18%
Highly weathered, light brownish yellow, medium to fine grained, highly fractured rock.								R34	CR=48% RQD=20%
30.00m									
Moderately weathered, yellowish grey, medium yellowish grey, medium to fine grained, highly to moderately fractured rock.									
33.00m									
N.B. - '*' means sample could not be recovered.									

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 15/12/2015 Sheet No:

BORE LOG DATA SHEET **BORE HOLE NO. ICST-02** Co-ordinates E=(-)701.000 N=(-)923.000

Field Test	Nos	Samples	Nos	Commencement Date : 15/11/15
Penetrometer (SPT)	6	Undisturbed (UDS)	0	Completion Date : 17/11/15
Cone (Pc)		Penetrometer (SPT)	6	Bore Hole Diameter : 150 mm.
Vane (V)		Disturbed (DS)	5	Level Of Ground : 142.886 m./NX
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 4.50 m.

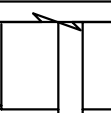


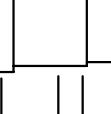
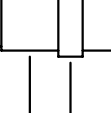
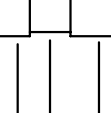
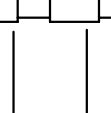
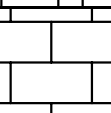
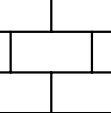
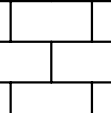
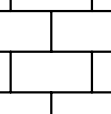
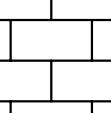
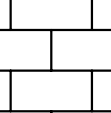

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m									
Very stiff, brownish grey to greyish brown, silty clay with sand mixture. Obs. calcareous nodules.								DS-1	1.00
		6	8	10		18		SPT-1	1.50-1.95
								DS-2	2.50
		7	11	14		25		SPT-2	3.00-3.45
4.00m									
Hard, brownish grey to greyish brown silty clay with sand mixture. Obs. calcareous nodules.								DS-3	4.00
		12	18	27		45		SPT-3	4.50-4.95
								DS-4	5.50
		28	45	10		>100		SPT-4	6.00-6.35
8.00m								DS-5	7.00
								SPT-5	7.50-7.60
		100		10.0		>100			
		100				Refusal		*SPT-6	8.00-8.05 8.00
								R1	CR=25% RQD=NIL 8.75
Highly weathered, brownish grey, fine to medium grained rock.								R2	CR=22% RQD=NIL 9.50
								R3	CR=21% RQD=NIL 10.25
								R4	CR=24% RQD=NIL 11.00
								R5	CR=28% RQD=NIL 11.75
11.00m								R6	CR=23% RQD=NIL 12.50
Highly weathered, brownish grey, fine to medium grained rock.								R7	CR=25% RQD=NIL 13.25
								R8	CR=30% RQD=NIL 14.00
								R9	CR=32% RQD=NIL 14.75
								R10	CR=30% RQD=NIL 15.50
14.75m								R11	CR=35% RQD=NIL 16.25
16.25m								R12	CR=35% RQD=NIL 17.00
17.00m									

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 15/12/2015 Sheet No:

BORE LOG DATA SHEET **BORE HOLE NO. ICST-02** Co-ordinates E=(-)701.000 N=(-)923.000

Field Test	Nos	Samples	Nos	Commencement Date : 15/11/15
Penetrometer (SPT)	6	Undisturbed (UDS)	0	Completion Date : 17/11/15
Cone (Pc)		Penetrometer (SPT)	6	Bore Hole Diameter : 150 mm.
Vane (V)		Disturbed (DS)	5	Level Of Ground : 142.886 m./NX
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 4.50 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
Highly to moderately weathered, brownish grey to blackish grey, medium to coarse grained rock								R13	CR=28% RQD=NIL 17.75
								R14	CR=35% RQD=NIL 18.50
								R15	CR=40% RQD=NIL 19.25
								R16	CR=42% RQD=10% 20.00
								R17	CR=43% RQD=NIL 20.75
								R18	CR=33% RQD=NIL 21.50
								R19	CR=45% RQD=NIL 22.25
								R20	CR=44% RQD=NIL 23.00
								R21	CR=47% RQD=NIL 23.75
								R22	CR=44% RQD=NIL 24.50
								R23	CR=48% RQD=NIL 25.25
								R24	CR=50% RQD=NIL 26.00
Moderately to slightly weathered, brownish grey to blackish grey, medium to coarse grained rock								R25	CR=52% RQD=NIL 26.75
								R26	CR=43% RQD=NIL 27.50
								R27	CR=51% RQD=NIL 28.25
								R28	CR=56% RQD=13% 29.00
								R29	CR=49% RQD=NIL 29.75
								R30	CR=44% RQD=NIL 30.50
								R31	CR=56% RQD=NIL 31.25
								R32	CR=55% RQD=NIL 32.00
								R33	CR=62% RQD=12% 33.00

N.B. - '*' means sample could not be recovered.

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 08/12/2015 Sheet No:

BORE LOG DATA SHEET **BORE HOLE NO. IPMT- 01** Co-ordinates E=(-)509.000 N=(-)808.000

Field Test	Nos	Samples	Nos	Commencement Date : 16/11/15
Penetrometer (SPT)	0	Undisturbed (UDS)	0	Completion Date : 19/11/15
Cone (Pc)		Penetrometer (SPT)	0	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	9	Level Of Ground : 142.462 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 2.6 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m								DS-1	0.50
								DS-2	1.50
								DS-3	2.50
								DS-4	3.50
								DS-5	4.50
								DS-6	5.50
								DS-7	6.50
								DS-8	7.50
								DS-9	8.50
								R1	8.50
								R2	9.50
								R3	10.50
								R4	11.50
								R5	12.50
								R6	13.50
								R7	14.50
									15.50

Light yellowish grey, silty clay.

Brownish yellow, silty sand.

Highly weathered, light brownish yellow, medium to fine grained, highly fractured rock.

NX rotary drilling from 8.50m to 30.00m

CR=22% RQD=NIL

CR=20% RQD=NIL

CR=21% RQD=10%

CR=22% RQD=NIL

CR=23% RQD=10%

CR=24% RQD=NIL

CR=27% RQD=NIL

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 08/12/2015 Sheet No:

BORE LOG DATA SHEET **BORE HOLE NO. IPMT- 01** Co-ordinates E=(-)509.000 N=(-)808.000

Field Test	Nos	Samples	Nos	Commencement Date : 16/11/15
Penetrometer (SPT)	0	Undisturbed (UDS)	0	Completion Date : 19/11/15
Cone (Pc)		Penetrometer (SPT)	0	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	9	Level Of Ground : 142.462 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 2.6 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
15.50m								R8	CR=21% RQD=NIL
									16.50
								R9	CR=20% RQD=NIL
									17.50
								R10	CR=23% RQD=NIL
									18.50
								R11	CR=25% RQD=NIL
									19.50
								R12	CR=22% RQD=NIL
									20.50
								R13	CR=25% RQD=NIL
									21.50
								R14	CR=24% RQD=NIL
									22.50
								R15	CR=25% RQD=NIL
									23.50
23.50m								R16	CR=44% RQD=34%
									24.50
								R17	CR=40% RQD=NIL
									25.50
25.50m								R18	CR=52% RQD=NIL
									26.50
								R19	CR=55% RQD=42%
									27.50
								R20	CR=65% RQD=14%
									28.50
								R21	CR=70% RQD=NIL
									29.50
								R22	CR=72% RQD=NIL
									30.00
30.00m									

Highly weathered, light brownish yellow, medium to fine grained, highly fractured rock.

Moderately weathered, brownish yellow, fine grained, moderately fractured rock.


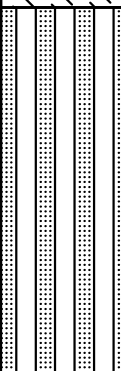
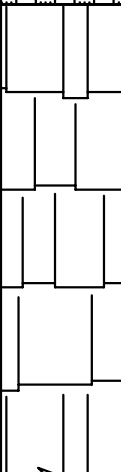
Moderately to slightly weathered, brownish yellow, fine grained, moderately fractured rock.

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 08/12/2015 Sheet No:

BORE LOG DATA SHEET **BORE HOLE NO. IPMT- 02** Co-ordinates E=(-)782.000 N=(-)973.000

Field Test	Nos	Samples	Nos	Commencement Date : 12/11/15
Penetrometer (SPT)	0	Undisturbed (UDS)	0	Completion Date : 15/11/15
Cone (Pc)		Penetrometer (SPT)	0	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	11	Level Of Ground : 142.833 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 4.4 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES			
		EACH DIVN. = 15cm.						Ref. No	Depth (m)		
0.00m									DS-1	0.50	
Brownish grey to yellowish brown, silty clay with sand mixture.										DS-2	1.50
										DS-3	2.50
										DS-4	3.50
										DS-5	4.50
										DS-6	5.50
										DS-7	6.50
										DS-8	7.50
										DS-9	8.50
										DS-10	9.50
										DS-11	10.50
7.50m											
Light brownish yellow, silty sand.											
11.00m		NX rotary drilling from 11.00m to 30.00m						R1	CR=25% RQD=NIL	11.00	
Highly weathered, light brownish yellow, medium to fine grained, highly fractured rock								R2	CR=27% RQD=NIL	11.75	
								R3	CR=30% RQD=NIL	12.50	
								R4	CR=28% RQD=NIL	13.25	
								R5	CR=29% RQD=NIL	14.00	
								R6	CR=28% RQD=NIL	14.75	
15.50m									15.50		

NX rotary drilling from 11.00m to 30.00m

CR=25%
RQD=NIL
CR=27%
RQD=NIL
CR=30%
RQD=NIL
CR=28%
RQD=NIL
CR=29%
RQD=NIL
CR=28%
RQD=NIL

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576I Created by : Chandrani Created on : 08/12/2015 Sheet No:

BORE LOG DATA SHEET **BORE HOLE NO. IPMT- 02** Co-ordinates E=(-)782.000 N=(-)973.000

Field Test	Nos	Samples	Nos	Commencement Date : 12/11/15
Penetrometer (SPT)	0	Undisturbed (UDS)	0	Completion Date : 15/11/15
Cone (Pc)		Penetrometer (SPT)	0	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	11	Level Of Ground : 142.833 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 4.4 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
<p>15.50m</p> <p>Highly weathered, light brownish yellow, medium to fine grained, highly fractured rock</p> <p>30.50m</p>								R7	CR=23% RQD=NIL
								R8	CR=25% RQD=NIL
								R9	CR=27% RQD=NIL
								R10	CR=26% RQD=NIL
								R11	CR=24% RQD=NIL
								R12	CR=26% RQD=NIL
								R13	CR=25% RQD=NIL
								R14	CR=28% RQD=NIL
								R15	CR=29% RQD=NIL
								R16	CR=28% RQD=NIL
								R17	CR=27% RQD=NIL
								R18	CR=28% RQD=NIL
								R19	CR=33% RQD=NIL
								R20	CR=32% RQD=NIL
								R21	CR=34% RQD=NIL
								R22	CR=35% RQD=NIL
								R23	CR=31% RQD=NIL
								R24	CR=34% RQD=NIL
								R25	CR=35% RQD=NIL
								R26	CR=37% RQD=NIL

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576 Created by : CHANDRANI Created on : 18/11/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. PMT01

Co-ordinates E=35.000
N=(-)197.000

Field Test	Nos	Samples	Nos	Commencement Date : 31/10/2015
Penetrometer (SPT)	0	Undisturbed (UDS)	0	Completion Date : 03/11/2015
Cone (Pc)		Penetrometer (SPT)	0	Bore Hole Diameter : 150 mm/NX.
Vane (V)		Disturbed (DS)	10	Level Of Ground : 142.503 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 3.8 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
								Ref. No	Depth (m)
0.00m									
Blackish grey silty clay with calcareous nodules & sand in mixture.								DS-1	0.50
								DS-2	1.00
								DS-3	2.00
								DS-4	3.00
3.00m								DS-5	4.00
								DS-6	5.00
								DS-7	6.00
								DS-8	7.00
								DS-9	8.00
								DS-10	9.00
Greyish yellow clayey silty sand.									
10.00m									
Highly weathered, greyih yellow, highly fractured rock.								R1	10.00 CR=28% RQD=NIL
11.00m								R2	11.00 CR=36% RQD=16%
								R3	12.00 CR=44% RQD=NIL
								R4	13.00 CR=52% RQD=28%
								R5	14.00 CR=28% RQD=NIL
14.00m									
Highly weathered, greyish yellow, medium to coarse grained, highly fractured rock.									
15.00m									

NX rotary drilling from 10.00m to 30.00m

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576 Created by : CHANDRANI Created on : 18/11/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO.PMT01

Co-ordinates E=35.000
N=(-)197.000

Field Test	Nos	Samples	Nos	Commencement Date : 31/10/2015
Penetrometer (SPT)	0	Undisturbed (UDS)	0	Completion Date : 03/11/2015
Cone (Pc)		Penetrometer (SPT)	0	Bore Hole Diameter : 150 mm/NX.
Vane (V)		Disturbed (DS)	10	Level Of Ground : 142.503 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 3.8 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
								Ref. No	Depth (m)
15.00m Highly weathered, greyish yellow, medium to coarse grained, highly fractured rock.								R6	CR=32% RQD=NIL 15.00
16.00m								R7	CR=36% RQD=NIL 16.00
								R8	CR=36% RQD=NIL 17.00
18.00m Highly weathered, greyish brown, fine grained, highly fractured rock.								R9	CR=32% RQD=NIL 18.00
								R10	CR=38% RQD=NIL 19.00
20.00m								R11	CR=36% RQD=10% 20.00
20.50m Highly to moderately weathered, blackish grey, fine grained, highly fractured rock.								R12	CR=44% RQD=NIL 21.00
								R13	CR=40% RQD=NIL 22.00
22.00m								R14	CR=32% RQD=NIL 23.00
								R15	CR=32% RQD=NIL 24.00
25.00m Highly to slightly weathered, greyish yellow, medium to coarse grained, highly fractured rock.								R16	CR=62% RQD=32% 25.00
								R17	CR=54% RQD=22% 26.00
27.00m								R18	CR=37% RQD=NIL 27.00
								R19	CR=42% RQD=NIL 28.00
29.00m Highly to moderately weathered, blackish grey, fine grained, highly fractured rock.								R20	CR=45% RQD=NIL 29.00
30.00m									30.00

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576 Created by : CHANDRANI Created on : 18/11/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. PMT02

Co-ordinates E=276.000
N=(-)197.000

Field Test	Nos	Samples	Nos	Commencement Date : 04/11/2015
Penetrometer (SPT)	0	Undisturbed (UDS)	0	Completion Date : 07/11/2015
Cone (Pc)		Penetrometer (SPT)	0	Bore Hole Diameter : 150 mm/NX.
Vane (V)		Disturbed (DS)	12	Level Of Ground : 143.846 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 4.8 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
								Ref. No	Depth (m)
0.00m									
Light brownish grey silty clay. Obs. sand mixture.								DS-1	0.50
								DS-2	1.00
								DS-3	2.00
								DS-4	3.00
								DS-5	4.00
								DS-6	5.00
6.00m								DS-7	6.00
								DS-8	7.00
								DS-9	8.00
								DS-10	9.00
								DS-11	10.00
10.50m									10.50
								R1	CR=22% RQD=NIL
									11.50
								R2	CR=24% RQD=NIL
									12.50
12.50m								R3	CR=35% RQD=NIL
									13.50
								R4	CR=50% RQD=NIL
									14.00
								R5	CR=37% RQD=NIL
15.00m									15.00

NX rotary drilling from 10.50m to 30.00m

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

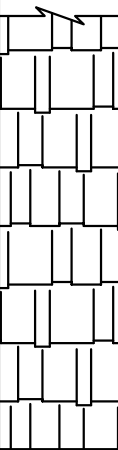

Job No : 3576 Created by : CHANDRANI Created on : 18/11/2015 Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. PMT02

Co-ordinates E=276.000
N=(-)197.000

Field Test	Nos	Samples	Nos	Commencement Date : 04/11/2015
Penetrometer (SPT)	0	Undisturbed (UDS)	0	Completion Date : 07/11/2015
Cone (Pc)		Penetrometer (SPT)	0	Bore Hole Diameter : 150 mm/NX.
Vane (V)		Disturbed (DS)	12	Level Of Ground : 143.846 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 4.8 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
								Ref. No	Depth (m)
Highly to moderately weathered, brownish grey, fine grained, rock.								R6	15.00 CR=40% RQD=NIL
								R7	16.00 CR=39% RQD=NIL
								R8	17.00 CR=38% RQD=NIL
								R9	18.00 CR=35% RQD=NIL
								R10	19.00 CR=39% RQD=NIL
								R11	20.00 CR=36% RQD=24%
								R12 DS-12	21.00 CR=NIL RQD=NIL
								R13	22.00 CR=30% RQD=NIL
								R14	23.00 CR=40% RQD=NIL
								R15	24.00 CR=26% RQD=NIL
Highly to moderately weathered, brownish grey, medium to coarse grained, rock.								R16	25.00 CR=27% RQD=NIL
								R17	26.00 CR=30% RQD=NIL
								R18	27.00 CR=36% RQD=NIL
								R19	28.00 CR=48% RQD=NIL
								R20	29.00 CR=56% RQD=45%
									30.00

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576 Created by : Chandrani Created on : 07/12/2015 Sheet No:

BORE LOG DATA SHEET **BORE HOLE NO. CST-01** Co-ordinates E=77.000 N=(-)217.000

Field Test	Nos	Samples	Nos	Commencement Date : 14/10/15
Penetrometer (SPT)	18	Undisturbed (UDS)	2	Completion Date : 17/10/15
Cone (Pc)		Penetrometer (SPT)	18	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	20	Level Of Ground : 142.648 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 3.60 m.

DESCRIPTION	SYMBOL	N-VALUE					SAMPLES	
		EACH DIVN. = 15cm.					Ref. No	Depth (m)
0.00m							DS-1	0.50
Stiff to very stiff, blackish grey, silty clay with traces of sand mixture.		5	8	7	15		SPT-1	1.00-1.45
							DS-2	1.60
							UDS-1	2.00-2.45
							DS-3	2.60
		5	8	9	17		SPT-2	3.00-3.45
3.60m							DS-4	3.60
Hard, blackish grey, silty clay with sand mixture.							*UDS-2	4.00-4.45
							DS-5	4.60
		18	35	45	80		SPT-3	5.00-5.45
							DS-6	5.60
		27	39	48	87		SPT-4	6.00-6.45
5.60m							DS-7	6.60
Very dense, yellowish brown, silty sand / sandy silt. Obs. kankars.		32	35	42	77		SPT-5	7.00-7.45
							DS-8	7.70
		35	48	50	>100		SPT-6	8.00-8.35
						5.0 cm Pentn.	DS-9	8.60
		42	50		>100		SPT-7	9.00-9.25
						10.0 cm Pentn.	DS-10	9.50
		38	50		>100		SPT-8	10.00-10.20
						5.0 cm Pentn.	DS-11	10.50
		35	50		>100		SPT-9	11.00-11.20
						5.0 cm Pentn.	DS-12	11.50
13.00m		42	50		>100		SPT-10	12.00-12.18
						3.0 cm Pentn.	DS-13	12.50
						Refusal		
		50				7.0 cm Pentn.	*SPT-11	13.00-13.0713.00
							R1	CR=35% RQD=NIL
14.50m							R2	CR=39% RQD=NIL
Completely weathered, fully decomposed & disintegrated rock particles collected as sludge.							R3	CR=NIL RQD=NIL
							DS-14	15.25-15.3515.25
15.50m		50				10.0 cm Pentn.	SPT-12	

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576 Created by : Chandrani Created on : 07/12/2015 Sheet No:

BORE LOG DATA SHEET **BORE HOLE NO. CST-01** Co-ordinates E=77.000 N=(-)217.000

Field Test	Nos	Samples	Nos	Commencement Date : 14/10/15
Penetrometer (SPT)	18	Undisturbed (UDS)	2	Completion Date : 17/10/15
Cone (Pc)		Penetrometer (SPT)	18	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	20	Level Of Ground : 142.648 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 3.60 m.

DESCRIPTION	SYMBOL	N-VALUE					SAMPLES	
		EACH DIVN. = 15cm.					Ref. No	Depth (m)
15.50m								
Completely weathered, fully decomposed & disintegrated rock particles collected as sludge.							R4	
							DS-15	
							SPT-13	16.00-16.12 16.00
							R5	
							DS-16	
18.25m							SPT-14	16.75-16.83 16.75
							R6	
							DS-17	
							SPT-15	17.50-17.59 17.50
							R7	
							DS-18	
							*SPT-16	18.25-18.32 18.25
							R8	
								19.00
							R9	
Highly weathered, light yellowish grey, medium grained, highly fractured rock.								19.75
							R10	
								20.50
							R11	
								21.25
							R12	
								22.00
							R13	
								22.75
							R14	
25.00m								23.50
							R15	
								24.25
							R16	
								25.00
Completely weathered, fully decomposed & disintegrated rock particles as sludge.							R17	
							DS-19	
							SPT-17	25.75-25.83 25.75
							R18	
							DS-20	
26.50m							*SPT-18	26.50-26.57 26.50
							R19	
								27.25
							R20	
								28.00
Highly weathered, yellowish grey, medium grained, highly fractured rock.							R21	
								28.75
							R22	
								29.50
							R23	
30.00m								30.00
N.B. - '*' means sample could not be recovered.								

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576 Created by : Chandrani Created on : 07/12/2015 Sheet No:

BORE LOG DATA SHEET **BORE HOLE NO. CST-02** Co-ordinates E=77.000 N=(-)177.000

Field Test	Nos	Samples	Nos	Commencement Date : 14/10/15
Penetrometer (SPT)	9	Undisturbed (UDS)	2	Completion Date : 17/10/15
Cone (Pc)		Penetrometer (SPT)	9	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	10	Level Of Ground : 142.894 m.
		Water Sample (WS)	0	Water Struck At :
				Standing Water Level : 3.55 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
0.00m								DS-1	0.50
Medium to stiff, blackish grey, silty clay. Obs. kankars.		2	2	4		6		SPT-1	1.00-1.45
								UDS-1	2.00-2.45
								DS-2	2.75
		4	6	9		15		SPT-2	3.00-3.45
3.60m								DS-3	3.75
								UDS-2	4.00-4.35
		50				>100		DS-4	4.75
					10.0 cm Pentn.			SPT-3	5.00-5.10
		51				>100		DS-5	5.75
					11.0 cm Pentn.			SPT-4	6.00-6.11
		32	51			>100		DS-6	6.75
					10.0 cm Pentn.			SPT-5	7.00-7.25
		34	50			>100		DS-7	7.75
					11.0 cm Pentn.			SPT-6	8.00-8.26
		50				>100		DS-8	8.75
					12.0 cm Pentn.			SPT-7	9.00-9.12
11.00m		50				>100		DS-9	9.80
					8.0 cm Pentn.			SPT-8	10.00-10.08
					9.0 cm Pentn.			*SPT-9	11.00-11.09
11.75m								R1	CR=NIL RQD=NIL
Highly to moderately weathered, light brownish grey, fine grained, highly fractured rock.								R2	CR=21% RQD=NIL
								R3	CR=21% RQD=NIL
								R4	CR=25% RQD=NIL
								R5	CR=22% RQD=NIL
								R6	CR=28% RQD=NIL
14.75m									
15.50m									

NX rotary drilling from 11.00m to 30.00m

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana. **CETEST**

Job No : 3576 Created by : Chandrani Created on : 07/12/2015 Sheet No:

BORE LOG DATA SHEET **BORE HOLE NO. CST-02** Co-ordinates E=77.000 N=(-)177.000

Field Test	Nos	Samples	Nos	Commencement Date : 14/10/15
Penetrometer (SPT)	9	Undisturbed (UDS)	2	Completion Date : 17/10/15
Cone (Pc)		Penetrometer (SPT)	9	Bore Hole Diameter : 150 mm. / N.X.
Vane (V)		Disturbed (DS)	10	Level Of Ground : 142.894 m.
		Water Sample (WS)	0	Water Struck At : Standing Water Level : 3.55 m.

DESCRIPTION	SYMBOL	N-VALUE						SAMPLES	
		EACH DIVN. = 15cm.						Ref. No	Depth (m)
<p>Highly to moderately weathered, light brownish grey, fine grained, highly fractured rock.</p> <p>N.B. — '*' means sample could not be recovered.</p>	15.50m							R7	CR=27% RQD=NIL
								R8	CR=23% RQD=NIL
								R9	CR=22% RQD=NIL
								R10	CR=29% RQD=NIL
								R11	CR=33% RQD=NIL
								R12	CR=36% RQD=NIL
								R13	CR=38% RQD=NIL
								R14	CR=33% RQD=NIL
								R15	CR=39% RQD=NIL
								R16	CR=35% RQD=13%
								R17	CR=39% RQD=NIL
								R18	CR=38% RQD=15%
								R19	CR=37% RQD=NIL
								R20	CR=35% RQD=NIL
								R21	CR=39% RQD=17%
								R22	CR=35% RQD=15%
								R23	CR=38% RQD=16%
								R24	CR=44% RQD=NIL
	30.00m							R25	CR=49% RQD=17%