D-1-12(B)

ANNEXURE (B)

CONSTRUCTION METHODOLOGY

Construction and erection activities shall be fully mechanized from the start of the work.

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.

For controlled rock blasting specialized agency, equipped with sensors to assess the impact of the blast on the adjoining existing structures, shall be employed.

Dewatering shall be done using the combination of electrical and standby diesel pumps.

Pile installation equipment suitable for flushing with air lift technique shall be used for construction of bored piles.

For concreting, weigh batching plants, transit mixers, concrete pumps, hoists, etc. shall be used.

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.

All handling of materials shall be with cranes. Heavy trailers shall be used for transportation.

Mechanized modular units of scaffolding and shuttering shall be used.

Grouting shall be carried out using hydraulically controlled grouting equipment.

Roadwork shall be done using pavers, rollers and premix plant.

All finishing items shall be installed using appropriate modern mechanical tools. Manual punching etc. shall not be permitted.

Heavy duty hoists for lifting of construction materials shall be deployed. Compressors for cleaning of foundations and other surfaces shall be used.

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.

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.

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BORE LOG DATA SHEET

BORE HOLE NO. 1

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	16	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	16
		Disturbed (DS)	18
Vane (V)		Water Sample (WS)	0

Commencement Date : 31/08/15
Completion Date : 03/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 143.679 m.
Water Struck At :
Standing Water Level : 1.7 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES 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			DS-3	2.80
		11 22 28 — 50	SPT-2	3.00-3.45
Hard, brownish grey to yellowish grey, silty clay with traces of kankar. Obs. mica.			DS-4	3.80
		15 19 27 — 46	SPT-3	4.00-4.45
			DS-5	4.75
			UDS-2	5.00-5.13
5.70m			DS-6	5.70
		35 50 — ≥100	SPT-4	6.00-6.23
		8.0 cm Pentn.	DS-7	6.60
Hard, brownish grey to yellowish grey, silty clay. Obs. rusty spots.		34 52 — ≥100	SPT-5	7.00-7.24
		9.0 cm Pentn.	DS-8	7.70
		54 — ≥100	SPT-6	8.00-8.14
		14.0 cm Pentn.	SPT-7	8.25-8.33
8.25m		55 — ≥100	R1	CR=42% RQD=NIL
		8.0 cm Pentn.		9.00
Moderately weathred, brownish grey to yellowish grey, medium graned, highly fractured rock.			R2	CR=46% RQD=NIL
		NX rotary drilling from 8.25m to 30.00m		9.75
			R3	CR=50% RQD=NIL
10.50m				10.50
			R4	CR=NIL RQD=NIL
		≥100	SPT-8	11.25-11.38
		55 — 13.0 cm Pentn.	R5	CR=20% RQD=NIL
				12.00
Completely to highly weathered, yellowish grey to brownish grey, medium grained rock fragment collected as sludge. Obs. mica.			R6	CR=NIL RQD=NIL
		≥100	SPT-9	12.75-12.85
		52 — 10.0 cm Pentn.	R7	CR=NIL RQD=NIL
				13.50
			R8	CR=25% RQD=NIL
				14.25
			R9	CR=NIL RQD=NIL
Completely to moderately weathered, blackish grey to brownish grey, medium grained, fractured rock. Obs. rusty spots. 15.00m		≥100	SPT-10	15.00-15.09
15.50m		50 — 9.0 cm Pentn.	R10	CR=48% RQD=NIL

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BORE LOG DATA SHEET

BORE HOLE NO. 1

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	16	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	16
		Disturbed (DS)	18
Vane (V)		Water Sample (WS)	0

Commencement Date : 31/08/15
Completion Date : 03/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 143.679 m.
Water Struck At :
Standing Water Level : 1.7 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m. Completely to moderately weathered, blackish grey to brownish grey, medium grained, fractured rock. Obs. rusty spots.		≥100	R11	15.75 CR=NIL RQD=NIL
16.50m. Highly weathered, brownish grey, medium grained, fractured sandstone. Obs. mica & rusty spots.		46 52 2.0 cm Pentn.	SPT-11 16.50-16.67	16.50
			R12	CR=24% RQD=NIL
			R13	17.25 CR=25% RQD=NIL
18.00m. Completely weathered, yellowish grey to brownish grey, fine to medium grianed rock fragments collected as sludge. Obs. mica.		≥100	R14	18.00 CR=NIL RQD=NIL
		52 12.0 cm Pentn. ≥100	SPT-12 18.75-18.87	18.75
			R15	CR=NIL RQD=NIL
		55 13.0 cm Pentn. ≥100	SPT-13 19.50-19.63	19.50
			R16	CR=NIL RQD=NIL
		52 13.0 cm Pentn. ≥100	SPT-14 20.25-20.38	20.25
			R17	CR=NIL RQD=NIL
		54 12.0 cm Pentn. ≥100	SPT-15 21.00-21.12	21.00
			R18	CR=NIL RQD=NIL
21.75m. Highly weathered, brownish grey to yellowish grey, coarse graied, highly fractured rock. Obs. kankars & rusty spots.		55 13.0 cm Pentn.	SPT-16 21.75-21.88	21.75
			R19	CR=26% RQD=NIL
			R20	22.50 CR=34% RQD=23%
			R21	23.25 CR=41% RQD=NIL
			R22	24.00 CR=28% RQD=NIL
			R23	24.75 CR=32% RQD=17%
			R24	25.50 CR=25% RQD=NIL
26.25m. Highly to moderately weathered, blackish grey to yellowish grey, medium grained, fractured rock. Obs. rusty spots.			R25	26.25 CR=39% RQD=37%
			R26	27.00 CR=29% RQD=NIL
			R27	27.75 CR=24% RQD=NIL
			R28	28.25 CR=40% RQD=NIL
			R29	29.00 CR=49% RQD=NIL
30.00m.				30.00

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BORE LOG DATA SHEET

BORE HOLE NO. 2

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	12	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	12
		Disturbed (DS)	13
Vane (V)		Water Sample (WS)	0

Commencement Date : 03/09/15
Completion Date : 07/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 143.809 m.
Water Struck At :
Standing Water Level : 1.65 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Stiff, blackish grey to brownish grey, silty clay with low % of sand mixture. Obs. rusty spots.		2 3 6 — 9	DS-1	0.50
			SPT-1	1.00-1.45
1.75m			DS-2	1.75
			UDS-1	2.00-2.45
Hard, blackish grey to brownish grey, silty clay with low % of sand mixture. Obs. rusty spots.			DS-3	2.80
		8 14 22 — 36	SPT-2	3.00-3.45
3.75m			DS-4	3.75
			UDS-2	4.00-4.30
Hard, brownish grey to yellowish grey, silty clay. Obs. kankars & steel grey patches.			DS-5	4.70
		16 28 31 — 59	SPT-3	5.00-5.45
5.50m			DS-6	5.75
		22 48 55 — >100	SPT-4	6.00-6.32
		2.0 cm Pentn. — >100	DS-7	6.70
		47 52 — >100	SPT-5	7.00-7.17
Hard, brownish grey to yellowish grey, silty clay. Obs. rusty spots.		2.0 cm Pentn. — >100	DS-8	7.60
		34 53 — >100	SPT-6	8.00-8.22
		7.0 cm Pentn. — >100	DS-9	8.70
		55 — >100	SPT-7	9.00-9.12
		12.0 cm Pentn. — >100	DS-10	9.60
		54 — >100	SPT-8	10.00-10.10
10.25m		10.0 cm Pentn. — >100	SPT-9	10.25-10.34
		55 — >100		10.25
		9.0 cm Pentn.	R1	CR=46% RQD=13%
				11.00
		NX rotary drilling from 10.25m to 30.00m	R2	CR=41% RQD=NIL
				11.75
			R3	CR=64% RQD=NIL
Moderately weathered, brownish grey to yellowish grey, medium grained rock. Obs. rusty spots.				12.50
			R4	CR=41% RQD=NIL
				13.25
			R5	CR=53% RQD=NIL
				14.00
			R6	CR=52% RQD=NIL
				14.75
			R7	CR=47% RQD=NIL
15.50m				15.50

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BORE HOLE NO. 2

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	12	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	12
Vane (V)		Disturbed (DS)	13
		Water Sample (WS)	0

Commencement Date : 03/09/15
Completion Date : 07/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 143.809 m.
Water Struck At :
Standing Water Level : 1.65 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m.				
Completely to highly weathered, yellowish grey to brownish grey, coarse grained, rock fragment collected as sludge. Obs. mica.		52 ≥100 8.0 cm Pentn. 54 ≥100 10.0 cm Pentn. 55 ≥100 10.0 cm Pentn.	R8 SPT-10 R9 SPT-11 R10 SPT-12 R11	CR=NIL RQD=NIL 16.25-16.33 16.25 CR=NIL RQD=NIL 17.00-17.10 17.00 CR=NIL RQD=NIL 18.00-18.10 18.00 CR=23% RQD=NIL
18.75m.				18.75
Highly to moderately to slightly weathered, blackish grey to brownish grey, medium grained rock.			R12 R13 R14 R15 R16	CR=27% RQD=23% 19.50 CR=57% RQD=NIL 20.25 CR=63% RQD=17% 21.00 CR=61% RQD=56% 21.75 CR=63% RQD=55%
22.50m.				22.50
Moderately weathered, brownish grey to yellowish grey, coarse grained rock.			R17 R18 R19 R20 R21 R22 R23	CR=51% RQD=NIL 23.25 CR=40% RQD=NIL 24.00 CR=45% RQD=14% 24.75 CR=51% RQD=15% 25.50 CR=47% RQD=19% 26.25 CR=40% RQD=13% 27.00 CR=59% RQD=NIL
27.75m.				27.75
Moderately to slightly weathered, brownish grey to greyish brown, coarse grained rock.			R24 R25 R26 DS-11	CR=53% RQD=NIL 28.50 CR=77% RQD=75% 29.25 CR=56% RQD=45% 30.00 30.00
30.00m.				

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BORE LOG DATA SHEET

BORE HOLE NO. 3

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	9	Undisturbed (UDS)	1
Cone (Pc)		Penetrometer (SPT)	9
		Disturbed (DS)	9
Vane (V)		Water Sample (WS)	0

Commencement Date : 07/09/15
Completion Date : 10/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 143.912 m.
Water Struck At :
Standing Water Level : 4.5 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Stiff, brownish grey to blackish grey, silty clay.		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			DS-3	2.70
Hard, blackish grey, silty clay. Obs. sand from 3.70m to 4.30m & calcareous nodules.		11 23 33 (56)	SPT-2	3.00-3.45
			DS-4	3.70
4.30m		9 25 37 (62)	SPT-3	4.00-4.45
			DS-5	4.70
		23 34 52 (>100) 12.0 cm Penetn.	SPT-4	5.00-5.42
			DS-6	5.70
Hard, brownish grey, silty clay. Obs. sand mixture & calcareous nodules.		19 36 55 (>100) 8.0 cm Penetn.	SPT-5	6.00-6.38
			DS-7	6.50
		50 (>100) 13.0 cm Penetn.	SPT-6	7.00-7.13
			DS-8	7.50
		50 (>100) 9.0 cm Penetn.	SPT-7	8.00-8.09
8.50m		50 Refusal 5.0 cm Penetn.	SPT-8	*8.50-8.55
			R1	CR=34% RQD=NIL 9.25
			R2	CR=41% RQD=NIL 10.00
		NX rotary drilling from 8.50m to 30.00m	R3	CR=50% RQD=NIL 10.75
			R4	CR=49% RQD=18% 11.50
Highly to modeately weathered, brownish grey, fine to medium grained, moderately fractured rock. Obs. sand stone pieces & mica.			R5	CR=49% RQD=NIL 12.25
			R6	CR=54% RQD=NIL 13.00
			R7	CR=58% RQD=48% 13.75
			R8	CR=36% RQD=NIL 14.50
			R9	CR=44% RQD=NIL 15.25
15.50m				

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BORE LOG DATA SHEET — BORE HOLE NO. 3

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	9	Undisturbed (UDS)	1
Cone (Pc)		Penetrometer (SPT)	9
		Disturbed (DS)	9
Vane (V)		Water Sample (WS)	0

Commencement Date : 07/09/15
Completion Date : 10/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 143.912 m.
Water Struck At :
Standing Water Level : 4.5 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m			R10	CR=45% RQD=20% 16.00
Highly to modeately weathered, brownish grey, fine to medium grained, moderately fractured rock. Obs. sand stone pieces & mica.			R11	CR=38% RQD=NIL 16.75
			R12	CR=40% RQD=NIL 17.50
			R13	CR=36% RQD=NIL 18.25
18.50m			R14	CR=46% RQD=24% 19.00
Highly to moderately weathered, light brownish grey, medium to coarse grained, moderately fractured rock.			R15	CR=25% RQD=NIL 19.75
			R16	CR=28% RQD=NIL 20.50
20.50m			R17	CR=NIL RQD=NIL
Completely weathered, light brownish grey, medium to coarse grained, moderately fractured rock.		Refusal	*SPT-9	21.25-21.27 21.25
21.25m		50 / 2.0 cm Penth.	R18	CR=36% RQD=NIL 22.00
Highly to moderately weathered, light brownish grey, medium to coarse grained, moderately fractured rock.			R19	CR=37% RQD=21% 22.75
			R20	CR=34% RQD=NIL 23.50
			R21	CR=50% RQD=28% 24.25
24.25m			R22	CR=58% RQD=55% 25.00
Moderately weathered, light brownish grey, medium to coarse grained, moderately fractured rock.			R23	CR=51% RQD=40% 25.75
			R24	CR=41% RQD=25% 26.50
26.50m			R25	CR=52% RQD=NIL 27.25
Moderately to slightly weathered, brownish grey to blackish grey, fractured rock.			R26	CR=56% RQD=21% 28.00
			R27	CR=60% RQD=NIL 28.75
			R28	CR=58% RQD=48% 29.50
30.00m			R29	CR=80% RQD=36% 30.00

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

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BORE LOG DATA SHEET

BORE HOLE NO. 4

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	12	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	12
		Disturbed (DS)	13
Vane (V)		Water Sample (WS)	0

Commencement Date : 08/09/15
Completion Date : 11/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 143.88 m.
Water Struck At :
Standing Water Level : 4.1 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Stiff, brownish grey to light grey, blackish grey, silty clay. Obs. sand mixture.		3 3 6 (9)	DS-1	0.50
			SPT-1	1.00-1.45
1.80m			DS-2	1.75
			UDS-1	2.00-2.45
Very stiff, whitish grey to brownish grey, silty clay. Obs. kankars.		8 11 12 (23)	DS-3	2.80
			SPT-2	3.00-3.45
			DS-4	3.75
			UDS-2	4.00-4.30
4.70m			DS-5	4.70
Very dense, whitish grey to yellowish grey, silty sand with kankars. Obs. mica.		10 23 33 (56)	SPT-3	5.00-5.45
5.80m			DS-6	5.75
Hard, brownish grey to yellowish grey, silty clay. Obs. rusty spots.		28 50 0 (>100) 11.0 cm Penetn.	SPT-4	6.00-6.26
			DS-7	6.50
		54 (>100) 12.0 cm Penetn.	SPT-5	7.00-7.12
7.25m		55 (>100) 10.0 cm Penetn.	SPT-6	7.25-7.35
			R1	CR=48% RQD=NIL
Highly weathered, brownish grey to whitish grey, medium grained rock.			R2	CR=33% RQD=NIL
		NX rotary drilling from 7.25m to 30.00m	R3	CR=40% RQD=NIL
9.50m			R4	CR=45% RQD=25%
Moderately weathered, whitish grey to yellowish grey, coarse grained rock.				
10.25m			R5	CR=NIL RQD=NIL
		(>100)	DS-8	
		54 (>100) 10.0 cm Penetn.	SPT-7	11.00-11.10
			R6	CR=NIL RQD=NIL
		55 (>100) 12.0 cm Penetn.	DS-9	
			SPT-8	11.75-11.87
Completely weathered, yellowish to whitish grey, medium to fine grained, fully decomposed rock gragment collected as sludge.			R7	CR=NIL RQD=NIL
		50 (>100) 12.0 cm Penetn.	DS-10	
			SPT-9	12.50-12.62
			R8	CR=NIL RQD=NIL
		54 (>100) 8.0 cm Penetn.	DS-11	
			SPT-10	13.25-13.33
			R9	CR=NIL RQD=NIL
		53 (>100) 7.0 cm Penetn.	DS-12	
			SPT-11	14.00-14.07
			R10	CR=NIL RQD=NIL
14.75m			DS-13	
Highly to moderately weathered, whitish grey to yellowish grey, coarse grained rock. Obs. mica & rusty spots.		55 (>100) 8.0 cm Penetn.	SPT-12	14.75-14.83
15.50m			R11	CR=33% RQD=NIL

7.25 / 8.00 / 8.75 / 9.50 / 10.25 / 11.00 / 11.75 / 12.50 / 13.25 / 14.00 / 14.75 / 15.50

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BORE HOLE NO. 4

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	12	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	12
		Disturbed (DS)	13
Vane (V)		Water Sample (WS)	0

Commencement Date : 08/09/15
Completion Date : 11/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 143.88 m.
Water Struck At :
Standing Water Level : 4.1 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m.				
			R12	CR=28% RQD=NIL — 16.25
			R13	CR=59% RQD=37% — 17.00
			R14	CR=40% RQD=20% — 17.75
Highly to moderately weathered, whitish grey to yellowish grey, coarse grained rock. Obs. mica & rusty spots.			R15	CR=39% RQD=24% — 18.50
			R16	CR=55% RQD=49% — 19.25
			R17	CR=44% RQD=NIL — 20.00
			R18	CR=41% RQD=NIL — 20.75
20.75m.				
			R19	CR=53% RQD=NIL — 21.50
			R20	CR=51% RQD=NIL — 22.25
			R21	CR=56% RQD=NIL — 23.00
Moderatey to slightly weathered, dark grey to yellowish grey, medium grained rock. Obs. rusty spots.			R22	CR=54% RQD=NIL — 23.75
			R23	CR=62% RQD=NIL — 24.50
			R24	CR=51% RQD=16% — 25.25
			R25	CR=56% RQD=NIL — 26.00
26.00m.				
			R26	CR=45% RQD=NIL — 26.75
			R27	CR=35% RQD=31% — 27.50
Highly to moderately weathered, whitish grey to yellowish grey, medium to coarse grained rock. Obs. mica.			R28	CR=57% RQD=37% — 28.25
			R29	CR=50% RQD=16% — 29.00
			R30	CR=41% RQD=NIL — 30.00
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. 5

Co-ordinates E=223.000 N=(-)177.000

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	11	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	11
Vane (V)		Disturbed (DS)	13
		Water Sample (WS)	0

Commencement Date : 14/09/15
Completion Date : 16/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 144.49 m.
Water Struck At :
Standing Water Level : 2.8 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Stiff, brownish grey to yellowish grey, silty clay. Obs. rusty spots & sand mixture.		6 6 9 (15)	DS-1	0.50
			SPT-1	1.00-1.45
			DS-2	1.75
			UDS-1	2.00-2.45
2.80m			DS-3	2.80
Very stiff, whitish grey to yellowish grey, silty clay. Obs. mica.		8 8 10 (18)	SPT-2	3.00-3.45
			DS-4	3.75
			UDS-2	4.00-4.38
4.70m			DS-5	4.70
Very dense, greyish brown to brownish grey, silty sand. Obs. kankars.		15 26 52 (≥100) 7.0 cm Pentn.	SPT-3	5.00-5.37
			DS-6	5.80
		22 26 52 (≥100) 8.0 cm Pentn.	SPT-4	6.00-6.38
6.50m			DS-7	6.80
Very dense, brownish grey, silty sand. Obs. kankars.		28 39 50 (≥100) 5.0 cm Pentn.	SPT-5	7.00-7.35
			DS-8	7.75
8.00m		38 52 (≥100) 13.0 cm Pentn.	SPT-6	8.00-8.28
Highly weathered, brownish grey, highly fractured rock. Obs. mica.		NX rotary drilling from 8.00m to 30.00m	R1	CR=23% RQD=NIL 8.00
			R2	CR=24% RQD=NIL 8.75
			R3	CR=26% RQD=NIL 9.50
			R4	CR=29% RQD=NIL 10.25
			R5	CR=33% RQD=NIL 11.00
			R6	CR=21% RQD=NIL 11.75
			R7	CR=32% RQD=NIL 12.50
13.25m			R8	CR=NIL RQD=NIL 13.25
Completely weathered, greyish brown, medium grained, rock fragment collected as sludge. Obs. mica.		36 51 (≥100) 10.0 cm Pentn.	DS-9	
			SPT-7	14.00-14.25
			R9	CR=NIL RQD=NIL 14.00
		36 51 (≥100) 13.0 cm Pentn.	DS-10	
			SPT-8	14.75-15.03
			R10	CR=NIL RQD=NIL 14.75
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 : 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
Penetrometer (SPT)	11	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	11
Vane (V)		Disturbed (DS)	13
		Water Sample (WS)	0

Commencement Date : 14/09/15
Completion Date : 16/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 144.49 m.
Water Struck At :
Standing Water Level : 2.8 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m.			DS-11	
Completely weathered, greyish brown, medium grained, rock fragment collected as sludge.		39 51 ≥100	SPT-9	15.50-15.72
		7.0 cm Pentn.	R11	CR=NIL RQD=NIL
		≥100	DS-12	16.25
		50	SPT-10	16.25-16.38
		13.0 cm Pentn.	R12	CR=NIL RQD=NIL
17.00m.		≥100	DS-13	17.00
		53	SPT-11	17.00-17.12
		12.0 cm Pentn.	R13	CR=24% RQD=NIL
				17.75
			R14	CR=21% RQD=NIL
Highly weathered, greyish brown, medium grained, fractured rock.				18.50
			R15	CR=25% RQD=NIL
				19.25
			R16	CR=21% RQD=NIL
				20.00
			R17	CR=23% RQD=NIL
20.75m.				20.75
			R18	CR=27% RQD=NIL
				21.50
			R19	CR=32% RQD=NIL
				22.25
			R20	CR=30% RQD=NIL
				23.00
			R21	CR=31% RQD=NIL
Highly to moderately weathered, brownish grey to dark grey, highly fractued rock.				23.75
			R22	CR=37% RQD=NIL
				24.50
			R23	CR=40% RQD=20%
				25.25
			R24	CR=44% RQD=21%
				26.00
			R25	CR=30% RQD=21%
				26.75
			R26	CR=41% RQD=NIL
27.50m.				27.50
			R27	CR=58% RQD=13%
				28.25
Moderately to slightly weathered, dark grey, ighly fractured rock.			R28	CR=53% RQD=NIL
				29.00
			R29	CR=71% RQD=21%
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 : 16/09/2015	Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. 6

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	10	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	10
		Disturbed (DS)	10
Vane (V)		Water Sample (WS)	0

Commencement Date : 29/08/15
Completion Date : 03/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 144.727 m.
Water Struck At :
Standing Water Level : 5.8 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Stiff to very stiff, brownish grey, silty clay with traces of sand mixture.		7 7 8 (15)	DS-1	0.50
			SPT-1	1.00-1.45
			DS-2	1.75
			UDS-1	2.00-2.45
			DS-3	2.80
		7 9 12 (21)	SPT-2	3.00-3.45
3.70m			DS-4	3.70
Light grey clayey silty sand.			UDS-2	4.00-4.30
			DS-5	4.80
5.00m		13 28 50 (≥100) 10.0 cm Penth.	SPT-3	5.00-5.40
			DS-6	5.80
Very dense, brownish grey to greyish brown, coarse grained, silty sand. Obs. mica.		50 (≥100) 10.0 cm Penth.	SPT-4	6.00-6.10
			DS-7	6.50
		42 50 (≥100) 2.0 cm Penth.	SPT-5	7.00-7.17
7.50m			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) 5.0 cm Penth.	SPT-6	8.00-8.20
			DS-9	8.65
9.00m		20 37 50 (≥100) 2.0 cm Penth.	SPT-7	9.00-9.32
			DS-10	9.60
Hard, brownish grey, silty clay with sand mixture. Obs. rusty spots.		21 58 (≥100) 10.0 cm Penth.	SPT-8	10.00-10.25
11.00m		54 (≥100) 9.0 cm Penth.	SPT-9	11.00-11.09
			R1	CR=28% RQD=NIL 11.75
		31 50 (≥100) 12.0 cm Penth.	SPT-10	11.75-12.02
			R2	CR=60% RQD=21% 12.50
Moderartely to slightly weathered, blackish grey to greyish brown, highly fractured rock.			R3	CR=73% RQD=NIL 13.25
		NX rotary drilling from 11.00m to 30.00m	R4	CR=72% RQD=NIL 14.00
			R5	CR=65% RQD=NIL 14.75
			R6	CR=63% RQD=NIL 15.50
15.50m				

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana			CETEST
Job No : 3576	Created by : Chandrani	Created on : 16/09/2015	Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. 6

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	10	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	10
		Disturbed (DS)	10
Vane (V)		Water Sample (WS)	0

Commencement Date : 29/08/15
Completion Date : 03/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 144.727 m.
Water Struck At :
Standing Water Level : 5.8 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES 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.				

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. 7

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	15	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	15
		Disturbed (DS)	15
Vane (V)		Water Sample (WS)	0

Commencement Date : 03/09/15
Completion Date : 07/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 144.12 m.
Water Struck At :
Standing Water Level : 4.2 m.

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

BH-7/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. 7

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	15	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	15
		Disturbed (DS)	15
Vane (V)		Water Sample (WS)	0

Commencement Date : 03/09/15
Completion Date : 07/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 144.12 m.
Water Struck At :
Standing Water Level : 4.2 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	Depth (m)
15.50m.				15.75
Highly to moderately weathered, blackish grey to brownish grey, highly fractured rock.			R6 CR=60% RQD=NIL	16.50
			R7 CR=48% RQD=15%	17.25
17.25m.			R8 CR=NIL RQD=NIL	
		Refusal	DS-12	
		50	*SPT-11	18.00-18.04 18.00
		4.0 cm Penth.	R9 CR=NIL RQD=NIL	
Completely weathered, greyish brown, coarse grained rock fragment collected as sludge.		Refusal	DS-13	
		51	*SPT-12	18.75-18.78 18.75
		3.0 cm Penth.	R10 CR=NIL RQD=NIL	
		Refusal	DS-14	
		50	*SPT-13	19.50-19.54 19.50
		4.0 cm Penth.	R11 CR=NIL RQD=NIL	
		Refusal	DS-15	
20.25m.		50	*SPT-14	20.25-20.28 20.25
Moderately weathered, brownish grey to greyish brown, medium to coarse grained, fractured rock. Obs. mica.		3.0 cm Penth.	R12 CR=40% RQD=NIL	
		Refusal		
		50	*SPT-15	21.00-21.02 21.00
		2.0 cm Penth.	R13 CR=40% RQD=NIL	
21.75m.				21.75
			R14 CR=59% RQD=16%	22.50
			R15 CR=63% RQD=NIL	23.25
Moderately weathered, brownish grey to greyish brown, medium to coarse grained, fractured rock. Obs. mica.			R16 CR=65% RQD=27%	24.00
			R17 CR=65% RQD=52%	24.50
			R18 CR=63% RQD=20%	
25.50m.				25.50
			R19 CR=44% RQD=18%	26.25
Moderately weathered, brownish grey to greyish brown, medium to coarse grained, fractured rock. Obs. mica.			R20 CR=49% RQD=22%	27.00
			R21 CR=37% RQD=NIL	27.75
			R22 CR=50% RQD=NIL	28.50
28.50m.				
Moderately weathered, brownish grey to greyish brown, medium to coarse grained, fractured rock. Obs. mica.			R23 CR=74% RQD=16%	29.25
			R24 CR=66% RQD=36%	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 : 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
Penetrometer (SPT)	13	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	13
		Disturbed (DS)	13
Vane (V)		Water Sample (WS)	0

Commencement Date : 11/09/15
Completion Date : 14/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 144.032 m.
Water Struck At :
Standing Water Level : 2.2 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES 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 Penetn.	SPT-3	4.60-4.68
			DS-5	4.85
		54 Refusal	*SPT-4	5.00-5.07
5.20m				
Very dense, brownish grey, silty sand with traces of mica. Obs. clay binder.		7.0 cm Penetn. (>100)	DS-6	5.60
		53	SPT-5	6.00-6.12
		12.0 cm Penetn. (>100)	DS-7	6.50
7.20m		50	SPT-6	7.00-7.10
Hard, brownish grey, silty clay. Obs. calcareous nodules.		10.0 cm Penetn. (>100)	DS-8	7.50
		50	SPT-7	8.00-8.10
		10.0 cm Penetn. (>100)	DS-9	8.50
		52	SPT-8	9.00-9.09
9.25m		9.0 cm Penetn. 52 Refusal	*SPT-9	9.25-9.28
Highly to moderately weathered, brownish grey to greyish brown, fine grained, fractured rock.		3.0 cm Penetn. NX rotary drilling from 9.25m to 30.00m	R1	CR=37% RQD=NIL 10.00
			R2	CR=41% RQD=NIL 10.75
			R3	CR=52% RQD=NIL 11.50
			R4	CR=48% RQD=28% 12.25
			R5	CR=41% RQD=NIL 13.00
			R6	CR=44% RQD=NIL 13.75
			R7	CR=38% RQD=NIL 14.50
			R8	CR=45% RQD=NIL 15.25
15.50m				

BH-8/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 : 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
Penetrometer (SPT)	13	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	13
		Disturbed (DS)	13
Vane (V)		Water Sample (WS)	0

Commencement Date : 11/09/15
Completion Date : 14/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 144.032 m.
Water Struck At :
Standing Water Level : 2.2 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES 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
Highly weathered, brownish grey, medium to coarse grained, partily frctured rock.			R16	CR=29% RQD=NIL 21.25
			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.		Refusal	R23 DS-10	CR=NIL RQD=NIL
		54	*SPT-10	26.50-26.53 26.50
Completely weathered, yellowish grey to whitish grey, medium to fine grained, fully decomposed rock, fragment collect as sludge. Obs. mica.		3.0 cm Pentn. Refusal	R24 DS-11	CR=NIL RQD=NIL
		52	*SPT-11	27.25-27.28 27.25
		3.0 cm Pentn. Refusal	R25 DS-12	CR=NIL RQD=NIL
		53	*SPT-12	28.00-28.02 28.00
		2.0 cm Pentn. Refusal	R26 DS-13	CR=NIL RQD=NIL
28.75m.		50	*SPT-13	28.75-28.78 28.75
Moderately weathered, yellowish grey, medium graind rock.		3.0 cm Pentn.	R27	CR=42% RQD=13% 29.50
			R28	CR=40% RQD=13% 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 : 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
Penetrometer (SPT)	13	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	13
		Disturbed (DS)	10
Vane (V)		Water Sample (WS)	0

Commencement Date : 12/09/15
Completion Date : 14/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 143.066 m.
Water Struck At :
Standing Water Level : 1.7 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Stiff, blackish grey to brownish grey, silty clay. Obs. low % of sand mixture.		2 4 6 — 10	DS-1	0.50
			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.			UDS-1	2.00-2.45
			DS-3	2.80
3.00m		9 15 21 — 36	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 — >100 — 11.0 cm Pentn.	SPT-3	5.00-5.40
			DS-6	5.75
6.30m		18 55 — >100 — 2.0 cm Pentn.	SPT-4	6.00-6.17
			DS-7	6.60
Very dense, yellowish grey to whitish grey, silty sand. Obs. mica.		38 52 — >100 — 9.0 cm Pentn.	SPT-5	7.00-7.24
			DS-8	7.70
		52 — >100 — 9.0 cm Pentn.	SPT-6	8.00-8.09
			DS-9	8.50
9.00m		55 — >100 — 8.0 cm Pentn.	SPT-7	9.00-9.08
Highly to moderately weathered, yellowish grey to whitish grey, medium to fine grained rock. Obs. mica.		NX rotary drilling from 9.00m to 30.00m	R1	CR=28% RQD=NIL — 9.75
			R2	CR=35% RQD=16% — 10.50
			R3	CR=43% RQD=36% — 11.25
			R4	CR=45% RQD=NIL — 12.00
			R5	CR=47% RQD=33% — 12.75
			R6	CR=40% RQD=NIL — 13.50
			R7	CR=45% RQD=32% — 14.25
14.25m			R8	CR=30% RQD=NIL — 15.00
Highly to moderately weathered, pinkish grey to yellowish grey, medium grained rock. Obs. mica.				
15.50m				

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. 9

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	13	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	13
		Disturbed (DS)	10
Vane (V)		Water Sample (WS)	0

Commencement Date : 12/09/15
Completion Date : 14/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 143.066 m.
Water Struck At :
Standing Water Level : 1.7 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m.			R9	CR=32% RQD=13% 15.75
Highly to moderately weathered, pinkish grey to yellowish grey, medium grained rock. Obs. mica.			R10	CR=47% RQD=44% 16.50
			R11	CR=32% RQD=13% 17.25
17.25m.			R12	CR=36% RQD=NIL 18.00
Highly weathered, brownish grey to greyish brown, medium grained rock. Obs. rusty spots.			R13	CR=30% RQD=NIL 18.75
			R14	CR=32% RQD=NIL 19.50
19.50m.			R15	CR=NIL RQD=NIL
Completely weathered, yellowish grey to whitish grey, medium to fine grained, fully decomposed rock, fragment collected as sludge.		55 >100 8.0 cm Penth. Refusal	SPT-8	20.25-20.33 20.25
			R16 DS-10	CR=NIL RQD=NIL
		52 7.0 cm Penth. Refusal	*SPT-9	21.00-21.07 21.00
			R17	CR=NIL RQD=NIL
21.75m.		54 9.0 cm Penth. Refusal	SPT-10	21.75-21.84 21.75
Completely weathered, yellowish grey to whitish grey, medium to coarse fully decomposed rock.			R18	CR=NIL RQD=NIL
22.50m.		52 6.0 cm Penth.	*SPT-11	22.50-22.56 22.50
			R19	CR=32% RQD=NIL 23.25
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
24.75m.			R22	CR=NIL RQD=NIL
Completely weathered, yellowish grey to whitish grey, medium to coarse fully decomposed rock.		Refusal	*SPT-12	25.50-25.53 25.50
25.50m.		54 3.0 cm Penth.	R23	CR=44% RQD=25% 26.25
Highly to moderately weathered, yellowish grey to whitish grey, medium to coarse grained rock.			R24	CR=35% RQD=19% 27.00
			R25	CR=32% RQD=16% 27.75
			R26	CR=40% RQD=32% 28.50
28.50m.			R27	CR=NIL RQD=NIL
Completely weathered, yellowish grey to whitish grey, medium to fine grained, rock fragment collected as sludge. Obs. mica.		Refusal 52 3.0 cm Penth.	*SPT-13	29.25-29.28 29.25
			R28	CR=NIL RQD=NIL
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 : 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
Penetrometer (SPT)	11	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	11
		Disturbed (DS)	12
Vane (V)		Water Sample (WS)	0

Commencement Date : 14/09/15
Completion Date : 16/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 144.44 m.
Water Struck At :
Standing Water Level : 3.05 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES 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			DS-2	1.75
			UDS-1	2.00-2.45
Very stiff, brownish grey to yellowish grey, silty clay. Obs. calcareous nodules.		6 11 18 — 29	DS-3	2.70
			SPT-2	3.00-3.45
			DS-4	3.75
4.30m			UDS-2	4.00-4.30
			DS-5	4.70
Hard, brownish grey to yellowish grey, silty clay with decomposed rock.		14 33 47 — 80	SPT-3	5.00-5.45
		≥100	DS-6	5.75
		52 — 8.0 cm Pentn.	SPT-4	6.00-6.08
6.50m			DS-7	6.50
		≥100	SPT-5	7.00-7.12
		54 — 12.0 cm Pentn.	DS-8	7.60
		≥100	SPT-6	8.00-8.10
		50 — 10.0 cm Pentn.	DS-9	8.65
		Refusal	*SPT-7	9.00-9.07
Very dense, yellowish grey to whitish grey, silty sand. Obs. gravels.		52 — 7.0 cm Pentn.	DS-10	9.60
		Refusal	*SPT-8	10.00-10.03
		50 — 3.0 cm Pentn.	DS-11	10.50
		Refusal	*SPT-9	11.00-11.02
		50 — 2.0 cm Pentn.	DS-12	11.50
		Refusal	*SPT-10	12.00-12.03
		51 — 3.0 cm Pentn.	*SPT-11	12.25-12.27
12.25m		52 — Refusal		12.25
		2.0 cm Pentn.	R1	CR=37% RQD=19%
				13.00
			R2	CR=35% RQD=19%
Highly to moderately weathered, brownish grey to yellowish grey, medium to coarse grained rock. Obs. mica.		NX rotary drilling from 12.25m to 30.00m		13.75
			R3	CR=34% RQD=NIL
				14.50
			R4	CR=32% RQD=NIL
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 : 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
Penetrometer (SPT)	11	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	11
Vane (V)		Disturbed (DS)	12
		Water Sample (WS)	0

Commencement Date : 14/09/15
Completion Date : 16/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 144.44 m.
Water Struck At :
Standing Water Level : 3.05 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m.			R5	CR=30% RQD=NIL — 16.00
Highly to moderately weathered, brownish grey to yellowish grey, medium to coarse grained rock. Obs. mica.			R6	CR=44% RQD=13% — 16.75
			R7	CR=43% RQD=17% — 17.50
17.50m.			R8	CR=41% RQD=NIL — 18.25
Moderately weathered, dark grey to yellowish grey, medium grianed rock.			R9	CR=43% RQD=NIL — 19.00
19.00m.			R10	CR=27% RQD=NIL — 19.75
			R11	CR=25% RQD=NIL — 20.50
Highly weathered, yellowish grey to whitish grey, medium to coarse grained rock.			R12	CR=24% RQD=NIL — 21.25
			R13	CR=32% RQD=NIL — 22.00
			R14	CR=37% RQD=NIL — 22.75
22.75m.			R15	CR=43% RQD=NIL — 23.50
Highly to moderately weathered, yellowish grey to whitish grey, medium to fine grained rock.			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.			R23	CR=40% RQD=NIL — 29.50
Moderately weathered, dark grey to yellowish grey, medium grained rock.			R24	CR=42% 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 : 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
Penetrometer (SPT)	20	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	20
		Disturbed (DS)	23
Vane (V)		Water Sample (WS)	0

Commencement Date : 03/09/15
Completion Date : 10/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.867 m.
Water Struck At :
Standing Water Level : 3.8 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m.				
Medium, blackish grey, silty clay. Obs. kankars.		2 2 4 (6)	DS-1	0.50
			SPT-1	1.00-1.45
1.50m.				
Stiff, blackish grey, silty clay. Obs. kankars.		4 4 9 (13)	UDS-1	2.00-2.45
			DS-2	2.75
			SPT-2	3.00-3.45
3.60m.				
Hard, yellowish brown, silty clay with sand mixture.		50 (≥100) 10.0 cm Pentn.	DS-3	3.75
			UDS-2	4.00-4.35
			DS-4	4.75
			SPT-3	5.00-5.10
5.50m.				
Very dense, whitish grey to brownish grey, silty medium to coarse grained sand. Obs. mica.		51 (≥100) 11.0 cm Pentn.	DS-5	5.75
			SPT-4	6.00-6.11
		32 50 (≥100) 10.0 cm Pentn.	DS-6	6.75
			SPT-5	7.00-7.25
		34 50 (≥100) 11.0 cm Pentn.	DS-7	7.75
			SPT-6	8.00-8.26
		50 (≥100) 12.0 cm Pentn.	DS-8	8.75
			SPT-7	9.00-9.12
		51 (≥100) 8.0 cm Pentn.	DS-9	9.80
			SPT-8	10.00-10.08
			DS-10	10.60
11.00m.				
Completely weathered, light greyish brown, fully decomposed rock fragment collected as sludge.		50 (≥100) 9.0 cm Pentn.	SPT-9	11.00-11.09 11.00
			R1	CR=NIL RQD=NIL
		56 (≥100) 7.0 cm Pentn.	DS-11	
			SPT-10	11.75-11.82 11.75
			R2	CR=NIL RQD=NIL
		61 (≥100) 10.0 cm Pentn.	DS-12	
			SPT-11	12.50-12.60 12.50
			R3	CR=NIL RQD=NIL
		52 (≥100) 7.0 cm Pentn.	DS-13	
			SPT-12	13.25-13.32 13.25
			R4	CR=NIL RQD=NIL
		58 (≥100) 9.0 cm Pentn.	DS-14	
			SPT-13	14.00-14.09 14.00
			R5	CR=NIL RQD=NIL
		54 (≥100) 9.0 cm Pentn.	DS-15	
			SPT-14	14.75-14.84 14.75
			R6	CR=NIL RQD=NIL
15.50m.				15.50

BH-11/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 : 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
Penetrometer (SPT)	20	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	20
Vane (V)		Disturbed (DS)	23
		Water Sample (WS)	0

Commencement Date : 03/09/15
Completion Date : 10/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.867 m.
Water Struck At :
Standing Water Level : 3.8 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m. Completely weathered, light greyish brown, fully decomposed rock fragment collected as sludge.		52 ≥100 6.0 cm Pentn.	*SPT-15/DS-16	15.50–15.56 CR=NIL RQD=NIL
16.25m.		57 ≥100 8.0 cm Pentn.	R7 DS-17 *SPT-16 R8	16.25–16.33 CR=08% RQD=NIL 16.25
Completley weathered, grey to brownish grey, fully decomposed rock.		51 ≥100 9.0 cm Pentn.	SPT-17 R9 DS-18	17.00–17.09 CR=NIL RQD=NIL 17.00
			R10 DS-19	CR=NIL RQD=NIL 17.75
18.58m.		51 ≥100 8.0 cm Pentn.	SPT-18 R11 DS-20	18.50–18.58 CR=NIL RQD=NIL 18.50
			R12 DS-21	CR=NIL RQD=NIL 19.25
Completely weathered, brownish grey, medium grained, fully decomposed rock, fragment collected as sludge.		52 ≥100 13.0 cm Pentn.	SPT-19 R13	20.00–20.13 CR=NIL RQD=NIL 20.00
			R14 DS-22	CR=NIL RQD=NIL 20.75
		53 ≥100 9.0 cm Pentn.	SPT-20 R15	21.50–21.59 CR=15% RQD=NIL 21.50
22.25m.				22.25
Highly weathered, brownish grey to greyish brown, highly fractured rock.		NX rotary drilling from 11.00m to 30.00m	R16	CR=28% RQD=NIL 23.00
			R17	CR=25% RQD=NIL 23.75
			R18	CR=30% RQD=12% 24.50
			R19	CR=33% RQD=11% 25.25
			R20	CR=28% RQD=NIL 26.00
			R21	CR=37% RQD=NIL 26.75
			R22	CR=35% RQD=NIL 27.50
27.50m. Highly weathered, brownish grey, coarse grained, fractured rock.			R23	CR=36% RQD=NIL 28.25
28.25m.			R24	CR=44% RQD=NIL 29.00
Moderately weathered, dark grey, rock.			R25	CR=53% 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 : 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
Penetrometer (SPT)	15	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	15
		Disturbed (DS)	27
Vane (V)		Water Sample (WS)	0

Commencement Date : 11/09/15
Completion Date : 15/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 143.093 m.
Water Struck At :
Standing Water Level : 2.1 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Stiff, deep grey to dark grey, silty clay. Obs. kankars & traces of sand mixture, calcareous nodules.		6 7 7 (14)	DS-1	0.50
			SPT-1	1.00-1.45
			DS-2	1.70
			UDS-1	2.00-2.45
3.00m			DS-3	2.75
Stiff, brownish grey, silty clay with sand mixture. Obs. kankar & calcareous nodules.		4 5 5 (10)	SPT-2	3.00-3.45
3.80m			DS-4	3.75
Hard, yellowish grey, silty clay with sand mixture.			UDS-2	4.00-4.45
			DS-5	4.75
		42 53 (>100) 13.0 cm Pentn.	SPT-3	5.00-5.28
5.50m			DS-6	5.70
Very dense, greyish brown, silty coarse grained sand. Obs. kankars.		39 51 (>100) 10.0 cm Pentn.	SPT-4	6.00-6.25
			DS-7	6.75
		41 52 (>100) 11.0 cm Pentn.	SPT-5	7.00-7.26
			DS-8	7.80
8.00m		52 (>100) 14.0 cm Pentn.	SPT-6	8.00-8.14
Highly weathered, brownish grey to greyish brown, highly fractured rock.		NX rotary drilling from 8.00m to 30.00m	R1	CR=23% RQD=NIL 8.00 / 8.75
			R2	CR=21% RQD=NIL 8.75 / 9.50
			R3	CR=23% RQD=NIL 9.50 / 10.25
10.25m			R4	CR=NIL RQD=NIL 10.25 / 11.00
			DS-9	
Completely weathered, greyish brown, medium grained, decomposed rock, fragment collected as sludge.		(>100) 52 11.0 cm Pentn.	R5	CR=NIL RQD=NIL 11.00 / 11.75
			DS-10	
			SPT-7	11.75-11.86
			R6	CR=NIL RQD=NIL 11.75 / 12.50
			DS-11	
		(>100) 51 10.0 cm Pentn.	R7	CR=NIL RQD=NIL 12.50 / 13.25
13.25m			DS-12	
			SPT-8	13.25-13.35
Completely weathered, greyish brown to brownish grey, medium grained, rock fragment collected as sludge.			R8	CR=20% RQD=NIL 13.25 / 14.00
			R9	CR=NIL RQD=NIL 14.00 / 14.75
			DS-13	
			R10	CR=NIL RQD=NIL 14.75 / 15.50
15.50m			DS-14	

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. 12

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	15	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	15
		Disturbed (DS)	27
Vane (V)		Water Sample (WS)	0

Commencement Date : 11/09/15
Completion Date : 15/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 143.093 m.
Water Struck At :
Standing Water Level : 2.1 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m.		53 ≥100 — 13.0 cm Pentn.	SPT-9	15.50-15.63
			R11	CR=NIL RQD=NIL
			DS-15	16.25
			R12	CR=NIL RQD=NIL
		≥100	DS-16	
		55	SPT-10	17.00-17.14 17.00
		14.0 cm Pentn.	R13	CR=NIL RQD=NIL
			DS-17	17.75
			R14	CR=NIL RQD=NIL
		≥100	DS-18	
Completely weathered, greyish brown to brownish grey, medium grained, rock fragment collected as sludge.		52	SPT-11	18.50-18.61 18.50
		11.0 cm Pentn.	R15	CR=NIL RQD=NIL
			DS-19	19.25
			R16	CR=NIL RQD=NIL
		≥100	DS-20	
		52	SPT-12	20.00-20.10 20.00
		10.0 cm Pentn.	R17	CR=NIL RQD=NIL
			DS-21	20.75
			R18	CR=NIL RQD=NIL
		≥100	DS-22	
		38 52	SPT-13	21.50-21.70 21.50
		5.0 cm Pentn.	R19	CR=NIL RQD=NIL
22.25m.			DS-23	22.25
			R20	CR=25% RQD=NIL
Highly weathered, deep grey, highly fractured rock.				23.00
			R21	CR=35% RQD=NIL
				23.75
			R22	CR=21% RQD=NIL
24.50m.				24.50
			R23	CR=20% RQD=NIL
Completely weathered, brownish grey, fractured rock.				25.25
			R24	CR=20% RQD=NIL
26.00m.				26.00
			R25	CR=NIL RQD=NIL
			DS-24	26.75
			R26	CR=NIL RQD=NIL
		≥100	DS-25	
Completely weathered, brownish grey, medium grained, rock fragment collected as sludge.		52	SPT-14	27.50-27.61 27.50
		11.0 cm Pentn.	R27	CR=NIL RQD=NIL
			DS-26	28.25
			R28	CR=NIL RQD=NIL
		≥100	DS-27	
29.00m.		54	SPT-15	29.00-29.13 29.00
Highly weathered, grey, coarse grained, highly fractured rock.		13.0 cm Pentn.	R29	CR=26% RQD=NIL
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 : 23/10/2015	Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. 13

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	6	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	6
		Disturbed (DS)	8
Vane (V)		Water Sample (WS)	0

Commencement Date : 06/10/15
Completion Date : 08/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 143.053 m.
Water Struck At :
Standing Water Level : 3.4 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Very stiff, deep grey, silty clay. Obs. sand mixture & calcareous nodules.		6 9 13 (22)	DS-1	0.50
			SPT-1	1.00-1.45
1.60m			DS-2	1.60
			*UDS-1	2.00-2.45
			DS-3	2.60
Medium dense, greyish yellow, clayey silty sand.		8 12 15 (27)	SPT-2	3.00-3.45
			DS-4	3.60
			*UDS-2	4.00-4.45
4.70m			DS-5	4.70
		13 25 32 (57)	SPT-3	5.00-5.45
			DS-6	5.80
		38 50 (>100) 7.0 cm Pentn.	SPT-4	6.00-6.22
Very dense, greyish yellow, silty sand.			DS-7	6.50
		55 (>100) 12.0 cm Pentn.	SPT-5	7.00-7.12
			DS-8	7.70
8.00m		52 (>100) 8.0 cm Pentn.	SPT-6	8.00-8.08
Moderately weathered, greyish yellow, fine to medium grained, highly fractured rock.		NX rotary drilling from 8.00m to 30.00m	R1	CR=52% RQD=NIL 8.00 / 8.75
			R2	CR=56% RQD=32% 8.75 / 9.50
9.50m			R3	CR=28% RQD=NIL 9.50 / 10.25
Highly to moderately weathered, greyish yellow, fine to medium grained, highly fractured rock.			R4	CR=28% RQD=NIL 10.25 / 11.00
			R5	CR=44% RQD=NIL 11.00 / 11.75
11.75m			R6	CR=56% RQD=NIL 11.75 / 12.50
Moderately weathered, deep grey, fine grained, highly fractured rock.			R7	CR=56% RQD=NIL 12.50 / 13.25
			R8	CR=60% RQD=NIL 13.25 / 14.00
14.00m			R9	CR=44% RQD=NIL 14.00 / 14.75
Highly to moderately weathered, deep grey, fine grained, highly fractured rock.			R10	CR=28% RQD=NIL 14.75 / 15.50
15.50m				

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana			CETEST
Job No : 3576	Created by : Chandrani	Created on : 23/10/2015	Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. 13

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	6	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	6
Vane (V)		Disturbed (DS)	8
		Water Sample (WS)	0

Commencement Date : 06/10/15
Completion Date : 08/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 143.053 m.
Water Struck At :
Standing Water Level : 3.4 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m. Highly to moderately weathered, deep grey, fine grained, highly fractured rock.			R11	CR=32% RQD=NIL 16.25
16.25m. Slightly weathered, deep grey, fine grained, highly fractured rock.			R12	CR=64% RQD=NIL 17.00
17.00m. Moderately weathered, greyish yellow, fine grained, highly fractured rock.			R13	CR=52% RQD=NIL 17.75
			R14	CR=44% RQD=NIL 18.50
18.50m.			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
Highly to moderately weathered, yellowish grey to deep grey, fine grained, highly fractured rock.			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
30.00m.			R30	CR=48% 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 : 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
Penetrometer (SPT)	8	Undisturbed (UDS)	1
Cone (Pc)		Penetrometer (SPT)	8
Vane (V)		Disturbed (DS)	9
		Water Sample (WS)	1

Commencement Date : 15/09/15
Completion Date : 26/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.551 m.
Water Struck At :
Standing Water Level : 3.4 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Stiff, brownish grey, silty clay with kankars & sand mixture.		5 6 7 — 13	DS-1	0.50
			SPT-1	1.00-1.45
			DS-2	1.75
			UDS-1	2.00-2.45
			DS-3	2.70
3.00m				
Dense, brownish yellow, silty sand with steel grey patches.		12 19 28 — 47	SPT-2	3.00-3.45
			WS-1	3.40
			DS-4	3.75
		13 18 30 — 48	SPT-3	4.00-4.45
4.80m				
Very dense, brownish yellow, silty sand with steel grey patches.		≥100	DS-5	4.80
		41 54 — 14.0 cm Pentn.	SPT-4	5.00-5.29
		≥100	DS-6	5.75
6.00m				
Very dense, yellowish brown, silty sand		53 50 — 10.0 cm Pentn.	SPT-5	6.00-6.25
		≥100	DS-7	6.75
		51 50 — 6.0 cm Pentn.	SPT-6	7.00-7.21
		≥100	DS-8	7.75
		61 52 — 2.0 cm Pentn.	SPT-7	8.00-8.17
		≥100	DS-9	8.80
9.00m				
Highly to moderately weathered, brownish yellow, medium to fine grained, highly fractured rock.		52 — 15.0 cm Pentn. NX rotary drilling from 9.00m to 30.00m	SPT-8	9.00-9.15
			R1	CR=36% RQD=NIL 9.00 – 9.75
			R2	CR=32% RQD=NIL 9.75 – 10.50
			R3	CR=32% RQD=NIL 10.50 – 11.25
			R4	CR=42% RQD=NIL 11.25 – 12.00
			R5	CR=36% RQD=NIL 12.00 – 12.75
12.75m				
Slightly weathered to fresh, yellowish grey, fine grained, moderately fractured rock.			R6	CR=62% RQD=29% 12.75 – 13.50
			R7	CR=72% RQD=48% 13.50 – 14.25
			R8	CR=88% RQD=18% 14.25 – 15.00
Moderately to slightly weathered, light yellow, fine grained, highly to moderately fractured rock. 15.00m – 15.50m			R9	CR=60% RQD=55%

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana			CETEST
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
Penetrometer (SPT)	8	Undisturbed (UDS)	1
Cone (Pc)		Penetrometer (SPT)	8
Vane (V)		Disturbed (DS)	9
		Water Sample (WS)	1

Commencement Date : 15/09/15
Completion Date : 26/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.551 m.
Water Struck At :
Standing Water Level : 3.4 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
				15.75
			R10 CR=43% RQD=24%	16.50
			R11 CR=48% RQD=NIL	17.25
Moderately to slightly weathered, light yellow, fine grained, highly to moderately fractured rock.			R12 CR=57% RQD=14%	18.00
			R13 CR=65% RQD=NIL	18.75
			R14 CR=76% RQD=52%	19.50
			R15 CR=51% RQD=NIL	20.25
			R16 CR=41% RQD=NIL	21.00
			R17 CR=40% RQD=NIL	21.75
			R18 CR=42% RQD=NIL	22.50
			R19 CR=44% RQD=32%	23.25
			R20 CR=58% RQD=NIL	24.00
Moderately weathered, reddish, very fine grianed, highly fractured rock.			R21 CR=52% RQD=NIL	24.75
			R22 CR=48% RQD=NIL	25.50
			R23 CR=43% RQD=NIL	26.25
			R24 CR=46% RQD=NIL	27.00
			R25 CR=41% RQD=NIL	27.75
			R26 CR=41% RQD=NIL	28.50
			R27 CR=51% RQD=20%	29.25
Moderately weathered, greyish yellow, fine grained, moderately fractured rock.			R28 CR=52% RQD=NIL	30.00

15.50m
20.25m
28.50m
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 : 30/09/2015	Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. 15

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	10	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	10
		Disturbed (DS)	10
Vane (V)		Water Sample (WS)	0

Commencement Date : 13/09/15
Completion Date : 19/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 144.49 m.
Water Struck At :
Standing Water Level : 3.2 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Very stiff, deep grey, silty clay with calcareous nodules. Obs. sand mixture.		4 8 15 — 23	DS-1	0.50
			SPT-1	1.00-1.45
			DS-2	1.70
			UDS-1	2.00-2.45
2.60m			DS-3	2.60
Dense, yellowish grey, clayey silty sand.		7 18 19 — 37	SPT-2	3.00-3.45
			DS-4	3.60
4.00m			*UDS-2	4.00-4.45
			DS-5	4.70
Very dense, yellowish grey, clayey silty sand.		9 21 38 — 59	SPT-3	5.00-5.45
			DS-6	5.70
		48 52 — >100	SPT-4	6.00-6.20
		5.0 cm Pentn.	DS-7	6.50
		52 — >100	*SPT-5	7.00-7.12
		12.0 cm Pentn.	DS-8	7.60
		56 — >100	SPT-6	8.00-8.10
8.60m		10.0 cm Pentn.	DS-9	8.60
Very dense, yellowish grey, silty sand.		54 — >100	*SPT-7	9.00-9.05
		5.0 cm Pentn.	DS-10	9.50
10.00m		52 — >100	*SPT-8	10.00-10.07
Highly weathered, yellowish brown, medium grained rock.		7.0 cm Pentn.	R1	CR=36% RQD=16%
		NX rotary drilling from 10.00m to 30.00m		10.75
			R2	CR=32% RQD=NIL
11.50m				11.50
Completely weathered, yellowish brown, medium grained rock.		Refusal	R3	CR=16% RQD=NIL
		52 — 2.0 cm Pentn.	*SPT-9	12.25-12.27
		Refusal	R4	CR=12% RQD=NIL
		56 — 4.0 cm Pentn.	*SPT-10	13.00-13.04
			R5	CR=20% RQD=NIL
13.75m				13.75
Highly to moderately weathered, yellowish grey, fine grained rock.			R6	CR=40% RQD=NIL
				14.50
			R7	CR=36% RQD=NIL
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
Penetrometer (SPT)	10	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	10
		Disturbed (DS)	10
Vane (V)		Water Sample (WS)	0

Commencement Date : 13/09/15
Completion Date : 19/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 144.49 m.
Water Struck At :
Standing Water Level : 3.2 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m. Highly to moderately weathered, yellowish grey, fine grained rock.			R8	CR=32% RQD=NIL — 16.00
			R9	CR=48% RQD=NIL — 16.75
16.75m.			R10	CR=32% RQD=NIL — 17.50
			R11	CR=28% RQD=NIL — 18.25
Highly to moderately weathered, yellowish grey, medium grained, fractured rock.			R12	CR=27% RQD=NIL — 19.00
			R13	CR=48% RQD=NIL — 19.75
			R14	CR=36% RQD=12% — 20.50
			R15	CR=44% RQD=24% — 21.25
21.25m.			R16	CR=40% RQD=28% — 22.00
			R17	CR=60% RQD=NIL — 22.75
Moderately weathered, deep grey, decomposed & disintegrated rock.			R18	CR=52% RQD=NIL — 23.25
			R19	CR=51% RQD=NIL — 24.00
			R20	CR=48% RQD=NIL — 24.75
24.75m.			R21	CR=40% RQD=NIL — 25.50
			R22	CR=44% RQD=NIL — 26.25
			R23	CR=42% RQD=NIL — 27.00
Moderately weathered, deep grey to brownish grey, completely fractured rock.			R24	CR=44% RQD=NIL — 27.75
			R25	CR=40% RQD=NIL — 28.50
			R26	CR=42% RQD=NIL — 29.25
			R27	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 : 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
Penetrometer (SPT)	10	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	10
		Disturbed (DS)	11
Vane (V)		Water Sample (WS)	1

Commencement Date : 19/09/15
Completion Date : 23/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 145.194 m.
Water Struck At :
Standing Water Level : 3.3 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Very stiff, deep grey, silty clay with calcareous nodules. Obs. sand mixture & kankars.		3 10 14 (24)	DS-1	0.50
			SPT-1	1.00-1.45
			DS-2	1.60
			UDS-1	2.00-2.45
2.60m			DS-3	2.60
			WS-1	3.30
Dense, yellowish grey, clayey silty sand.		15 20 15 (35)	SPT-2	3.00-3.45
			DS-4	3.70
			*UDS-2	4.00-4.45
			DS-5	4.60
		10 16 21 (37)	SPT-3	5.00-5.45
			DS-6	5.60
		17 21 27 (48)	SPT-4	6.00-6.45
6.70m			DS-7	6.70
		19 26 32 (58)	SPT-5	7.00-7.45
			DS-8	7.70
		21 31 42 (73)	SPT-6	8.00-8.45
			DS-9	8.60
Very dense, yellowish grey, clayey silty sand.		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
11.00m		56 (>100)	*SPT-9	11.00-11.07
Completely weathered, yellowish grey, medium grained, fractured rock.		7.0 cm Pentn.	R1	CR=NIL RQD=NIL 11.00
11.75m		56 (>100)	DS-12 SPT-10	11.75-11.85
Highly weathered, yellowish grey, medium grained, fractured rock.		10.0 cm Pentn.	R2	CR=32% RQD=NIL 11.75
12.50m				12.50
Moderately weathered, deep grey, decomposed disintegrated rock.		NX rotary drilling from 11.00m to 30.00m	R3	CR=56% RQD=NIL 13.25
13.25m			R4	CR=21% RQD=NIL 14.00
Highly weathered, deep grey, decomposed disintegrated rock.			R5	CR=33% RQD=NIL 14.75
			R6	CR=32% RQD=NIL 15.50
15.50m				

BH-16/Sheet-1

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana			CETEST
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BORE LOG DATA SHEET — BORE HOLE NO. 16

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	10	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	10
		Disturbed (DS)	11
Vane (V)		Water Sample (WS)	1

Commencement Date : 19/09/15
Completion Date : 23/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 145.194 m.
Water Struck At :
Standing Water Level : 3.3 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m. Highly weathered, deep grey, decomposed disintegrated rock.			R7	CR=40% RQD=NIL
16.25m. Highly weathered, yellowish grey, medium to coarse grained rock.			R8	CR=28% RQD=NIL
			R9	CR=27% RQD=NIL
17.75m. Moderately weathered, yellowish grey, medium to coarse grained rock.			R10	CR=60% RQD=12%
			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
Moderately to slightly weathered, deep grey to light grey brownish grey, completely fractured decomposed rock.			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
30.00m.			R26	CR=64% RQD=NIL

16.25 17.00 17.75 18.50 19.25 20.00 20.75 21.50 22.25 23.00 23.75 24.50 25.25 26.00 26.75 27.50 28.25 29.00 29.75 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 : 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
Penetrometer (SPT)	9	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	9
		Disturbed (DS)	11
Vane (V)		Water Sample (WS)	0

Commencement Date : 03/10/15
Completion Date : 06/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 144.767 m.
Water Struck At :
Standing Water Level : 3.8 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Very stiff, deep grey, silty clay. Obs. sand mixture. & calcareous nodules.		6 8 11 — 19	DS-1	0.50
			SPT-1	1.00-1.45
			DS-2	1.60
			UDS-1	2.00-2.45
2.60m			DS-3	2.60
Hard, deep grey, silty clay. Obs. sand mixture & calcareous nodules.		9 17 22 — 39	SPT-2	3.00-3.45
			DS-4	3.60
			UDS-2	4.00-4.45
5.00m			DS-5	4.70
Hard, greyish yellow, silty clay with sand mixture.		10 17 30 — 47	SPT-3	5.00-5.45
			DS-6	5.60
		13 23 33 — 56	SPT-4	6.00-6.45
			DS-7	6.60
		12 24 30 — 54	SPT-5	7.00-7.45
			DS-8	7.60
		17 31 42 — 73	SPT-6	8.00-8.45
			DS-9	8.60
		21 38 52 — >100	SPT-7	9.00-9.35
		5.0 cm Pentn.		
10.00m		33 56 — >100	SPT-8	10.00-10.25
Very dense, yellowish grey, clayey silty sand.		10.0 cm Pentn.	DS-10	10.50
11.00m		58 — >100	SPT-9	11.00-11.12
		12.0 cm Pentn.	R1	CR=44% RQD=NIL 11.00-11.75
			R2	CR=50% RQD=NIL 11.75-12.50
		NX rotary drilling from 11.00m to 30.00m	R3	CR=26% RQD=NIL 12.50-13.25
Highly to moderately weathered, greyish yellow, fine grained, highly fractured rock.			R4	CR=37% RQD=NIL 13.25-14.00
			R5	CR=36% RQD=NIL 14.00-14.75
			R6	CR=46% RQD=NIL 14.75-15.50
15.50m				

BH-17/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. 17

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	9	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	9
Vane (V)		Disturbed (DS)	11
		Water Sample (WS)	0

Commencement Date : 03/10/15
Completion Date : 06/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 144.767 m.
Water Struck At :
Standing Water Level : 3.8 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES 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			R12	CR=54% RQD=NIL 20.00
Moderately weathered, greyish yellow, fine grianed, highly fractured rock.			R13	CR=53% RQD=NIL 20.75
20.75m			R14	CR=45% RQD=14% 21.50
Highly to moderately weathered, deep grey to greyish yellow, medium to fine grained, fractured rock.			R15	CR=44% RQD=NIL 22.25
			R16	CR=36% RQD=NIL 23.00
			R17	CR=61% RQD=NIL 23.75
			R18	CR=48% RQD=NIL 24.50
24.50m Moderately weathered, greyish yellow, fine to medium grained, fractured rock.			R19	CR=44% RQD=13% 25.25
25.25m			R20	CR=42% RQD=NIL 26.00
Moderately weathered, grey, fine grained, highly fractured rock.			R21	CR=41% RQD=NIL 26.75
26.75m			R22	CR=53% RQD=NIL 27.50
Moderately to slightly weathered, grey, fine grained, highly fractured rock.			R23	CR=72% RQD=NIL 28.25
			R24	CR=65% RQD=NIL 29.00
29.00m			R25	CR=44% RQD=16% 29.75
Moderately weathered, blackish grey, fine grained, highly fractured rock.			R26	CR=43% RQD=NIL 30.00
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
Penetrometer (SPT)	8	Undisturbed (UDS)	1
Cone (Pc)		Penetrometer (SPT)	8
Vane (V)		Disturbed (DS)	9
		Water Sample (WS)	0

Commencement Date : 28/09/15
Completion Date : 04/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 141.638 m.
Water Struck At :
Standing Water Level : 3.20 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Stiff, brownish grey, silty clay with kankars & sand mixture.		3 5 7 (12)	DS-1	0.50
			SPT-1	1.00-1.45
			DS-2	1.70
			UDS-1	2.00-2.45
			DS-3	2.70
3.00m				
Medium dense, clayey silty sand with steel grey patches.		4 8 9 (17)	SPT-2	3.00-3.45
3.70m			DS-4	3.70
Very dense, clayey silty sand with steel grey patches.		12 30 56 (>100) 5.0 cm Pentn.	SPT-3	4.00-4.35
			DS-5	4.75
		37 51 (>100) 10.0 cm Pentn.	SPT-4	5.00-5.25
			DS-6	5.60
		41 52 (>100) 5.0 cm Pentn.	SPT-5	6.00-6.20
			DS-7	6.60
		51 56 (>100) 13.0 cm Pentn.	SPT-6	7.00-7.28
			DS-8	7.50
8.00m				
Hard, greyish yellow, silty clay with sand mixture.		54 (>100) 12.0 cm Pentn.	SPT-7	8.00-8.12
			DS-9	8.40
9.00m				
Moderately weathered, yellowish grey, fine grained, completely fractured & completely decomposed & disintegrated rock.		52 (>100) 8.0 cm Pentn.	SPT-8	9.00-9.08
		NX rotary drilling from 9.00m to 30.00m	R1	CR=40% RQD=NIL 9.00
			R2	CR=47% RQD=NIL 9.75
			R3	CR=56% RQD=NIL 10.50
			R4	CR=50% RQD=NIL 11.25
			R5	CR=42% RQD=NIL 12.00
			R6	CR=45% RQD=NIL 12.75
			R7	CR=54% RQD=NIL 13.50
			R8	CR=48% RQD=NIL 14.25
			R9	CR=56% RQD=NIL 15.00
15.50m				

BH-18/Sheet-1

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana			CETEST
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BORE LOG DATA SHEET

BORE HOLE NO. 18

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	8	Undisturbed (UDS)	1
Cone (Pc)		Penetrometer (SPT)	8
Vane (V)		Disturbed (DS)	9
		Water Sample (WS)	0

Commencement Date : 28/09/15
Completion Date : 04/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 141.638 m.
Water Struck At :
Standing Water Level : 3.20 m.

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

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana			CETEST
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BORE LOG DATA SHEET

BORE HOLE NO. 19

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	11	Undisturbed (UDS)	3
Cone (Pc)		Penetrometer (SPT)	11
		Disturbed (DS)	9
Vane (V)		Water Sample (WS)	1

Commencement Date : 07/09/15
Completion Date : 13/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 141.961 m.
Water Struck At :
Standing Water Level : 2.3 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Very stiff, deep grey, silty clay. Obs. calcareous nodules.		6 9 9 (18)	DS-1	0.50
			SPT-1	1.00-1.45
			DS-2	1.80
			UDS-1	2.00-2.45
			WS-1	2.30
3.00m				
Dense, yellowish grey, clayey silty sand.		9 17 19 (36)	SPT-2	3.00-3.45
			*UDS-2	4.00-4.45
			DS-3	4.80
5.00m				
Stiff, light yellowish grey, silty clay with sand mixture.		4 6 8 (14)	SPT-3	5.00-5.45
5.70m			DS-4	5.70
			UDS-3	6.00-6.45
		≥100	DS-5	6.80
		52	SPT-4	7.00-7.12
		12.0 cm Pentn.	DS-6	7.50
Hard, light yellowish grey, silty clay with sand mixture.		≥100	SPT-5	8.00-8.25
		32 58	DS-7	8.70
		10.0 cm Pentn.	SPT-6	9.00-9.18
		≥100	DS-8	9.60
		28 56	SPT-7	10.00-10.26
		3.0 cm Pentn.	DS-9	10.60
		≥100	*SPT-8	11.00-11.05 11.00
		37 52	R1	CR=20% RQD=NIL
		11.0 cm Pentn.	*SPT-9	11.75-11.78 11.75
11.00m		Refusal	R2	CR=56% RQD=10%
Completely weathered, light grey, fine grained rock.		56		12.50
		5.0 cm Pentn.	R3	CR=23% RQD=NIL
11.75m		Refusal	*SPT-10	13.25-13.30 13.25
Moderately weathered, light grey, medium to fine grianed, fractued rock.		52	R4	CR=22% RQD=NIL
		3.0 cm Pentn.	SPT-11	14.00-14.06 14.00
12.50m		Refusal	R5	CR=52% RQD=NIL
Highly weathered, light brownish grey, fine grained rock.		56		14.75
		5.0 cm Pentn.	R6	CR=55% RQD=NIL
		Refusal		15.50
14.00m		55		
Moderately weathered, deep grey, completely decomposed disintegrated rock.		6.0 cm Pentn.		
15.50m				

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana			CETEST
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BORE LOG DATA SHEET

BORE HOLE NO. 19

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	11	Undisturbed (UDS)	3
Cone (Pc)		Penetrometer (SPT)	11
Vane (V)		Disturbed (DS)	9
		Water Sample (WS)	1

Commencement Date : 07/09/15
Completion Date : 13/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 141.961 m.
Water Struck At :
Standing Water Level : 2.3 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m.				
Moderately weathered, deep grey, completely decomposed disintegrated rock.			R7	CR=48% RQD=NIL 16.25
			R8	CR=40% RQD=NIL 17.00
17.00m.				
			R9	CR=52% RQD=NIL 17.75
			R10	CR=48% RQD=13% 18.50
			R11	CR=40% RQD=NIL 19.25
Highly to moderately weathered, yellowish grey, fine grained, fractured rock.			R12	CR=39% RQD=NIL 20.00
			R13	CR=56% RQD=36% 20.75
			R14	CR=52% RQD=20% 21.50
			R15	CR=53% RQD=NIL 22.25
22.50m.				
			R16	CR=48% RQD=NIL 23.00
			R17	CR=52% RQD=NIL 23.75
			R18	CR=44% RQD=NIL 24.50
Highly to moderately weathered, deep grey, decomposed & disintegrated rock.			R19	CR=32% RQD=NIL 25.25
			R20	CR=48% RQD=NIL 26.00
			R21	CR=56% RQD=NIL 26.75
			R22	CR=60% RQD=NIL 27.25
27.25m.				
			R23	CR=48% RQD=NIL 28.00
			R24	CR=56% RQD=NIL 28.75
Moderately to slightly weathered, yellowish grey to deep grey, fine grained, fractured rock.			R25	CR=48% RQD=12% 29.50
			R26	CR=64% 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
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BORE LOG DATA SHEET

BORE HOLE NO. 20

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	9	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	9
Vane (V)		Disturbed (DS)	10
		Water Sample (WS)	0

Commencement Date : 23/09/15
Completion Date : 28/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 141.451 m.
Water Struck At :
Standing Water Level : 3.3 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Stiff to very stiff, deep grey, silty clay with calcareous nodules. Obs. sand mixture.		5 7 8 (15)	DS-1	0.50
			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
Hard, yellowish grey, silty clay.			*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
			DS-6	6.70
		21 34 45 (79)	SPT-5	7.00-7.45
			DS-7	7.70
8.00m		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
		5.0 cm Pentn. (>100)	DS-10	10.80
11.00m		54	SPT-9	11.00-11.10
Moderately weathered, yellowish grey, fine grained, fractured, decomposed & disintegrated rock.		10.0 cm Pentn.	R1	CR=56% RQD=24% 11.00-11.75
11.75m			R2	CR=44% RQD=24% 11.75-12.50
Moderately weathered, yellowish grey, fine grained, fractured, decomposed & disintegrated rock.		NX rotary drilling from 11.00m to 30.00m	R3	CR=43% RQD=NIL 12.50-13.25
13.25m			R4	CR=52% RQD=38% 13.25-14.00
Moderately weathered, yellowish grey, medium to coarse grained, fractured rock.			R5	CR=44% RQD=NIL 14.00-14.75
14.00m			R6	CR=43% RQD=20% 14.75-15.50
Moderately weathered, deep grey, medium graind, fractured decomposed rock.				
15.50m				

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BORE LOG DATA SHEET — BORE HOLE NO. 20

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	9	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	9
Vane (V)		Disturbed (DS)	10
		Water Sample (WS)	0

Commencement Date : 23/09/15
Completion Date : 28/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 141.451 m.
Water Struck At :
Standing Water Level : 3.3 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m. Moderately weathered, deep grey, medium graind, fractured decomposed rock.			R7	CR=40% RQD=NIL
16.25m. Moderately to slightly weathered, deep grey, medium graind, fractured decomposed rock.			R8	CR=52% RQD=NIL
			R9	CR=68% RQD=54%
			R10	CR=76% RQD=34%
18.50m. Moderately weathered, light grey, fine grained, decomposed & disintegrated rock.			R11	CR=48% RQD=36%
			R12	CR=42% RQD=NIL
20.00m. Slightly weathered, light grey, fine grained, decomposed & disintegrated rock.			R13	CR=72% RQD=NIL
20.75m. Slightly weathered, yellowish grey, medium to coarse grained, fractured rock.			R14	CR=80% RQD=32%
22.00m. Moderately to slightly weathered / fresh, deep grey, fine grained, fractured & disintegrated rock.			R15	CR=73% RQD=16%
			R16	CR=68% RQD=NIL
			R17	CR=56% RQD=NIL
			R18	CR=78% RQD=NIL
			R19	CR=74% RQD=NIL
			R20	CR=78% RQD=NIL
			R21	CR=81% RQD=NIL
			R22	CR=75% RQD=NIL
			R23	CR=68% RQD=NIL
			R24	CR=76% RQD=NIL
29.00m. Slightly weathered, brownish grey, fine grained, fractured rock.			R25	CR=80% RQD=NIL
30.00m.			R26	CR=74% RQD=NIL

16.25 17.00 17.75 18.50 19.25 20.00 20.75 21.50 22.25 23.00 23.75 24.50 25.25 26.00 26.75 27.50 28.25 29.00 29.75 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
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BORE LOG DATA SHEET — BORE HOLE NO. 21

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	6	Undisturbed (UDS)	1
Cone (Pc)		Penetrometer (SPT)	6
Vane (V)		Disturbed (DS)	7
		Water Sample (WS)	0

Commencement Date : 28/09/15
Completion Date : 02/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 141.748 m.
Water Struck At :
Standing Water Level : 3.2 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Stiff, deep grey, silty clay. Obs. sand mixture & calcareous nodules.		3 4 5 9	DS-1	0.50
			SPT-1	1.00-1.45
			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 5.0 cm Pentn. ≥100	SPT-2	3.00-3.35
			DS-4	3.70
		39 56 10.0 cm Pentn. ≥100	SPT-3	4.00-4.25
			DS-5	4.60
		32 50 5.0 cm Pentn. ≥100	SPT-4	5.00-5.20
			DS-6	5.60
6.00m				
Hard, light brown, silty clay. Obs. sand mixture.		42 54 10.0 cm Pentn. ≥100	SPT-5	6.00-6.25
			DS-7	6.60
7.00m				
Moderately weathered, yellowish grey, fine grained, highly fractured rock.		54 10.0 cm Pentn.	SPT-6	7.00-7.10
			R1	CR=48% RQD=NIL 7.00 - 7.75
			R2	CR=52% RQD=NIL 7.75 - 8.50
			R3	CR=56% RQD=NIL 8.50 - 9.25
			R4	CR=44% RQD=NIL 9.25 - 10.00
			R5	CR=45% RQD=NIL 10.00 - 10.75
			R6	CR=48% RQD=NIL 10.75 - 11.50
			R7	CR=40% RQD=NIL 11.50 - 12.25
			R8	CR=44% RQD=NIL 12.25 - 13.00
			R9	CR=42% RQD=NIL 13.00 - 13.75
			R10	CR=52% RQD=NIL 13.75 - 14.50
			R11	CR=48% RQD=NIL 14.50 - 15.25
Highly to moderately weathered, greyish yellow, fine grained, highly fractured rock. 15.25m 15.50m				

BH-21/Sheet-1

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana			CETEST
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BORE LOG DATA SHEET — BORE HOLE NO. 21

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	6	Undisturbed (UDS)	1
Cone (Pc)		Penetrometer (SPT)	6
Vane (V)		Disturbed (DS)	7
		Water Sample (WS)	0

Commencement Date : 28/09/15
Completion Date : 02/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 141.748 m.
Water Struck At :
Standing Water Level : 3.2 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES 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. Moderately weathered, greyish yellow, medium to fine grained, highly fractured rock. 28.00m.			R28	CR=49% RQD=NIL 28.00
			R29	CR=62% RQD=NIL 28.75
Moderately to slightly weathered, deep grey, fine grained, fractured disintegrated rock.			R30	CR=54% RQD=NIL 29.50
			R31	CR=58% RQD=NIL 30.00
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 : 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
Penetrometer (SPT)	4	Undisturbed (UDS)	1
Cone (Pc)		Penetrometer (SPT)	4
		Disturbed (DS)	4
Vane (V)		Water Sample (WS)	0

Commencement Date : 09/10/15
Completion Date : 14/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 140.76 m.
Water Struck At :
Standing Water Level : 3.8 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES 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
			UDS−1	2.00−2.45
2.60m Hard, light grey to brownish grey, silty clay. Obs. sand mixture.		10 15 22 (37)	DS−3	2.60
			SPT−2	3.00−3.45
			DS−4	3.60
		31 100 (≥100) 10.0 cm Pentn.	SPT−3	4.00−4.25
4.60m Moderately weathered, greyish brown, fine grained, highly fractured rock.		100 (≥100) 10.0 cm Pentn. NX rotary drilling from 4.60m to 25.00m	SPT−4	4.60−4.70
			R1	CR=48% RQD=NIL 5.35
			R2	CR=56% RQD=NIL 6.10
			R3	CR=44% RQD=NIL 6.85
			R4	CR=46% RQD=NIL 7.60
7.60m Highly to moderately weathered, greyish yellow, fine grained, highly fractured rock.			R5	CR=48% RQD=NIL 8.35
			R6	CR=52% RQD=NIL 9.10
			R7	CR=36% RQD=NIL 9.85
			R8	CR=48% RQD=NIL 10.60
			R9	CR=32% RQD=NIL 11.35
			R10	CR=28% RQD=NIL 12.10
			R11	CR=40% RQD=NIL 12.85
13.00m				

BH−22/Sheet−1

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana			CETEST
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BORE LOG DATA SHEET

BORE HOLE NO. 22

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	4	Undisturbed (UDS)	1
Cone (Pc)		Penetrometer (SPT)	4
Vane (V)		Disturbed (DS)	4
		Water Sample (WS)	0

Commencement Date : 09/10/15
Completion Date : 14/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 140.76 m.
Water Struck At :
Standing Water Level : 3.8 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
13.00m. Highly to moderately weathered, greyish yellow, fine grained, highly fractured rock.			R12	CR=29% RQD=NIL 13.60
13.60m. Highly to moderately weathered, greyish yellow, medium grained, fractured rock.			R13	CR=48% RQD=NIL 14.35
			R14	CR=36% RQD=NIL 15.10
15.10m.			R15	CR=44% RQD=NIL 15.85
			R16	CR=40% RQD=NIL 16.60
			R17	CR=32% RQD=NIL 17.35
			R18	CR=36% RQD=NIL 18.10
			R19	CR=40% RQD=NIL 18.85
			R20	CR=28% RQD=NIL 19.60
Highly to moderately weathered, greyish black, fine grained, highly fractured rock.			R21	CR=40% RQD=NIL 20.35
			R22	CR=40% RQD=NIL 21.10
			R23	CR=32% RQD=NIL 21.85
			R24	CR=42% RQD=NIL 22.60
			R25	CR=30% RQD=NIL 23.35
			R26	CR=40% RQD=NIL 24.10
			R27	CR=46% RQD=NIL 25.00
25.00m.				

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BORE LOG DATA SHEET — BORE HOLE NO. 23

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	9	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	9
		Disturbed (DS)	9
Vane (V)		Water Sample (WS)	0

Commencement Date : 17/10/15
Completion Date : 19/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 141.709 m.
Water Struck At :
Standing Water Level : 1.5 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES 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 — 10.0 cm Pentn. — ≥100	SPT-3	4.50-4.75
			DS-5	5.00
		26 45 50 — 7.0 cm Pentn. — ≥100	SPT-4	5.50-5.87
6.20m			DS-6	6.20
		22 33 44 — 77	SPT-5	6.50-6.95
			DS-7	7.30
Hard, greyish brown, silty clay with sand mixture.		35 100 — 6.0 cm Pentn. — ≥100	SPT-6	7.50-7.71
			DS-8	8.00
		36 100 — 8.0 cm Pentn. — ≥100	SPT-7	8.50-8.73
			DS-9	9.10
		38 100 — 10.0 cm Pentn. — ≥100	SPT-8	9.50-9.75
10.00m		100 — 8.0 cm Pentn. — ≥100	SPT-9	10.00-10.08
			R1	CR=35% RQD=NIL 10.00 - 10.75
Highly to moderately weathered, brownish grey, medium grained, fractured rock.		NX rotary drilling from 10.00m to 25.00m	R2	CR=37% RQD=NIL 10.75 - 11.50
			R3	CR=50% RQD=NIL 11.50 - 12.25
			R4	CR=51% RQD=NIL 12.25 - 13.00
13.00m				

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana			CETEST
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BORE LOG DATA SHEET

BORE HOLE NO. 23

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	9	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	9
		Disturbed (DS)	9
Vane (V)		Water Sample (WS)	0

Commencement Date : 17/10/15
Completion Date : 19/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 141.709 m.
Water Struck At :
Standing Water Level : 1.5 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
13.00m.				
			R5	CR=40% RQD=NIL 13.75
			R6	CR=48% RQD=NIL 14.50
			R7	CR=52% RQD=NIL 15.25
			R8	CR=53% RQD=NIL 16.00
			R9	CR=40% RQD=NIL 16.75
			R10	CR=52% RQD=NIL 17.50
			R11	CR=54% RQD=NIL 18.25
			R12	CR=43% RQD=NIL 19.00
Highly to moderately weathered, brownish grey, medium grained, fractured rock.			R13	CR=42% RQD=NIL 19.75
			R14	CR=43% RQD=NIL 20.50
			R15	CR=25% RQD=NIL 21.25
			R16	CR=32% RQD=NIL 22.00
			R17	CR=31% RQD=NIL 22.75
			R18	CR=32% RQD=NIL 23.50
			R19	CR=34% RQD=NIL 24.25
			R20	CR=41% 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
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BORE LOG DATA SHEET

BORE HOLE NO. 24

Co-ordinates E=(-)37.000 N=(-)136.000

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	9	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	9
Vane (V)		Disturbed (DS)	11
		Water Sample (WS)	0

Commencement Date : 15/10/15
Completion Date : 19/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 141.609 m.
Water Struck At :
Standing Water Level : 1.1 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Very stiff, silty clay with sand mixture.		8 11 13 — 24	DS-1	0.50
			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.		12 18 23 — 41	DS-3	2.70
			SPT-2	3.00-3.45
			DS-4	3.75
4.20m			UDS-2	4.00-4.45
		17 23 34 — 57	DS-5	4.70
			SPT-3	5.00-5.45
			DS-6	5.70
		19 27 41 — 68	SPT-4	6.00-6.45
			DS-7	6.60
		21 44 52 — 96	SPT-5	7.00-7.45
Hard, light grey, silty clay. Obs. sand mixture.			DS-8	7.60
		24 41 57 — 98	SPT-6	8.00-8.45
			DS-9	8.60
		31 47 100 — >100 (5.0 cm Penetn.)	SPT-7	9.00-9.35
			DS-10	9.70
		48 100 — >100 (10.0 cm Penetn.)	SPT-8	10.00-10.25
			DS-11	10.60
11.00m		102 — >100 (8.0 cm Penetn.)	SPT-9	11.00-11.08
			R1	11.00 CR=40% RQD=NIL
Highly to moderately weathered, brownish grey to blackish grey, medium grained, fractured rock.		NX rotary drilling from 11.00m to 25.00m	R2	11.75 CR=47% RQD=27%
			R3	12.50 CR=40% RQD=NIL
13.00m				

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana			CETEST
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BORE LOG DATA SHEET — BORE HOLE NO. 24

Co-ordinates E=(-)37.000 N=(-)136.000

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	9	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	9
Vane (V)		Disturbed (DS)	11
		Water Sample (WS)	0

Commencement Date : 15/10/15
Completion Date : 19/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 141.609 m.
Water Struck At :
Standing Water Level : 1.1 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
13.00m.				13.25
			R4	CR=40% RQD=NIL
				14.00
			R5	CR=48% RQD=NIL
				14.75
			R6	CR=41% RQD=NIL
				15.50
			R7	CR=42% RQD=NIL
				16.25
			R8	CR=40% RQD=NIL
				17.00
			R9	CR=37% RQD=NIL
				17.75
			R10	CR=40% RQD=NIL
Highly to moderately weathered, brownish grey to blackish grey, medium grained, fractured rock.				18.50
			R11	CR=42% RQD=NIL
				19.25
			R12	CR=45% RQD=28%
				20.00
			R13	CR=43% RQD=NIL
				20.75
			R14	CR=27% RQD=13%
				21.50
			R15	CR=36% RQD=NIL
				22.25
			R16	CR=34% RQD=NIL
				23.00
			R17	CR=37% RQD=NIL
				23.75
			R18	CR=50% RQD=NIL
24.50m.				24.50
Moderately weathered, brownish grey to blackish grey, medium grained, fractured rock.			R19	CR=54% RQD=NIL
25.00m.				25.00

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BORE LOG DATA SHEET — BORE HOLE NO. 25

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	6	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	6
		Disturbed (DS)	5
Vane (V)		Water Sample (WS)	0

Commencement Date : 13/10/15
Completion Date : 15/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 140.727 m.
Water Struck At :
Standing Water Level : 2.4 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Very stiff, deep grey, silty clay with kankars mixed. Obs. low % of sand.		5 7 9 (16)	DS-1	0.50
			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) 5.0 cm Pentn.	SPT-3	4.50-4.70
			DS-5	5.00
5.25m		100 (≥100) 9.0 cm Pentn.	SPT-4	5.25-5.34
Highly weathered, yellowish brown, medium grained, highly fractured rock		NX rotary drilling from 5.25m to 25.00m	R1	CR=40% RQD=NIL 5.25 - 6.00
			R2	CR=37% RQD=NIL 6.00 - 6.75
6.75m			R3	CR=36% RQD=NIL 6.75 - 7.50
Highly weathered, deep grey, medium grained, highly fractured rock.			R4	CR=34% RQD=NIL 7.50 - 8.25
			R5	CR=37% RQD=NIL 8.25 - 9.00
			R6	CR=32% RQD=NIL 9.00 - 9.75
9.75m			R7	CR=35% RQD=NIL 9.75 - 10.50
Highly to moderately weathered, light yellowish grey, medium to fine grained, highly fractured rock.			R8	CR=40% RQD=NIL 10.50 - 11.25
			R9	CR=38% RQD=NIL 11.25 - 12.00
			R10	CR=48% RQD=NIL 12.00 - 12.75
13.00m				

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BORE LOG DATA SHEET — BORE HOLE NO. 25

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	6	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	6
		Disturbed (DS)	5
Vane (V)		Water Sample (WS)	0

Commencement Date : 13/10/15
Completion Date : 15/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 140.727 m.
Water Struck At :
Standing Water Level : 2.4 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
13.00m.			R11	CR=46% RQD=NIL 13.50
			R12	CR=56% RQD=NIL 14.25
			R13	CR=60% RQD=NIL 15.00
			R14	CR=47% RQD=19% 15.75
Highly to moderately weathered, light yellowish grey, medium to fine grained, highly fractured rock.			R15	CR=60% RQD=21% 16.50
			R16	CR=38% RQD=NIL 17.25
			R17	CR=56% RQD=NIL 18.00
			R18	CR=48% RQD=NIL 18.75
			R19	CR=45% RQD=NIL 19.50
19.50m.			R20	CR=NIL RQD=NIL
Completely weathered, medium grained, decomposed & disintegrated rock particles collected as sludge.		>100 51 7.0 cm Pentn. Refusal	SPT-5	20.25-20.32 20.25
			R21	CR=NIL RQD=NIL
21.00m.		53 3.0 cm Pentn.	*SPT-6	21.00-21.03 21.00
Moderately weathered, light yellowish grey, medium grained, highly fractured rock.			R22	CR=45% RQD=NIL 21.75
21.75m.			R23	CR=53% RQD=NIL 22.50
			R24	CR=56% RQD=NIL 23.25
Moderately weathered, light yellowish grey, medium grained, highly fractured rock.			R25	CR=52% RQD=NIL 24.00
			R26	CR=51% 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
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BORE LOG DATA SHEET

BORE HOLE NO. 26

Co-ordinates E=(−)77.000 N=(−)176.000

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	9	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	10
		Disturbed (DS)	10
Vane (V)		Water Sample (WS)	0

Commencement Date : 16/10/15
Completion Date : 19/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 140.863 m.
Water Struck At :
Standing Water Level : 1.55 m.

DESCRIPTION	SYMBOL	N−VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Very stiff, brownish grey, silty clay with sand mixture. Obs. rusty spots.		4 6 11 (17)	DS−1	0.50
			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
3.50m			DS−4	3.75
Dense, yellowish brown, silty sand.			*UDS−2	4.00−4.45
		9 18 23 (41)	SPT−3	4.50−4.95
5.25m			DS−5	5.25
Very dense, yellowish brown, silty sand.		12 32 100/6.0 cm Penth. (>100)	SPT−4	5.50−5.86
			DS−6	6.20
6.80m		38 100/6.0 cm Penth. (>100)	SPT−5	6.50−6.71
Hard, greyish brown, silty clay. Obs. decomposed rock.			DS−7	7.00
7.50m		100/8.0 cm Penth. (>100)	SPT−6	7.50−7.58
			R1	CR=38% RQD=NIL (7.50 – 8.25)
		NX rotary drilling from 7.50m to 25.00m	R2	CR=29% RQD=NIL (8.25 – 9.00)
			R3	CR=30% RQD=NIL (9.00 – 9.75)
Highly to moderately weathered, brownish grey to greyish brown, fine to medium grained, completely fractured rock.			R4	CR=40% RQD=NIL (9.75 – 10.50)
			R5	CR=48% RQD=NIL (10.50 – 11.25)
			R6	CR=46% RQD=NIL (11.25 – 12.00)
			R7	CR=44% RQD=NIL (12.00 – 12.75)
13.00m				

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BORE LOG DATA SHEET — BORE HOLE NO. 26

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	9	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	10
		Disturbed (DS)	10
Vane (V)		Water Sample (WS)	0

Commencement Date : 16/10/15
Completion Date : 19/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 140.863 m.
Water Struck At :
Standing Water Level : 1.55 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
13.00m.			R8	CR=45% RQD=NIL
Highly to moderately weathered, brownish grey to greyish brown, fine to medium grained, fractured rock.				13.50
			R9	CR=42% RQD=NIL
14.25m.				14.25
			R10	CR=40% RQD=NIL
				15.00
Highly weathered, brownish grey, medium to coarse grained, moderately fractured rock.			R11	CR=36% RQD=32%
				15.75
			R12	CR=40% RQD=20%
				16.50
			R13	CR=33% RQD=08%
17.25m.				17.25
		Refusal	R14	CR=NIL RQD=NIL
		50	DS-8 *SPT-7	18.00-18.04
		4.0 cm Pentn.		18.00
		Refusal	R15	CR=NIL RQD=NIL
		50	*SPT-8	18.75-18.78
		3.0 cm Pentn.		18.75
			R16	CR=38% RQD=38%
Completely to highly weathered, brownish grey, medium to coarse grained, moderately fractured rock.				19.50
			R17	CR=29% RQD=NIL
				20.25
			R18	CR=30% RQD=NIL
				21.00
		Refusal	R19	CR=NIL RQD=NIL
		50	DS-9 *SPT-9	21.75-21.79
		4.0 cm Pentn.		21.75
		Refusal	R20	CR=NIL RQD=NIL
22.50m.		50	DS-10 *SPT-10	22.50-22.54
		4.0 cm Pentn.		22.50
			R21	CR=38% RQD=NIL
Highly weathered, brownish grey, fine to medium grained, fractured rock.				23.25
			R22	CR=33% RQD=NIL
24.00m.				24.00
Moderately weathered, brownish grey, fine to medium grained, fractured rock.			R23	CR=60% RQD=NIL
25.00m.				25.00

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

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BORE LOG DATA SHEET — BORE HOLE NO. 27

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	5	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	5
Vane (V)		Disturbed (DS)	5
		Water Sample (WS)	0

Commencement Date : 19/10/15
Completion Date : 23/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 140.56 m.
Water Struck At :
Standing Water Level : 1.5 m.

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

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana			CETEST
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BORE LOG DATA SHEET

BORE HOLE NO. 27

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	5	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	5
Vane (V)		Disturbed (DS)	5
		Water Sample (WS)	0

Commencement Date : 19/10/15
Completion Date : 23/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 140.56 m.
Water Struck At :
Standing Water Level : 1.5 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
	13.00m.		R8	CR=31% RQD=NIL 13.50
			R9	CR=34% RQD=NIL 14.25
			R10	CR=36% RQD=NIL 15.00
Highly weathered, light grey to yellowish grey, fine grained, fractured rock.			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.		R15	CR=40% RQD=NIL 18.75
			R16	CR=42% RQD=NIL 19.50
			R17	CR=40% RQD=NIL 20.25
Highly to moderately weathered, brownish grey, fine grained, fractured rock.			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.		R22	CR=53% RQD=NIL 24.00
Moderately weathered, brownish grey, fine grained, fractured rock.			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
Penetrometer (SPT)	4	Undisturbed (UDS)	1
Cone (Pc)		Penetrometer (SPT)	4
		Disturbed (DS)	4
Vane (V)		Water Sample (WS)	0

Commencement Date : 03/10/15
Completion Date : 05/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.327 m.
Water Struck At :
Standing Water Level : 2.27 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Very stiff, yellowish grey, silty clay with sand mixture. Obs. kankar.		6 8 10 — 18	DS-1	0.50
			SPT-1	1.00-1.45
			DS-2	1.50
			UDS-1	2.00-2.45
			DS-3	2.70
3.00m		30		
Hard, deep grey, silty clay with sand & kankars.		10 13 17	SPT-2	3.00-3.45
			DS-4	3.60
4.00m		>100		
Very dense, yellowish brown, silty sand.		20 50 — 5.0 cm Pentn.	SPT-3	4.00-4.20
4.50m		50 — Refusal — 7.0 cm Pentn.	SPT-4	4.50-4.57
			R1	CR=33% RQD=13%
		NX rotary drilling from 4.50m to 25.00m	R2	CR=31% RQD=NIL
			R3	CR=33% RQD=21%
Highly to moderately weathered, yellowish brown, coarse to medium grained, highly to moderately fractured rock.			R4	CR=35% RQD=16%
			R5	CR=40% RQD=36%
			R6	CR=56% RQD=48%
			R7	CR=36% RQD=23%
9.75m			R8	CR=67% RQD=25%
Moderately to slightly weathered, yellowish brown, coarse to medium graind, highly to moderately fractured rock.			R9	CR=72% RQD=56%
			R10	CR=68% RQD=50%
			R11	CR=80% RQD=79%
13.00m				

4.50 5.25 6.00 6.75 7.50 8.25 9.00 9.75 10.50 11.25 12.00 12.75

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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
Penetrometer (SPT)	4	Undisturbed (UDS)	1
Cone (Pc)		Penetrometer (SPT)	4
Vane (V)		Disturbed (DS)	4
		Water Sample (WS)	0

Commencement Date : 03/10/15
Completion Date : 05/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.327 m.
Water Struck At :
Standing Water Level : 2.27 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
13.00m.			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
Moderately to slightly weathered, yellowish brown, coarse to medium graind, highly to moderately fractured rock.			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
25.00m.			R28	CR=78% RQD=NIL 25.00

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana			CETEST
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BORE LOG DATA SHEET — BORE HOLE NO. 29

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	4	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	4
Vane (V)		Disturbed (DS)	5
		Water Sample (WS)	1

Commencement Date : 29/09/15
Completion Date : 30/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 141.147 m.
Water Struck At :
Standing Water Level : 1.2 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES 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				
Medium dense, brownish grey, silty sand.		8 10 13 (23)	SPT-2	3.00-3.45
			DS-4	3.75
4.00m			*UDS-2	4.00-4.08
Very dense, yellowish brown, silty sand.		17 50/7.0 cm Pentn. (>100)	SPT-3	4.50-4.72
			DS-5	4.80
5.00m		50/7.0 cm Pentn. Refusal	SPT-4	5.00-5.07
		NX rotary drilling from 5.00m to 25.00m	R1	CR=22% RQD=NIL (5.00-5.75)
			R2	CR=24% RQD=22% (5.75-6.50)
Highly weathered, brownish yellow, medium grained, highly to moderately fractured rock.			R3	CR=21% RQD=NIL (6.50-7.25)
			R4	CR=28% RQD=NIL (7.25-8.00)
			R5	CR=21% RQD=NIL (8.00-8.75)
			R6	CR=23% RQD=NIL (8.75-9.50)
9.50m				
Moderately weathered, brownish yellow, medium grained, highly to moderately fractured rock.			R7	CR=45% RQD=42% (9.50-10.25)
			R8	CR=46% RQD=44% (10.25-11.00)
			R9	CR=55% RQD=52% (11.00-11.75)
11.75m				
Highly weathered, yellowish brown, medium to fine grained, highly to moderately fractured rock.			R10	CR=23% RQD=21% (11.75-12.50)
13.00m			R11	CR=22% RQD=21%

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. 29

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	4	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	4
Vane (V)		Disturbed (DS)	5
		Water Sample (WS)	1

Commencement Date : 29/09/15
Completion Date : 30/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 141.147 m.
Water Struck At :
Standing Water Level : 1.2 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
				13.25
			R12 CR=36% RQD=34%	14.00
			R13 CR=24% RQD=NIL	14.75
Highly weathered, yellowish brown, medium to fine grained, highly to moderately fractured rock.			R14 CR=39% RQD=NIL	15.50
			R15 CR=57% RQD=20%	16.25
			R16 CR=22% RQD=NIL	17.00
13.00m.				
			R17 CR=57% RQD=55%	17.75
			R18 CR=36% RQD=18%	18.50
			R19 CR=29% RQD=28%	19.25
			R20 CR=41% RQD=13%	20.00
Highly to moderately weathered, yellowish brown, medium to fine grained, highly to moderately fractured rock.			R21 CR=44% RQD=NIL	20.75
			R22 CR=48% RQD=NIL	21.50
			R23 CR=57% RQD=NIL	22.25
			R24 CR=44% RQD=NIL	23.00
17.00m.				
			R25 CR=58% RQD=56%	23.75
			R26 CR=68% RQD=64%	24.50
Slightly weathered, yellowish brown, medium to fine grained, slightly fractured rock.			R27 CR=77% RQD=64%	25.00
23.00m.				
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 : 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
Penetrometer (SPT)	4	Undisturbed (UDS)	1
Cone (Pc)		Penetrometer (SPT)	4
		Disturbed (DS)	4
Vane (V)		Water Sample (WS)	0

Commencement Date : 01/10/15
Completion Date : 02/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 141.598 m.
Water Struck At :
Standing Water Level : 2.3 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES 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		≥100		
		50 12.0 cm Pentn.	SPT-2	3.00-3.12
Very dense, brownish grey, silty sand.		≥100	DS-4	3.70
		50 9.0 cm Pentn.	SPT-3	4.00-4.09
4.50m		50 Refusal 6.0 cm Pentn.	SPT-4	4.50-4.56
			R1	CR=22% RQD=NIL 4.50 - 5.25
			R2	CR=28% RQD=NIL 5.25 - 6.00
		NX rotary drilling from 4.50m to 30.00m	R3	CR=23% RQD=NIL 6.00 - 6.75
			R4	CR=24% RQD=NIL 6.75 - 7.50
			R5	CR=25% RQD=NIL 7.50 - 8.25
			R6	CR=21% RQD=NIL 8.25 - 9.00
			R7	CR=36% RQD=NIL 9.00 - 9.75
Highly weathered, brownish yellow, medium to fine grained, highly to moderately fractured rock.			R8	CR=21% RQD=NIL 9.75 - 10.50
			R9	CR=25% RQD=NIL 10.50 - 11.25
			R10	CR=22% RQD=NIL 11.25 - 12.00
			R11	CR=39% RQD=28% 12.00 - 12.75
			R12	CR=32% RQD=13% 12.75 - 13.50
			R13	CR=25% RQD=NIL 13.50 - 14.25
			R14	CR=24% RQD=20% 14.25 - 15.00
15.50m			R15	CR=21% 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 : 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
Penetrometer (SPT)	4	Undisturbed (UDS)	1
Cone (Pc)		Penetrometer (SPT)	4
Vane (V)		Disturbed (DS)	4
		Water Sample (WS)	0

Commencement Date : 01/10/15
Completion Date : 02/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 141.598 m.
Water Struck At :
Standing Water Level : 2.3 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m				15.75
Highly weathered, brownish yellow, medium to fine grained, highly to moderately fractured rock.			R16 CR=24% RQD=NIL	16.50
			R17 CR=28% RQD=NIL	17.25
			R18 CR=25% RQD=NIL	18.00
18.00m				
Highly weathered, yellowish grey, fine grained, highly fractured rock.			R19 CR=28% RQD=NIL	18.75
18.75m				
			R20 CR=44% RQD=31%	19.50
			R21 CR=25% RQD=NIL	20.25
			R22 CR=27% RQD=NIL	21.00
			R23 CR=21% RQD=NIL	21.75
			R24 CR=47% RQD=13%	22.50
Highly to moderately weathered, brownish yellow, medium to fine grained, highly to moderately fractured rock.			R25 CR=33% RQD=NIL	23.25
			R26 CR=47% RQD=14%	24.00
			R27 CR=39% RQD=27%	24.75
			R28 CR=43% RQD=28%	25.50
			R29 CR=48% RQD=18%	26.25
			R30 CR=43% RQD=35%	27.00
			R31 CR=33% RQD=NIL	27.75
28.00m				
Moderately weathered, deep grey, fine grained, highly fractured rock.			R32 CR=45% RQD=13%	28.50
28.50m				
			R33 CR=45% RQD=25%	29.25
Moderately to slightly weathered, brownish yellow, medium to fine grained, moderately fractured rock.			R34 CR=68% RQD=45%	30.00
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 : 29/10/2015	Sheet No:

BORE LOG DATA SHEET — BORE HOLE NO. 31

Co-ordinates E=(-)329.000 N=(-)262.000

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	5	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	5
		Disturbed (DS)	4
Vane (V)		Water Sample (WS)	1

Commencement Date : 05/10/15
Completion Date : 07/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 141.74 m.
Water Struck At :
Standing Water Level : 2.1 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
			DS-1	0.50
		7		
		2 3 4	SPT-1	1.00-1.45
Loose, yellowish grey, silty sand / sandy silt.			DS-2	1.70
			*UDS-1	2.00-2.45
			WS-1	2.10
			DS-3	2.60
		8		
		2 4 4	SPT-2	3.00-3.45
3.45m			DS-4	3.65
		39	*UDS-2	4.00-4.09
Dense, brownish yellow, silty sand / sandy silt.		6 17 22	SPT-3	4.50-4.95
		>100	SPT-4	5.00-5.09
5.00m		50 9.0 cm Penetn.	SPT-5	5.25-5.32
Dense, brownish yellow, silty sand / sandy silt.		Refusal		5.25
5.25m		50 7.0 cm Penetn.	R1	CR=26% RQD=NIL
				6.00
		NX rotary drilling from 5.25m to 25.00m	R2	CR=25% RQD=NIL
				6.75
			R3	CR=26% RQD=NIL
				7.50
			R4	CR=27% RQD=NIL
				8.25
Highly weathered, brownish yellow, medium grained, highly to moderately fractured rock.			R5	CR=27% RQD=13%
				9.00
			R6	CR=29% RQD=NIL
				9.75
			R7	CR=27% RQD=NIL
				10.50
			R8	CR=28% RQD=NIL
				11.25
			R9	CR=36% RQD=NIL
				12.00
12.00m			R10	CR=44% RQD=16%
Moderately to slightly weathered, brownish yellow, medium grained, highly to moderately fractured rock.				12.75
13.00m				

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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. 31		Co-ordinates	E=(-)329.000 N=(-)262.000

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	5	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	5
		Disturbed (DS)	4
Vane (V)		Water Sample (WS)	1

Commencement Date : 05/10/15
Completion Date : 07/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 141.74 m.
Water Struck At :
Standing Water Level : 2.1 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
13.00m.			R11	CR=47% RQD=NIL 13.50
			R12	CR=48% RQD=NIL 14.25
			R13	CR=47% RQD=NIL 15.00
			R14	CR=72% RQD=NIL 15.75
Moderately to slightly weathered, brownish yellow, medium grained, highly to moderately fractured rock.			R15	CR=68% RQD=39% 16.50
			R16	CR=52% RQD=NIL 17.25
			R17	CR=47% RQD=NIL 18.00
			R18	CR=44% RQD=13% 18.75
18.75m.			R19	CR=53% RQD=33% 19.50
			R20	CR=51% RQD=NIL 20.25
			R21	CR=48% RQD=NIL 21.00
			R22	CR=44% RQD=16% 21.75
Moderately to slightly weathered, brownish yellow, medium grained, highly to moderately fractured rock.			R23	CR=52% RQD=20% 22.50
			R24	CR=60% RQD=24% 23.25
			R25	CR=59% RQD=28% 24.00
			R26	CR=72% RQD=36% 24.75
			R27	CR=78% 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 : 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
Penetrometer (SPT)	10	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	10
Vane (V)		Disturbed (DS)	12
		Water Sample (WS)	0

Commencement Date : 07/10/15
Completion Date : 09/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 141.744 m.
Water Struck At :
Standing Water Level : 2.5 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m.				
Loose, brownish yellow, silty sand / sandy silt.		4 4 5 — 9	DS-1	0.50
			SPT-1	1.00-1.45
1.70m.			DS-2	1.70
			UDS-1	2.00-2.45
Medium dense, yellowish brown / steel grey, silty sand / sandy silt.			DS-3	2.60
		8 10 10 — 20	SPT-2	3.00-3.45
3.70m.			DS-4	3.70
			*UDS-2	4.00-4.45
Dense, yellowish brown / steel grey, silty sand / sandy silt.			DS-5	4.65
		8 14 24 — 38	SPT-3	5.00-5.45
5.70m.			DS-6	5.70
Very dense, yellowish brown / steel grey, silty sand / sandy silt.		11 17 38 — 55	SPT-4	6.00-6.45
6.60m.			DS-7	6.60
		13 19 38 — 57	SPT-5	7.00-7.45
			DS-8	7.70
		15 26 40 — 66	SPT-6	8.00-8.45
			DS-9	8.60
Hard, light grey, silty clay with yellow patches & calcareous nodules.		17 31 58 — 89	SPT-7	9.00-9.45
			DS-10	9.70
		51 50 — ≥100	SPT-8	10.00-10.22
		7.0 cm Pentn.		
			DS-11	10.70
		60 50 — ≥100	SPT-9	11.00-11.18
		3.0 cm Pentn.		
			DS-12	11.60
		Refusal		
12.00m.		50	SPT-10	12.00-12.07
		7.0 cm Pentn.		12.00
Highly weathered, brownish yellow, medium grianed, highly to moderately fractured r.ock.			R1	CR=25% RQD=NIL
		NX rotary drilling from 12.00m to 25.00m		12.75
13.00m.				

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana			CETEST
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BORE LOG DATA SHEET

BORE HOLE NO. 32

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	10	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	10
		Disturbed (DS)	12
Vane (V)		Water Sample (WS)	0

Commencement Date : 07/10/15
Completion Date : 09/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 141.744 m.
Water Struck At :
Standing Water Level : 2.5 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
13.00m.			R2	CR=26% RQD=16% 13.50
			R3	CR=33% RQD=NIL 14.25
			R4	CR=27% RQD=NIL 15.00
			R5	CR=40% RQD=NIL 15.75
Highly weathered, brownish yellow, medium grianed, highly to moderately fractured r.ock.			R6	CR=38% RQD=NIL 16.50
			R7	CR=27% RQD=NIL 17.25
			R8	CR=29% RQD=NIL 18.00
			R9	CR=39% RQD=NIL 18.75
18.75m.			R10	CR=48% RQD=NIL 19.50
Moderately weathered, brownish yellow, medium grained, highly to moderately fractured rock.			R11	CR=41% RQD=NIL 20.25
			R12	CR=47% RQD=20% 21.00
21.00m.			R13	CR=59% RQD=56% 21.75
			R14	CR=56% RQD=21% 22.50
			R15	CR=62% RQD=56% 23.25
Moderately to slightly weathered, brownish yellow, medium grianed, slightly fractured rock.			R16	CR=61% RQD=22% 24.00
			R17	CR=76% RQD=68% 24.75
25.00m.			R18	CR=62% RQD=NIL 25.00

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

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana			CETEST
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BORE LOG DATA SHEET

BORE HOLE NO. 33

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	5	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	5
		Disturbed (DS)	7
Vane (V)		Water Sample (WS)	0

Commencement Date : 09/10/15
Completion Date : 12/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 139.868 m.
Water Struck At :
Standing Water Level : 1.2 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Very stiff, yellowish brown, silty clay with sand mixture & kankar.		8 9 11 (20)	DS-1	0.50
			SPT-1	1.00-1.45
			DS-2	1.70
			UDS-1	2.00-2.45
			DS-3	2.60
3.00m				
Very stiff, light grey, silty clay with sand & calcareous nodules.		5 8 13 (21)	SPT-2	3.00-3.45
			DS-4	3.70
4.00m			*UDS-2	4.00-4.45
Very dense, brownish yellow, silty sand.		19 (>100) 39 50 7.0 cm Penth.	DS-5	4.60
			SPT-3	5.00-5.37
			DS-6	5.70
		(>100) 35 50 8.0 cm Penth.	SPT-4	6.00-6.23
			DS-7	6.60
7.00m		Refusal 50 7.0 cm Penth.	*SPT-5	7.00-7.07
Highly weathered, brownish yellow, medium to fine grained, highly fractured rock.		NX rotary drilling from 7.00m to 25.00m	R1	CR=28% RQD=NIL 7.00 - 7.75
			R2	CR=36% RQD=NIL 7.75 - 8.50
			R3	CR=39% RQD=NIL 8.50 - 9.25
9.25m				
Moderartely weathered, brownish yellow, medium to fine grained, highly to moderately fractured rock.			R4	CR=48% RQD=13% 9.25 - 10.00
			R5	CR=42% RQD=NIL 10.00 - 10.75
			R6	CR=41% RQD=NIL 10.75 - 11.50
			R7	CR=40% RQD=NIL 11.50 - 12.25
			R8	CR=56% RQD=13% 12.25 - 13.00
13.00m				

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BORE LOG DATA SHEET — BORE HOLE NO. 33

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	5	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	5
		Disturbed (DS)	7
Vane (V)		Water Sample (WS)	0

Commencement Date : 09/10/15
Completion Date : 12/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 139.868 m.
Water Struck At :
Standing Water Level : 1.2 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
13.00m. Moderartely weathered, brownish yellow, medium to fine grained, highly to moderately fractured rock. 13.75m.			R9	CR=45% RQD=NIL 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
			R15	CR=44% RQD=20% 18.25
Moderately weathered, brownish yellow, medium to fine grained, highly to moderately fractured rock.			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
Moderately to slightly weathered, light grey, medium to fine grained, moderately fractured rock.			R22	CR=65% RQD=26% 23.50
			R23	CR=61% RQD=52% 24.25
			R24	CR=63% RQD=28% 25.00
25.00m.				

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

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BORE LOG DATA SHEET

BORE HOLE NO. 34

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	7	Undisturbed (UDS)	1
Cone (Pc)		Penetrometer (SPT)	7
Vane (V)		Disturbed (DS)	8
		Water Sample (WS)	0

Commencement Date : 12/10/15
Completion Date : 14/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 139.33 m.
Water Struck At :
Standing Water Level : 1.2 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Stiff, yellowish brown, silty clay with sand mixture & kankar.		3 4 5 — 9	DS-1	0.50
			SPT-1	1.00-1.45
			DS-2	1.70
			UDS-1	2.00-2.45
			DS-3	2.60
3.00m				
Dense, yellowish grey, silty sand.		11 13 19 — 32	SPT-2	3.00-3.45
			DS-4	3.60
		11 21 29 — 50	SPT-3	4.00-4.45
			DS-5	4.70
5.00m				
Very dense, brownish yellow / light grey, silty sand with calcareous nodules.		23 36 40 — 76	SPT-4	5.00-5.45
			DS-6	5.60
		32 100 — ≥100 (5.0 cm Penetn.)	SPT-5	6.00-6.20
			DS-7	6.70
7.00m				
Very dense, brownish yellow, silty sand.		100 — ≥100 (9.0 cm Penetn.)	SPT-6	7.00-7.09
			DS-8	7.60
8.00m				
		100 — ≥100 (8.0 cm Penetn.)	SPT-7	8.00-8.08
		NX rotary drilling from 8.00m to 25.00m	R1	CR=25% RQD=NIL (8.00 - 8.75)
			R2	CR=26% RQD=NIL (8.75 - 9.50)
			R3	CR=26% RQD=NIL (9.50 - 10.25)
Highly weathered, brownish yellow, medium grained, highly to moderately fractured rock.			R4	CR=27% RQD=NIL (10.25 - 11.00)
			R5	CR=28% RQD=NIL (11.00 - 11.75)
			R6	CR=30% RQD=15% (11.75 - 12.50)
13.00m			R7	CR=37% RQD=14% (12.50 - ~)

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Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana			CETEST
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BORE LOG DATA SHEET

BORE HOLE NO. 34

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	7	Undisturbed (UDS)	1
Cone (Pc)		Penetrometer (SPT)	7
Vane (V)		Disturbed (DS)	8
		Water Sample (WS)	0

Commencement Date : 12/10/15
Completion Date : 14/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 139.33 m.
Water Struck At :
Standing Water Level : 1.2 m.

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

13.00m
13.25m
17.75m
21.50m
25.00m

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BORE LOG DATA SHEET — BORE HOLE NO. 35

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	6	Undisturbed (UDS)	1
Cone (Pc)		Penetrometer (SPT)	6
		Disturbed (DS)	8
Vane (V)		Water Sample (WS)	1

Commencement Date : 15/10/15
Completion Date : 16/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 139.676 m.
Water Struck At :
Standing Water Level : 1.2 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Very stiff, deep brownish grey, silty clay with sand mixture & kankar.		8 9 10 — 19	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	2.60
3.00m		7 10 12 — 22	SPT-2	3.00-3.45
Medium dense, yellowish brown, silty sand / sandy silt with kankars.			DS-4	3.70
4.00m		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		100 — ≥100	SPT-4	5.00-5.10
Very dense, brownish yellow, silty sand with steel grey patches.		10.0 cm Pentn.	DS-6	5.70
		100 — ≥100	SPT-5	6.00-6.09
		9.0 cm Pentn.	DS-7	6.60
7.00m		100 — >Refusal	*SPT-6	7.00-7.07
		7.0 cm Pentn.	R1	CR=25% RQD=NIL (7.00 - 7.75)
		NX rotary drilling from 7.00m to 25.00m	R2	CR=28% RQD=NIL (7.75 - 8.50)
Highly weathered, brownish yellow, medium to fine grained, highly fractured rock.			R3	CR=39% RQD=NIL (8.50 - 9.25)
			R4	CR=36% RQD=NIL (9.25 - 10.00)
			R5	CR=40% RQD=NIL (10.00 - 10.75)
10.75m			R6	CR=45% RQD=NIL (10.75 - 11.50)
Moderately weathered, brownish yellow, medium to fine grained, highly to moderately fractured rock.			R7	CR=55% RQD=40% (11.50 - 12.25)
			R8	CR=44% RQD=NIL (12.25 - 13.00)
13.00m				

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana			CETEST
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BORE LOG DATA SHEET

BORE HOLE NO. 35

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	6	Undisturbed (UDS)	1
Cone (Pc)		Penetrometer (SPT)	6
Vane (V)		Disturbed (DS)	8
		Water Sample (WS)	1

Commencement Date : 15/10/15
Completion Date : 16/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 139.676 m.
Water Struck At :
Standing Water Level : 1.2 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
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
Moderately weathered, brownish yellow, medium to fine grained, highly to moderately fractured rock.			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.

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana			CETEST
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BORE LOG DATA SHEET

BORE HOLE NO. 36

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	8	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	8
		Disturbed (DS)	9
Vane (V)		Water Sample (WS)	0

Commencement Date : 02/10/15
Completion Date : 06/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 144.561 m.
Water Struck At :
Standing Water Level : 1.95 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Medium, brownish grey, silty clay. Obs. kankars & sand mixture.		3 3 2 (5)	DS-1	0.50
			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) 10.0 cm Pentn.	SPT-4	6.00-6.40
			DS-7	6.75
Hard, yellowish brown, silty clay & decomposed rock.		46 50 (>100) 9.0 cm Pentn.	SPT-5	7.00-7.24
			DS-8	7.65
		48 50 (>100) 6.0 cm Pentn.	SPT-6	8.00-8.21
			DS-9	8.60
		52 (>100) 8.0 cm Pentn.	SPT-7	9.00-9.08
9.25m		50 (>100) 6.0 cm Pentn.	SPT-8	9.25-9.31
			R1	CR=29% RQD=NIL 9.25 - 10.00
		NX rotary drilling from 9.25m to 30.00m	R2	CR=35% RQD=NIL 10.00 - 10.75
Highly to moderately weathered, deep grey to light yellowish grey, medium grianed, highly fractured rock.			R3	CR=39% RQD=NIL 10.75 - 11.50
			R4	CR=49% RQD=NIL 11.50 - 12.25
			R5	CR=43% RQD=NIL 12.25 - 13.00
13.00m				

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Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana			CETEST
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BORE LOG DATA SHEET

BORE HOLE NO. 36

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	8	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	8
Vane (V)		Disturbed (DS)	9
		Water Sample (WS)	0

Commencement Date : 02/10/15
Completion Date : 06/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 144.561 m.
Water Struck At :
Standing Water Level : 1.95 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
13.00m.				
			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
Highly to moderately weathered, deep grey to light yellowish grey, medium grianed, highly fractured rock.			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
19.75m.				19.75
			R15	CR=64% RQD=NIL
				20.50
			R16	CR=68% RQD=NIL
				21.25
			R17	CR=65% RQD=NIL
				22.00
Slightly weathered, light yellowish grey to deep grey, medium grained, highly fractured rock.			R18	CR=62% RQD=NIL
				22.75
			R19	CR=76% RQD=NIL
				23.50
			R20	CR=79% RQD=NIL
				24.25
			R21	CR=78% RQD=NIL
25.00m.				25.00

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
Penetrometer (SPT)	7	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	7
Vane (V)		Disturbed (DS)	8
		Water Sample (WS)	0

Commencement Date : 27/09/15
Completion Date : 02/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 144.722 m.
Water Struck At :
Standing Water Level : 2.1 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Stiff, deep grey, silty clay. Obs. rusty spots.		2 4 6 (10)	DS-1	0.50
			SPT-1	1.00-1.45
			DS-2	1.75
			UDS-1	2.00-2.45
2.75m			DS-3	2.75
Very stiff, yellowish brown, silty clay with sand mixture. Obs. calcareous nodules		5 7 10 (17)	SPT-2	3.00-3.45
			DS-4	3.80
			UDS-2	4.00-4.45
4.75m			DS-5	4.75
Hard, yellowish brown, silty clay with sand.		13 37 50 (≥100) 7.0 cm Pentn.	SPT-3	5.00-5.37
			DS-6	5.70
5.85m				
Hard, yellowish brown, silty clay with sand.		19 41 50 (≥100) 5.0 cm Pentn.	SPT-4	6.00-6.20
			DS-7	6.75
		20 20 37 (57)	SPT-5	7.00-7.45
7.80m			DS-8	7.80
Hard, yellowish brown, silty clay with decomposed rock.		52 13.0 cm Pentn. (≥100)	SPT-6	8.00-8.13
8.25m		50 9.0 cm Pentn. (≥100)	SPT-7	8.25-8.34
		NX rotary drilling from 7.25m to 25.00m	R1	CR=31% RQD=NIL 8.25 - 9.00
			R2	CR=35% RQD=NIL 9.00 - 9.75
			R3	CR=29% RQD=NIL 9.75 - 10.50
Highly to moderately weathered, light yellowish grey, medium grained, highly fractured rock.			R4	CR=28% RQD=NIL 10.50 - 11.25
			R5	CR=40% RQD=NIL 11.25 - 12.00
			R6	CR=48% RQD=NIL 12.00 - 12.75
13.00m				

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana			CETEST
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BORE LOG DATA SHEET

BORE HOLE NO. 37

Co-ordinates E=345.000 N=(-)217.000

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	7	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	7
Vane (V)		Disturbed (DS)	8
		Water Sample (WS)	0

Commencement Date : 27/09/15
Completion Date : 02/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 144.722 m.
Water Struck At :
Standing Water Level : 2.1 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES 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
Moderately to slightly weathered, light yellowish grey, medium to fine grained, moderately fractured rock.			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.				

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. 38

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	7	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	7
Vane (V)		Disturbed (DS)	9
		Water Sample (WS)	0

Commencement Date : 23/09/15
Completion Date : 27/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 144.997 m.
Water Struck At :
Standing Water Level : 2.65 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m.				
Medium dense, yellowish grey, silty sand.		4 5 6 — 11	DS-1	0.50
			SPT-1	1.00-1.45
			DS-2	1.75
			UDS-1	2.00-2.45
2.80m.			DS-3	2.80
Very stiff, light grey, silty clay with sand mixure.		4 7 9 — 16	SPT-2	3.00-3.45
			DS-4	3.75
			UDS-2	4.00-4.35
4.70m.			DS-5	4.70
Very dense, yellowish grey to whitish grey, silty medium to coarse grained sand. Obs. kankars & calcareous nodules.		21 32 45 — 77	SPT-3	5.00-5.45
			DS-6	5.75
		30 50 — >100 (10.0 cm Pentn.)	SPT-4	6.00-6.25
			DS-7	6.60
		47 50 — >100 (5.0 cm Pentn.)	SPT-5	7.00-7.20
7.80m.			DS-8	7.70
Hard, whitish grey to yellowish grey, silty clay with decomposed rock.		30 45 50 — >100 (4.0 cm Pentn.)	SPT-6	8.00-8.34
			DS-9	8.60
9.00m.		52 — >100 (8.0 cm Pentn.)	SPT-7	9.00-9.08
Highly to moderately weathered, deep grey to light yellowish grey, medium grained, highly fractured rock.		NX rotary drilling from 9.00m to 25.00m	R1	CR=25% RQD=NIL (9.00-9.75)
			R2	CR=31% RQD=NIL (9.75-10.50)
			R3	CR=33% RQD=NIL (10.50-11.25)
			R4	CR=28% RQD=NIL (11.25-12.00)
			R5	CR=40% RQD=NIL (12.00-12.75)
			R6	CR=28% RQD=NIL (12.75-13.50)
			R7	CR=31% RQD=NIL (13.50-14.25)
			R8	CR=32% RQD=NIL (14.25-15.00)
15.50m.			R9	CR=39% 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 : 15/10/2015	Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. 38

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	7	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	7
Vane (V)		Disturbed (DS)	9
		Water Sample (WS)	0

Commencement Date : 23/09/15
Completion Date : 27/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 144.997 m.
Water Struck At :
Standing Water Level : 2.65 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
				15.75
			R10	CR=47% RQD=NIL
				16.50
			R11	CR=52% RQD=23%
				17.25
			R12	CR=33% RQD=NIL
				18.00
			R13	CR=35% RQD=19%
				18.75
			R14	CR=45% RQD=27%
				19.50
			R15	CR=49% RQD=31%
15.50m				20.25
Highly to moderately weathered, deep grey to light yellowish grey, medium grained, highly fractured rock.			R16	CR=48% RQD=NIL
				21.00
			R17	CR=41% RQD=NIL
				21.75
			R18	CR=40% RQD=NIL
				22.50
			R19	CR=42% RQD=NIL
				23.25
			R20	CR=35% RQD=NIL
20.25m				24.00
Moderately weathered, reddish grey to light yellowish grey, medium grained, highly fractured rock.			R21	CR=57% RQD=44%
				24.75
			R22	CR=56% RQD=NIL
				25.50
			R23	CR=41% RQD=15%
				26.25
			R24	CR=50% RQD=31%
24.00m				27.00
Moderately to slightly weathered, light yellowish grey, fine grained, moderately fractured rock.			R25	CR=57% RQD=13%
				27.75
			R26	CR=80% RQD=63%
				28.50
			R27	CR=51% RQD=32%
				29.25
			R28	CR=50% RQD=33%
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 : 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
Penetrometer (SPT)	5	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	5
		Disturbed (DS)	7
Vane (V)		Water Sample (WS)	0

Commencement Date : 18/09/15
Completion Date : 21/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 144.915 m.
Water Struck At :
Standing Water Level : 2.7 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m Dark grey, silty clay. 0.80m			DS-1	0.50
Very stiff, dark grey, silty clay with sand mixture. Obs. kankars. 2.75m		5 8 8 (16)	SPT-1	1.00-1.45
			DS-2	1.80
			UDS-1	2.00-2.45
			DS-3	2.80
Medium dense, brownish grey, medium grained, silty sand. 4.80m		5 10 12 (22)	SPT-2	3.00-3.45
			DS-4	3.75
			*UDS-2	4.00-4.45
			DS-5	4.70
Hard, whitish grey, silty clay. Obs. kankars. 6.00m		25 31 38 (69)	SPT-3	5.00-5.45
			DS-6	5.75
Hard, reddish grey, silty clay. 7.00m		35 51 >100 10.0 cm Pentn. Refusal	SPT-4	6.00-6.25
			DS-7	6.70
		57 7.0 cm Pentn.	SPT-5	7.00-7.07
Highly / moderately weathered, whitish grey to brownish grey, highly fractured rock.			R1	CR=35% RQD=NIL 7.00-7.75
			R2	CR=28% RQD=NIL 7.75-8.50
			R3	CR=33% RQD=NIL 8.50-9.25
			R4	CR=28% RQD=NIL 9.25-10.00
			R5	CR=25% RQD=NIL 10.00-10.75
			R6	CR=32% RQD=NIL 10.75-11.50
			R7	CR=25% RQD=NIL 11.50-12.25
			R8	CR=28% RQD=NIL 12.25-13.00
			R9	CR=35% RQD=NIL 13.00-13.75
			R10	CR=33% RQD=NIL 13.75-14.50
			R11	CR=35% RQD=24% 14.50-15.25
15.50m				

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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
Penetrometer (SPT)	5	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	5
Vane (V)		Disturbed (DS)	7
		Water Sample (WS)	0

Commencement Date : 18/09/15
Completion Date : 21/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 144.915 m.
Water Struck At :
Standing Water Level : 2.7 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m. Highly / moderately weathered, whitish grey to brownish grey, highly fractured rock.			R12	CR=40% RQD=19% 16.00
			R13	CR=38% RQD=NIL 16.75
16.75m. Moderately weathered, brownish grey, medium grained, fractured rock.			R14	CR=48% RQD=19% 17.50
			R15	CR=44% RQD=NIL 18.25
18.25m.			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
Moderately to slightly weathered, whitish grey to brownish grey, highly fractured rock.			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.

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
Penetrometer (SPT)	9	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	9
Vane (V)		Disturbed (DS)	10
		Water Sample (WS)	0

Commencement Date : 07/10/15
Completion Date : 12/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 144.561 m.
Water Struck At :
Standing Water Level : 2.1 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Brownish grey, silty clay with sand mixture. Obs. kankars & calcareous nodules. 0.50m		12	DS-1	0.50
		3 5 7	SPT-1	1.00-1.45
Stiff, deep grey, silty clay. Obs. sand mixture.			DS-2	1.75
			UDS-1	2.00-2.45
2.80m		22	DS-3	2.80
		5 6 16	SPT-2	3.00-3.45
Medium dense, yellowish grey, silty sand.			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
5.70m		78	DS-6	5.70
Hard, light yellowish grey, silty clay with decomposed rock.		18 31 47	SPT-4	6.00-6.45
		>100	DS-7	6.75
		52 12.0 cm Pentn.	SPT-5	7.00-7.12
7.25m		50 Refusal 7.0 cm Pentn.	*SPT-6	7.25-7.32
			R1	CR=29% RQD=NIL 7.25 - 8.00
		NX rotary drilling from 7.25m to 30.00m	R2	CR=35% RQD=NIL 8.00 - 8.75
			R3	CR=44% RQD=NIL 8.75 - 9.50
			R4	CR=41% RQD=NIL 9.50 - 10.25
			R5	CR=48% RQD=NIL 10.25 - 11.00
Highly to moderately weathered, yellowish grey, medium grained, highly fractured rock.			R6	CR=50% RQD=NIL 11.00 - 11.75
			R7	CR=46% RQD=NIL 11.75 - 12.50
			R8	CR=50% RQD=NIL 12.50 - 13.25
			R9	CR=48% RQD=NIL 13.25 - 14.00
			R10	CR=46% RQD=NIL 14.00 - 14.75
			R11	CR=41% RQD=NIL 14.75 - 15.50
15.50m				

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
Penetrometer (SPT)	9	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	9
Vane (V)		Disturbed (DS)	10
		Water Sample (WS)	0

Commencement Date : 07/10/15
Completion Date : 12/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 144.561 m.
Water Struck At :
Standing Water Level : 2.1 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m. Moderately weathered, yellowish grey, medium grained, highly fractured rock.			R12	CR=54% RQD=NIL
				16.25
			R13	CR=60% RQD=25%
17.00m.				17.00
Completely weathered, medium grained, decomposed & disintegrated rock particles collected as sludge.		≥100 50 9.0 cm Penth.	R14 DS-8 SPT-7	CR=NIL RQD=NIL 17.75-17.84
				17.75
		≥100 50 8.0 cm Penth.	R15 DS-9 SPT-8	CR=NIL RQD=NIL 18.50-18.58
				18.50
19.25m.		Refusal 50 3.0 cm Penth.	R16 DS-10 *SPT-9	CR=NIL RQD=NIL 19.25-19.28
				19.25
			R17	CR=35% RQD=NIL
				20.00
			R18	CR=37% RQD=NIL
				20.75
			R19	CR=40% RQD=NIL
				21.50
Highly to moderately weathered, light yellowish grey, medium grained, highly fractured rock.			R20	CR=41% RQD=NIL
				22.25
			R21	CR=43% RQD=NIL
				23.00
			R22	CR=48% RQD=NIL
				23.75
			R23	CR=40% RQD=NIL
				24.50
			R24	CR=48% RQD=NIL
25.25m.				25.25
			R25	CR=60% RQD=NIL
				26.00
			R26	CR=57% RQD=NIL
				26.75
Moderately weathered, reddish grey to yellowish grey, medium to fine grained, moderately fractured rock.			R27	CR=51% RQD=NIL
				27.50
			R28	CR=58% RQD=35%
				28.25
			R29	CR=59% RQD=31%
				29.00
			R30	CR=58% RQD=NIL
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 : 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
Penetrometer (SPT)	5	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	5
Vane (V)		Disturbed (DS)	6
		Water Sample (WS)	0

Commencement Date : 11/10/15
Completion Date : 14/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 144.647 m.
Water Struck At :
Standing Water Level : 3.0 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Stiff, brownish grey to greyish brown, silty clay. Obs. sand mixture & calcareous nodules.		4 6 7 — 13	DS-1	0.50
			SPT-1	1.00-1.45
			DS-2	1.70
			UDS-1	2.00-2.45
2.70m			DS-3	2.70
Hard, brownish grey to greyish brown, silty clay. Obs. sand mixture & calcareous nodules.		10 19 27 — 46	SPT-2	3.00-3.45
			DS-4	3.65
			*UDS-2	4.00-4.11
4.50m			DS-5	4.50
Hard, whitish grey, silty clay with sand mixture.		16 28 40 — 68	SPT-3	5.00-5.45
			DS-6	5.70
		38 100/5.0 cm Pentn. — ≥100	SPT-4	6.30-6.50
6.70m		100/3.0 cm Pentn. — Refusal	*SPT-5	6.70-6.73
Highly weathered, light brownish grey to reddish brwon, fine grained rock.		NX rotary drilling from 6.70m to 30.00m	R1	CR=30% RQD=NIL 6.70-7.30
			R2	CR=32% RQD=NIL 7.30-8.00
8.75m			R3	CR=33% RQD=18% 8.00-8.75
Highly to moderately weathered, reddish brown to brownish grey, fine to medium grianed, moderately fractured rock. Obs. laminated sandstone.			R4	CR=36% RQD=NIL 8.75-9.50
			R5	CR=33% RQD=NIL 9.50-10.25
			R6	CR=38% RQD=NIL 10.25-11.00
			R7	CR=40% RQD=NIL 11.00-11.75
			R8	CR=38% RQD=NIL 11.75-12.50
			R9	CR=38% RQD=NIL 12.50-13.25
			R10	CR=50% RQD=NIL 13.25-14.00
			R11	CR=40% RQD=NIL 14.00-14.75
			R12	CR=421% RQD=NIL 14.75-15.50
15.50m				

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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. 41

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	5	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	5
Vane (V)		Disturbed (DS)	6
		Water Sample (WS)	0

Commencement Date : 11/10/15
Completion Date : 14/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 144.647 m.
Water Struck At :
Standing Water Level : 3.0 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m.				
Highly to moderately weathered, reddish brown to brownish grey, fine to medium grianed, moderately fractured rock. Obs. laminated sandstone.			R13	CR=43% RQD=14% 16.25
			R14	CR=46% RQD=NIL 17.00
			R15	CR=30% RQD=NIL 17.75
			R16	CR=40% RQD=NIL 18.50
			R17	CR=43% RQD=NIL 19.25
			R18	CR=45% RQD=14% 20.00
			R19	CR=46% RQD=32% 20.75
20.75m.				
Highly to moderately weathered, whitish grey to brownish grey, medium to coarse grained rock.			R20	CR=32% RQD=NIL 21.50
			R21	CR=45% RQD=NIL 22.25
			R22	CR=48% RQD=33% 23.00
			R23	CR=37% RQD=NIL 23.75
23.75m.				
Highly to moderately weathered, reddish brown to brownish grey, fine grained, fractured rock.			R24	CR=33% RQD=20% 24.50
			R25	CR=53% RQD=45% 25.25
			R26	CR=42% RQD=34% 26.00
			R27	CR=46% RQD=13% 26.75
			R28	CR=54% RQD=NIL 27.50
			R29	CR=45% RQD=28% 28.25
			R30	CR=48% RQD=14% 29.00
29.00m.				
Slightly weathered, reddish brown to brownish grey, fine grained, fractured rock.			R31	CR=60% 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 : 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
Penetrometer (SPT)	5	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	5
		Disturbed (DS)	5
Vane (V)		Water Sample (WS)	1

Commencement Date : 06/10/15
Completion Date : 10/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 145.194 m.
Water Struck At :
Standing Water Level : 2.8 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Very stiff, brownish grey to greyish brown, silty clay with sand mixture. Obs. calcareous nodules.		8 9 11 (20)	DS-1	0.50
			SPT-1	1.00-1.45
			DS-2	1.70
			UDS-1	2.00-2.45
			DS-3	2.70
			WS-1	2.80
3.45m		8 13 17 (30)	SPT-2	3.00-3.45
Dense, brownish grey, silty sand with traces of clay binder.			*UDS-2	4.00-4.45
		13 15 29 (44)	SPT-3	5.00-5.45
5.50m			DS-4	5.70
Hard, reddish brown, silty clay with sand mixture.		55 (>100) 12.0 cm Pentn.	SPT-4	6.00-6.12
6.30m		50 (>100) 2.0 cm Pentn.	*SPT-5	6.30-6.32
		NX rotary drilling from 6.30m to 30.00m	R1	CR=35% RQD=NIL 6.30 - 7.00
			R2	CR=36% RQD=NIL 7.00 - 7.75
			R3	CR=40% RQD=NIL 7.75 - 8.50
			R4	CR=50% RQD=NIL 8.50 - 9.25
			R5	CR=46% RQD=NIL 9.25 - 10.00
Highly to moderately weathered, reddish brown to reddish grey, fine grained, highly fractured rock.			R6	CR=50% RQD=NIL 10.00 - 10.75
			R7	CR=38% RQD=NIL 10.75 - 11.50
			R8	CR=38% RQD=NIL 11.50 - 12.25
			R9	CR=38% RQD=NIL 12.25 - 13.00
			R10	CR=50% RQD=NIL 13.00 - 13.75
			R11	CR=45% RQD=NIL 13.75 - 14.50
			R12	CR=56% RQD=32% 14.50 - 15.25
Highly to moderately weathered, brownish grey, fine grained, moderately fractured rock. Obs. reddish spots.				
15.25m 15.50m				

BH-42/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 : 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
Penetrometer (SPT)	5	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	5
		Disturbed (DS)	5
Vane (V)		Water Sample (WS)	1

Commencement Date : 06/10/15
Completion Date : 10/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 145.194 m.
Water Struck At :
Standing Water Level : 2.8 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m.			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
Highly to moderately weathered, brownish grey, fine grained, moderately fractured rock. Obs. reddish spots.			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
28.75m.			R31	CR=54% RQD=NIL 29.50
Moderately weathered, brownish grey, fine grained, moderately fractured rock. Obs. reddish spots.			R32	CR=56% RQD=26% 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 : 3576	Created by : Chandrani	Created on : 23/10/2015	Sheet No:

BORE LOG DATA SHEET — BORE HOLE NO. 43

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	7	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	7
Vane (V)		Disturbed (DS)	8
		Water Sample (WS)	0

Commencement Date : 22/09/15
Completion Date : 25/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 144.767 m.
Water Struck At :
Standing Water Level : 2.7 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES 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
			DS-3	2.75
Hard, deep grey, silty clay with sand mixture. Obs. kankars & calcareous nodules.		13 19 23 — 42	SPT-2	3.00-3.45
			DS-4	3.80
			*UDS-2	4.00-4.09
		14 19 22 — 41	SPT-3	4.50-4.95
5.00m			DS-5	5.20
Very dense, greyish brown, silty sand. Obs. kankars. 5.50m		11 21 51 — >100	SPT-4	5.50-5.83
		3.0 cm Pentn.	DS-6	6.30
		34 51 — >100	SPT-5	6.50-6.75
Hard, dark grey to grey, silty clay.		10.0 cm Pentn.	DS-7	7.20
		39 52 — >100	SPT-6	7.50-7.71
		6.0 cm Pentn.	DS-8	8.00
8.50m		52 — >100	SPT-7	8.50-8.59
		9.0 cm Pentn.	R1	CR=25% RQD=NIL 8.50 / 9.25
		NX rotary drilling from 8.00m to 30.00m	R2	CR=32% RQD=NIL 9.25 / 10.00
Highly to moderately weathered, grey to reddish grey, medium grained, highly fractured rock.			R3	CR=31% RQD=NIL 10.00 / 10.75
			R4	CR=35% RQD=NIL 10.75 / 11.50
			R5	CR=48% RQD=NIL 11.50 / 12.25
			R6	CR=43% RQD=19% 12.25 / 13.00
13.00m			R7	CR=36% RQD=13% 13.00 / 13.75
Highly weathered, whitish grey, medium grained, highly fractured rock.			R8	CR=30% RQD=NIL 13.75 / 14.50
Highly to moderately weathered, deep grey, medium to fine grained, highly fractured rock.			R9	CR=36% RQD=NIL 14.50 / 15.25
15.25m / 15.50m				

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Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana			CETEST
Job No : 3576	Created by : Chandrani	Created on : 23/10/2015	Sheet No:

BORE LOG DATA SHEET — BORE HOLE NO. 43

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	7	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	7
Vane (V)		Disturbed (DS)	8
		Water Sample (WS)	0

Commencement Date : 22/09/15
Completion Date : 25/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 144.767 m.
Water Struck At :
Standing Water Level : 2.7 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m. Highly to moderately weathered, deep grey, medium to fine grained, highly fractured rock.			R10	CR=43% RQD=20% 16.00
			R11	CR=37% RQD=27% 16.75
			R12	CR=40% RQD=20% 17.50
17.50m. Moderately weathered, deep grey to reddish grey, medium grained, highly fractured rock.			R13	CR=42% RQD=NIL 18.25
			R14	CR=47% RQD=NIL 19.00
			R15	CR=41% RQD=16% 19.75
19.75m. Moderately weathered, deep grey to reddish grey, medium grained, highly fractured rock.			R16	CR=51% RQD=NIL 20.50
			R17	CR=56% RQD=NIL 21.25
			R18	CR=58% RQD=NIL 22.00
			R19	CR=66% RQD=19% 22.75
22.75m. Slightly weathered, light yellowish grey, fine grained, highly to moderately fractured rock.			R20	CR=80% RQD=NIL 23.50
			R21	CR=50% RQD=NIL 24.25
			R22	CR=70% RQD=28% 25.00
25.00m. Moderately weathered, light yellowish grey, fine grained, highly to moderately fractured rock.			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
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 : 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
Penetrometer (SPT)	8	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	8
Vane (V)		Disturbed (DS)	8
		Water Sample (WS)	0

Commencement Date : 25/09/15
Completion Date : 28/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 145.396 m.
Water Struck At :
Standing Water Level : 2.6 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m. Brownish grey, silty clay with sand. Obs. kankars & calcareous nodules.			DS-1	0.50
0.75m.		4 6 7 (13)	SPT-1	1.00-1.45
			DS-2	1.75
Stiff to very stiff, deep grey, silty clay.			UDS-1	2.00-2.45
			DS-3	2.80
		7 11 14 (25)	SPT-2	3.00-3.45
3.50m.			DS-4	3.75
			*UDS-2	4.00-4.09
Very dense, yellowish grey, silty sand. Obs. kanakrs.		13 19 37 (56)	SPT-3	4.50-4.95
5.60m.			DS-5	5.50
Very dense, brownish grey, silty sand. Obs. kankars.		45 50 (>100) 4.0 cm Pentn.	SPT-4	6.00-6.19
6.60m.			DS-6	6.60
Hard, dark grey to reddish grey, silty sand.		50 (>100) 12.0 cm Pentn.	SPT-5	7.00-7.12
7.25m.		50 (>100) 8.0 cm Pentn.	SPT-6	7.25-7.33
		NX rotary drilling from 7.25m to 30.00m	R1	CR=31% RQD=NIL 7.25 - 8.00
			R2	CR=40% RQD=NIL 8.00 - 8.75
			R3	CR=28% RQD=NIL 8.75 - 9.50
			R4	CR=37% RQD=NIL 9.50 - 10.25
			R5	CR=38% RQD=NIL 10.25 - 11.00
Highly weathered, reddish grey to light yellowish grey, medium grained, highly fractured rock.			R6	CR=35% RQD=NIL 11.00 - 11.75
			R7	CR=29% RQD=NIL 11.75 - 12.50
			R8	CR=31% RQD=NIL 12.50 - 13.25
			R9	CR=36% RQD=NIL 13.25 - 14.00
			R10	CR=32% RQD=NIL 14.00 - 14.75
			R11	CR=35% RQD=NIL 14.75 - 15.50
15.50m.				

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana			CETEST
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
Penetrometer (SPT)	8	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	8
		Disturbed (DS)	8
Vane (V)		Water Sample (WS)	0

Commencement Date : 25/09/15
Completion Date : 28/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 145.396 m.
Water Struck At :
Standing Water Level : 2.6 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m. Moderately weathered, whitish grey, medium to coarse grained, moderately fractured rock.			R12	CR=44% RQD=25% 16.25
			R13	CR=41% RQD=13% 17.00
17.00m. 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. Moderately to slightly weathered, reddish grey to light yellowish grey, highly to moderately fractured rock.			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. Completely weathered, coarse grianed, decomposed & disintegrated rock particle collected as sludge. Obs. mica.		52 Refusal 3.0 cm Pentn. 50 Refusal 3.0 cm Pentn.	R28 DS-7 *SPT-7 R29 DS-8 *SPT-8 R30	CR=NIL RQD=NIL 28.25 28.25-28.28 CR=NIL RQD=NIL 29.00 29.00-29.03 CR=NIL 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 : 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
Penetrometer (SPT)	8	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	8
		Disturbed (DS)	8
Vane (V)		Water Sample (WS)	0

Commencement Date : 29/09/15
Completion Date : 02/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 145.36 m.
Water Struck At :
Standing Water Level : 2.2 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m Brownish grey, silty clay. Obs. calcareous nodules. 0.50m			DS-1	0.50
Stiff, deep brownish grey, brownish grey, silty clay. Obs. kankars & sand mixture.		4 6 7 (13)	SPT-1	1.00-1.45
			DS-2	1.75
			UDS-1	2.00-2.45
2.80m			DS-3	2.80
Hard, reddish grey to deep grey, silty clay with sand. Obs. calcareous nodules.		7 17 35 (52)	SPT-2	3.00-3.45
			DS-4	3.75
			*UDS-2	4.00-4.08
		22 42 50 (≥100) 8.0 cm Pentn.	SPT-3	4.50-4.88
5.00m Hard, reddish grey to deep grey, silty clay with sand mixture.		(≥100) 30 50 5.0 cm Pentn.	DS-5 SPT-4	5.40 6.00-6.20
6.25m		50 (≥100) 8.0 cm Pentn.	SPT-5 R1	6.25-6.33 CR=38% RQD=NIL
		NX rotary drilling from 6.25m to 30.00m	R2	7.00 CR=35% RQD=NIL
			R3	7.75 CR=48% RQD=NIL
			R4	8.50 CR=43% RQD=NIL
			R5	9.25 CR=41% RQD=NIL
Highly to moderately weathered, deep grey to reddish grey, medium grained, fractured rock.			R6	10.00 CR=48% RQD=NIL
			R7	10.75 CR=41% RQD=NIL
			R8	11.50 CR=43% RQD=NIL
			R9	12.25 CR=45% RQD=NIL
			R10	13.00 CR=29% RQD=NIL
			R11	13.75 CR=31% RQD=NIL
14.50m Compppletely weathered, medium grained, decomposed & disintegrated rock particles collected as sludge.		Refusal	R12 DS-6	14.50 CR=NIL RQD=NIL
15.50m		52 3.0 cm Pentn.	*SPT-6	15.25-15.28 15.25

BH-45/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 : 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
Penetrometer (SPT)	8	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	8
		Disturbed (DS)	8
Vane (V)		Water Sample (WS)	0

Commencement Date : 29/09/15
Completion Date : 02/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 145.36 m.
Water Struck At :
Standing Water Level : 2.2 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m. Compppletely weathered, medium grained, decomposed & disintegrated rock particles collected as sludge.		Refusal 58 / 4.0 cm Penth.	R13 DS-7 *SPT-7	CR=NIL RQD=NIL 16.00-16.04
16.75m. Highly to moderately weathered, light yellowish grey to reddish grey, medium to fine grained, highly to moderately fractured rock.		Refusal 56 / 3.0 cm Penth.	R14 DS-8 *SPT-8	CR=NIL RQD=NIL 16.75-16.78
			R15	CR=32% RQD=NIL 17.50
			R16	CR=40% RQD=NIL 18.25
			R17	CR=42% RQD=NIL 19.00
19.00m. Moderately weathered, light yellowish grey to reddish grey, medium to fine grained, highly to moderately fractured rock.			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
22.00m. Moderately weathered, light yellowish grey to reddish grey, medium to fine grained, highly to moderately fractured rock.			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
27.25m. Moderately weathered, light yellowish grey to reddish grey, medium to fine grained, highly to moderately fractured rock.			R29	CR=51% RQD=13% 28.00
			R30	CR=60% RQD=38% 28.75
			R31	CR=58% RQD=22% 29.50
30.00m.			R32	CR=60% RQD=28% 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 : 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
Penetrometer (SPT)	12	Undisturbed (UDS)	3
Cone (Pc)		Penetrometer (SPT)	12
Vane (V)		Disturbed (DS)	13
		Water Sample (WS)	0

Commencement Date : 21/09/15
Completion Date : 23/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 145.741 m.
Water Struck At :
Standing Water Level : 3.25 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Medium dense, yellowish grey to whitish grey, silty sand. Obs. rusty spots.			DS-1	0.50
0.80m		4 4 7 (11)	SPT-1	1.00-1.45
			DS-2	1.70
			UDS-1	2.00-2.45
Stiff to very stiff, light grey to greyish brown, silty clay. Obs. sand mixture.			DS-3	2.80
		4 7 10 (17)	SPT-2	3.00-3.45
			DS-4	3.75
			UDS-2	4.00-4.45
4.75m			DS-5	4.75
Medium dense, brownish grey to grey, silty sand. Obs. calcareous nodules & kankars.		5 7 8 (15)	SPT-3	5.00-5.45
			DS-6	5.70
			*UDS-3	6.00-6.08
6.50m		12 32 50 (>100) 5.0 cm Pentn.	SPT-4	6.50-6.85
		14 35 50 (>100) 5.0 cm Pentn.	SPT-5	7.00-7.35
			DS-7	7.75
Very dense, brownish grey to grey, silty sand. Obs. calcareous nodules & kankars.		47 50 (>100) 13.0 cm Pentn.	SPT-6	8.00-8.28
			DS-8	8.75
		53 (>100) 13.0 cm Pentn.	SPT-7	9.00-9.13
9.40m				
Very dense, brownish grey, silty medium to coarse grained sand. Obs. mica.			DS-9	9.70
10.00m		52 (>100) 12.0 cm Pentn.	SPT-8	10.00-10.12
			R1	CR=36% RQD=13% 10.00-10.75
		NX rotary drilling from 10.00m to 25.00m	R2	CR=43% RQD=25% 10.75-11.50
Highly to moderately weathered, whitish grey, medium to coarse grained, highly fractured rock.			R3	CR=41% RQD=NIL 11.50-12.25
			R4	CR=29% RQD=NIL 12.25-13.00
13.00m				

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. 46

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	12	Undisturbed (UDS)	3
Cone (Pc)		Penetrometer (SPT)	12
Vane (V)		Disturbed (DS)	13
		Water Sample (WS)	0

Commencement Date : 21/09/15
Completion Date : 23/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 145.741 m.
Water Struck At :
Standing Water Level : 3.25 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
13.00m.				
Highly to moderately weathered, whitish grey, medium to coarse grained, highly fractured rock.			R5	CR=49% RQD=29% 13.75
			R6	CR=28% RQD=NIL 14.50
14.50m.			R7	CR=NIL RQD=NIL
Completely weathered, decomposed & disintegrated rock particles as sludge. Obs. mica.		52 ≥100 12.0 cm Pentn.	DS-10 SPT-9	15.25-15.37 15.25
		50 ≥100 10.0 cm Pentn.	R8 DS-11 SPT-10	CR=NIL RQD=NIL 16.00-16.10 16.00
		53 ≥100 8.0 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
			R11	CR=52% RQD=NIL 18.25
			R12	CR=48% RQD=NIL 19.00
Moderately weathered, yellowish grey, medium grained, highly to moderately fractured rock.			R13	CR=46% RQD=NIL 19.75
			R14	CR=45% RQD=20% 20.50
			R15	CR=52% RQD=20% 21.25
21.25m.			R16	CR=67% RQD=13% 22.00
			R17	CR=80% RQD=20% 22.75
Slightly weathered, deep grey, medium to fine grained, moderately fractured rock.			R18	CR=67% RQD=59% 23.50
			R19	CR=69% RQD=49% 24.25
			R20	CR=61% RQD=15% 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 : 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
Penetrometer (SPT)	6	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	6
		Disturbed (DS)	8
Vane (V)		Water Sample (WS)	0

Commencement Date : 25/09/15
Completion Date : 28/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 145.862 m.
Water Struck At :
Standing Water Level : 3.1 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Yellowish grey, silty sand / sandy silt with calcareous nodules.			DS-1	0.50
0.50m		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
3.00m		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
5.00m		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) 12.0 cm Pentn.	SPT-4	6.00-6.42
			DS-7	6.75
		53 52 (>100) 14.0 cm Pentn.	SPT-5	7.00-7.29
7.70m			DS-8	7.70
		52 50 (>100) 10.0 cm Pentn.	SPT-6	8.00-8.25
			R1	CR=33% RQD=NIL 8.00
		NX rotary drilling from 8.00m to 25.00m	R2	CR=31% RQD=NIL 8.75
			R3	CR=29% RQD=NIL 9.50
Highly weathered, brownish grey, fine grained, highly fractured rock.			R4	CR=33% RQD=NIL 10.25
			R5	CR=24% RQD=NIL 11.00
			R6	CR=24% RQD=NIL 11.75
			R7	CR=27% RQD=NIL 12.50
13.00m				

BH-47/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 : 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
Penetrometer (SPT)	6	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	6
Vane (V)		Disturbed (DS)	8
		Water Sample (WS)	0

Commencement Date : 25/09/15
Completion Date : 28/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 145.862 m.
Water Struck At :
Standing Water Level : 3.1 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
13.00m.				13.25
			R8 CR=33% RQD=NIL	14.00
			R9 CR=40% RQD=NIL	14.75
			R10 CR=31% RQD=NIL	15.50
			R11 CR=27% RQD=NIL	16.25
Highly weathered, brownish grey, fine grained, highly fractured rock.			R12 CR=32% RQD=NIL	17.00
			R13 CR=35% RQD=NIL	17.75
			R14 CR=25% RQD=NIL	18.50
			R15 CR=29% RQD=NIL	19.25
			R16 CR=33% RQD=NIL	20.00
20.00m.				
Slightly weathered, reddish brown, fine grained, highly fractured rock.			R17 CR=68% RQD=37%	20.75
20.75m.				
			R18 CR=43% RQD=NIL	21.50
			R19 CR=43% RQD=NIL	22.25
Highly to moderately weathered, reddish brown, fine grained, highly fractured rock.			R20 CR=47% RQD=13%	23.00
			R21 CR=47% RQD=14%	23.75
			R22 CR=49% RQD=NIL	24.50
			R23 CR=59% RQD=13%	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 : 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
Penetrometer (SPT)	10	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	10
		Disturbed (DS)	12
Vane (V)		Water Sample (WS)	0

Commencement Date : 18/09/15
Completion Date : 21/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 145.924 m.
Water Struck At :
Standing Water Level : 3.1 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES 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
			SPT-1	1.00-1.45
			DS-2	1.75
2.10m			UDS-1	2.00-2.45
Very stiff, whitish grey to yellowish grey, silty clay. Obs. gravels & kankars.		5 10 11 — 21	DS-3	2.75
			SPT-2	3.00-3.45
			DS-4	3.70
4.50m			UDS-2	4.00-4.45
Hard, whitish grey to yellowish grey, silty clay.		15 24 35 — 59	DS-5	4.80
			SPT-3	5.00-5.45
		15 33 47 — 80	DS-6	5.70
			SPT-4	6.00-6.45
		21 40 50 — >100	DS-7	6.75
7.50m		11.0 cm Pentn.	SPT-5	7.00-7.41
Hard, dark grey to yellowish grey, silty clay with decomposed rock.		32 50 — >100	DS-8	7.80
		8.0 cm Pentn.	SPT-6	8.00-8.23
		>100	DS-9	8.60
9.00m		50	SPT-7	9.00-9.12
		12.0 cm Pentn.	R1	CR=44% RQD=NIL — 9.00 / 9.75
Moderately weathered, light dark grey to yellowish grey, medium to coarse grained rock.			R2	CR=48% RQD=NIL — 9.75 / 10.50
			R3	CR=60% RQD=20% — 10.50 / 11.25
			R4	CR=40% RQD=19% — 11.25 / 12.00
			R5	CR=52% RQD=NIL — 12.00 / 12.75
			R6	CR=57% RQD=NIL — 12.75 / 13.50
			R7	CR=42% RQD=NIL — 13.50 / 14.25
			R8	CR=47% RQD=NIL — 14.25 / 15.00
15.50m			R9	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
Penetrometer (SPT)	10	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	10
		Disturbed (DS)	12
Vane (V)		Water Sample (WS)	0

Commencement Date : 18/09/15
Completion Date : 21/09/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 145.924 m.
Water Struck At :
Standing Water Level : 3.1 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m / 15.75m				15.75
Moderately weathered, light dark grey to yellowish grey, medium to coarse grained rock.			R10 CR=56% RQD=45%	16.50
16.50m			R11 CR=33% RQD=13%	17.25
Moderately weathered, yellowish grey to light grey, medium to fine grained rock.			R12 CR=35% RQD=13%	18.00
			R13 CR=33% RQD=NIL	18.75
Highly weathered, yellowish grey to light grey, medium to fine grained rock.			R14 CR=27% RQD=NIL	19.50
			R15 CR=33% RQD=NIL	20.25
20.25m			R16 CR=43% RQD=21%	21.00
Highly to moderately weathered, yellowish grey, medium to fine grained rock.			R17 CR=36% RQD=21%	21.75
21.75m			R18 CR=NIL RQD=NIL	
		Refusal	DS-10	
		52	*SPT-8	22.50-22.53 22.50
		3.0 cm Penth.	R19 CR=NIL RQD=NIL	
Completely weathered, decomposed & disintegrated rock particle collected as sludge. Obs. mica.		Refusal	DS-11	
		50	*SPT-9	23.25-23.27 23.25
		2.0 cm Penth.	R20 CR=NIL RQD=NIL	
		Refusal	DS-12	
		51	*SPT-10	24.00-24.03 24.00
		3.0 cm Penth.	R21 CR=NIL RQD=NIL	
25.00m				25.00

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 : 31/10/2015	Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. 49

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	5	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	5
		Disturbed (DS)	5
Vane (V)		Water Sample (WS)	1

Commencement Date : 19/10/15
Completion Date : 23/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 141.873 m.
Water Struck At :
Standing Water Level : 1.55 m.

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

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. 49

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	5	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	5
Vane (V)		Disturbed (DS)	5
		Water Sample (WS)	1

Commencement Date : 19/10/15
Completion Date : 23/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 141.873 m.
Water Struck At :
Standing Water Level : 1.55 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
13.00m. Highly weathered, yellowish grey, coarse grained, fracturd 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
Moderately to slightly weathered, blackish grey to brownish grey, fine grained, fractured rock.			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
Penetrometer (SPT)	5	Undisturbed (UDS)	1
Cone (Pc)		Penetrometer (SPT)	5
Vane (V)		Disturbed (DS)	4
		Water Sample (WS)	0

Commencement Date : 17/10/15
Completion Date : 19/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.614 m.
Water Struck At :
Standing Water Level : 3.2 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Very stiff, blackish grey, silty clay with traces of calcareous nodules.		7 7 9 16	DS-1	0.50
			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 72 100/10.0 cm Pentn.	SPT-3	4.50-4.90
			DS-4	5.30
		59 100/10.0 cm Pentn.	SPT-4	5.50-5.75
6.30m				
Highly weathered, brownish grey to greyish brown, medium to coarse grained, fractured rock.		100/8.0 cm Pentn.	SPT-5	6.30-6.38
		NX rotary drilling from 6.30m to 25.00m	R1	CR=31% RQD=NIL 6.30 - 7.00
			R2	CR=25% RQD=NIL 7.00 - 7.75
			R3	CR=21% RQD=NIL 7.75 - 8.50
			R4	CR=25% RQD=NIL 8.50 - 9.25
			R5	CR=26% RQD=NIL 9.25 - 10.00
			R6	CR=18% RQD=NIL 10.00 - 10.75
			R7	CR=16% RQD=NIL 10.75 - 11.50
			R8	CR=32% RQD=26% 11.50 - 12.25
			R9	CR=33% RQD=NIL 12.25 - 13.00
13.00m				

BH-50/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 : 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
Penetrometer (SPT)	5	Undisturbed (UDS)	1
Cone (Pc)		Penetrometer (SPT)	5
Vane (V)		Disturbed (DS)	4
		Water Sample (WS)	0

Commencement Date : 17/10/15
Completion Date : 19/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.614 m.
Water Struck At :
Standing Water Level : 3.2 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
13.00m.				
			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
Highly weathered, brownish grey to greyish brown, medium to coarse grained, fractured rock.			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
20.50m.				20.50
			R20	CR=42% RQD=NIL
				21.25
Highly to moderately weathered, brownish grey, medium grained, fractured rock.			R21	CR=33% RQD=NIL
				22.00
			R22	CR=49% RQD=NIL
22.75m.				22.75
			R23	CR=65% RQD=NIL
				23.50
Moderately weathered, brownish grey, medium grained, fractured rock.			R24	CR=52% RQD=NIL
				24.25
			R25	CR=53% RQD=NIL
25.00m.				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
Penetrometer (SPT)	5	Undisturbed (UDS)	3
Cone (Pc)		Penetrometer (SPT)	5
Vane (V)		Disturbed (DS)	8
		Water Sample (WS)	0

Commencement Date : 24/11/15
Completion Date : 30/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 139.013 m.
Water Struck At :
Standing Water Level : 2.1 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Stiff, light brownish yellow, silty clay. Obs. sand mixture.		4 6 7 (13)	DS-1	0.50
			SPT-1	1.00-1.45
1.85m			DS-2	1.75
			UDS-1	2.00-2.45
Medium, blackish grey to brownish grey, silty clay. Obs. calcareous nodules & sand mixture.		3 3 4 (7)	DS-3	2.75
			SPT-2	3.00-3.45
			DS-4	3.75
			UDS-2	4.00-4.45
4.75m			DS-5	4.75
Very stiff, blackish grey to brownish grey, silty clay. Obs. calcareous nodules & sand mixture.		6 7 9 (16)	SPT-3	5.00-5.45
			DS-6	5.75
			UDS-3	6.00-6.45
6.70m			DS-7	6.70
Very dense, brownish yellow, silty sand with decomposed rock.		100 (>100) 13.0 cm Pentn. Refusal	SPT-4	7.00-7.13
			DS-8	7.50
8.00m			*SPT-5	8.00-8.03
Highly weathered, light yellowish brown, fine to medium grained rock.		100 3.0 cm Pentn.	R1	CR=24% RQD=NIL 8.00
8.75m			R2	CR=36% RQD=NIL 8.75
		NX rotary drilling from 8.00m to 30.00m	R3	CR=34% RQD=NIL 9.50
			R4	CR=36% RQD=NIL 10.25
			R5	CR=38% RQD=NIL 11.00
Highly weathered, brownish yellow to yellowish brown, fine to medium grained fractured rock.			R6	CR=43% RQD=NIL 11.75
			R7	CR=32% RQD=NIL 12.50
			R8	CR=31% RQD=NIL 13.25
			R9	CR=35% RQD=NIL 14.00
			R10	CR=31% RQD=NIL 14.75
15.50m				15.50

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
Penetrometer (SPT)	5	Undisturbed (UDS)	3
Cone (Pc)		Penetrometer (SPT)	5
Vane (V)		Disturbed (DS)	8
		Water Sample (WS)	0

Commencement Date : 24/11/15
Completion Date : 30/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 139.013 m.
Water Struck At :
Standing Water Level : 2.1 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES 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			R15	CR=27% RQD=NIL 19.25
Highly weathered, brownish yellow to greyish brown, fine grained rock.			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
24.50m			R22	CR=32% RQD=NIL 24.50
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
Penetrometer (SPT)	6	Undisturbed (UDS)	3
Cone (Pc)		Penetrometer (SPT)	6
Vane (V)		Disturbed (DS)	9
		Water Sample (WS)	0

Commencement Date : 21/11/15
Completion Date : 24/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 139.209 m.
Water Struck At :
Standing Water Level : 2.4 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES 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
			DS-3	2.70
		4 4 5 (9)	SPT-2	3.00-3.45
Stiff to very stiff, blackish grey, silty clay.			DS-4	3.70
			UDS-2	4.00-4.45
			DS-5	4.75
		6 8 10 (18)	SPT-3	5.00-5.45
			DS-6	5.70
			UDS-3	6.00-6.45
6.75m.			DS-7	6.75
		21 29 44 (73)	SPT-4	7.00-7.45
Hard, brownish yellow, silty clay with sand mixture.			DS-8	7.75
		52 100/5.0 cm Pentn. (>100)	SPT-5	8.00-8.20
8.50m.		100/6.0 cm Pentn. Refusal	*SPT-6	8.50-8.56
Highly weathered, light yellowish brown, medium to coarse grained rock.			R1	8.50 CR=28% RQD=13% 9.25
			R2	CR=36% RQD=NIL 10.00
			R3	CR=32% RQD=NIL 10.75
			R4	CR=31% RQD=NIL 11.50
			R5	CR=36% RQD=NIL 12.25
			R6	CR=32% RQD=13% 13.00
			R7	CR=38% RQD=NIL 13.75
			R8	CR=34% RQD=NIL 14.50
15.50m.			R9	CR=36% RQD=NIL 15.25

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
Penetrometer (SPT)	6	Undisturbed (UDS)	3
Cone (Pc)		Penetrometer (SPT)	6
Vane (V)		Disturbed (DS)	8
		Water Sample (WS)	0

Commencement Date : 21/11/15
Completion Date : 24/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 139.209 m.
Water Struck At :
Standing Water Level : 2.4 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m.				
Highly weathered, light yellowish brown, medium to coarse grained rock.			R10	CR=32% RQD=NIL 16.00
			R11	CR=36% RQD=NIL 16.75
			R12	CR=33% RQD=15% 17.50
			R13	CR=26% RQD=NIL 18.25
			R14	CR=28% RQD=17% 19.00
19.00m.			R15	CR=36% RQD=NIL 19.75
			R16	CR=28% RQD=NIL 20.50
Highly to moderately weathered, light yellowish grey, medium to fine grained, highly fractured rock.			R17	CR=39% RQD=NIL 21.25
			R18	CR=40% RQD=NIL 22.00
			R19	CR=36% RQD=NIL 22.75
			R20	CR=43% RQD=NIL 23.50
			R21	CR=44% RQD=28% 24.25
24.25m.			R22	CR=36% RQD=13% 25.00
			R23	CR=33% RQD=NIL 25.75
			R24	CR=32% RQD=NIL 26.50
Highly weathered, blackish grey, medium grained, highly fractured rock.			R25	CR=40% RQD=36% 27.25
			R26	CR=28% RQD=NIL 28.00
			R27	CR=32% RQD=NIL 28.75
			R28	CR=28% RQD=NIL 29.50
30.00m.			R29	CR=26% 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-03

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	14	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	14
		Disturbed (DS)	15
Vane (V)		Water Sample (WS)	1

Commencement Date : 21/11/15
Completion Date : 27/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.607 m.
Water Struck At :
Standing Water Level : 3.0 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Stiff, brownish grey, silty clay with sand mixture & kankars.		3 4 7 (11)	DS-1	0.50
			SPT-1	1.00-1.45
			DS-2	1.60
2.00m				
Stiff, brownish grey, silty clay. Obs. calcareous nodules.		6 4 5 (9)	UDS-1	2.00-2.45
			DS-3	2.70
			WS-1	3.00
			SPT-2	3.00-3.45
			DS-4	3.50
4.50m				
Hard, brownish grey, silty clay. Obs. calcareous nodules.		14 18 21 (39)	UDS-2	4.00-4.45
			DS-5	4.50
			SPT-3	5.00-5.45
			DS-6	5.50
		25 38 45 (83)	SPT-4	6.00-6.45
6.50m				
Very dense, brownish grey, silty sand.		32 65 100 (>100) 7.0 cm Pentn.	DS-7	6.70
			SPT-5	7.00-7.37
			DS-8	7.60
		53 100 (>100) 11.0 cm Pentn.	SPT-6	8.00-8.26
			DS-9	8.50
		100 (>100) 10.0 cm Pentn.	SPT-7	9.00-9.10
9.50m		100 Refusal 3.0 cm Pentn.	*SPT-8	9.50-9.53 9.50
			R1	CR=NIL RQD=NIL
		100 Refusal 2.0 cm Pentn.	DS-10	
			*SPT-9	10.25-10.27 10.25
			R2	CR=NIL RQD=NIL
Completely weathered, yellowish brown, collected as sludge.		100 Refusal 3.0 cm Pentn.	DS-11	
			*SPT-10	11.00-11.03 11.00
			R3	CR=NIL RQD=NIL
		100 Refusal 4.0 cm Pentn.	DS-12	
			*SPT-11	11.75-11.79 11.75
			R4	CR=NIL RQD=NIL
12.50m		100 Refusal 3.0 cm Pentn.	DS-13	
			*SPT-12	12.50-12.53 12.50
			R5	CR=28% RQD=NIL 13.25
Highly weathered, light brownish yellow, medium to coarse grained rock.		NX rotary drilling from 9.50m to 30.00m	R6	CR=30% RQD=NIL 14.00
			R7	CR=32% RQD=NIL 14.75
			R8	CR=34% RQD=NIL 15.50
15.50m				

BH-3/Sheet-1

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
Penetrometer (SPT)	14	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	14
		Disturbed (DS)	15
Vane (V)		Water Sample (WS)	1

Commencement Date : 21/11/15
Completion Date : 27/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.607 m.
Water Struck At :
Standing Water Level : 3.0 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	Depth (m)
15.50m.				
Highly weathered, light brownish yellow, medium to coarse grained rock.			R9	CR=32% RQD=NIL 16.25
			R10	CR=28% RQD=13% 17.00
			R11	CR=30% RQD=17% 17.75
			R12	CR=34% RQD=NIL 18.50
18.50m.			R13	CR=36% RQD=NIL 19.25
Highly weathered, brownish grey, fine to medium grained rock.			R14	CR=38% RQD=NIL 20.00
			R15	CR=36% RQD=NIL 20.75
			R16	CR=32% RQD=NIL 21.50
21.50m.			R17	CR=NIL RQD=NIL
Completely weathered, yellowish brown, collected as sludge.		Refusal 100 3.0 cm Pentn.	DS-14 *SPT-13	22.25-22.28 22.25
		Refusal	R18	CR=NIL RQD=NIL
23.00m.		100 2.0 cm Pentn.	DS-15 *SPT-14	23.00-23.02 23.00
			R19	CR=34% RQD=13% 23.75
			R20	CR=28% RQD=NIL 24.50
			R21	CR=31% RQD=NIL 25.25
			R22	CR=38% RQD=21% 26.00
Highly weathered, brownish yellow to yellowish brown, fine to medium grained rock.			R23	CR=36% RQD=NIL 26.75
			R24	CR=40% RQD=NIL 27.50
			R25	CR=36% RQD=NIL 28.25
			R26	CR=32% RQD=NIL 29.00
			R27	CR=39% 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-04

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	5	Undisturbed (UDS)	3
Cone (Pc)		Penetrometer (SPT)	5
Vane (V)		Disturbed (DS)	9
		Water Sample (WS)	0

Commencement Date : 01/12/15
Completion Date : 03/12/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 143.88 m.
Water Struck At :
Standing Water Level : 3.8 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Medium, brownish grey to blackish grey, silty clay. Obs. sand mixture.		2 3 4 — 7	DS-1	0.50
			SPT-1	1.00-1.45
			DS-2	1.80
			UDS-1	2.00-2.45
2.80m			DS-3	2.80
Stiff to very stiff, brownish grey to blackish grey, silty clay. Obs. sand mixture.		3 6 7 — 13	SPT-2	3.00-3.45
			DS-4	3.80
			UDS-2	4.00-4.45
			DS-5	4.80
		16 12 16 — 28	SPT-3	5.00-5.45
			DS-6	5.80
			UDS-3	6.00-6.45
6.80m			DS-7	6.80
Very dense, yellowish brown, silty sand with decomposed rock.		53 100 — >100 (7.0 cm Pentn. Refusal)	SPT-4	7.00-7.22
			DS-8	7.50
8.00m		100 — (3.0 cm Pentn.)	*SPT-5	8.00-8.03
Highly to moderately weathered, yellowish brown, fine to medium grained, fractured rock.			R1	8.00 CR=32% RQD=NIL 8.75
			R2	CR=40% RQD=17% 9.50
			R3	CR=36% RQD=NIL 10.25
			R4	CR=35% RQD=25% 11.00
			R5	CR=48% RQD=35% 11.75
			R6	CR=24% RQD=NIL 12.50
			R7	CR=22% RQD=12% 13.25
			R8	CR=40% RQD=16% 14.00
			R9	CR=36% RQD=NIL 14.75
15.50m			R10	CR=37% RQD=20%

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
Penetrometer (SPT)	5	Undisturbed (UDS)	3
Cone (Pc)		Penetrometer (SPT)	5
Vane (V)		Disturbed (DS)	9
		Water Sample (WS)	0

Commencement Date : 01/12/15
Completion Date : 03/12/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 143.88 m.
Water Struck At :
Standing Water Level : 3.8 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m.				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
Highly to moderately weathered, yellowish brown, fine to medium grained, fractured rock.			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
30.00m.				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 : 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
Penetrometer (SPT)	15	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	15
Vane (V)		Disturbed (DS)	16
		Water Sample (WS)	0

Commencement Date : 20/11/15
Completion Date : 22/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.813 m.
Water Struck At :
Standing Water Level : 2.6 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES 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			UDS-1	2.00-2.45
Hard, deep grey, silty clay.		11 18 17 — 35	DS-3	2.70
			SPT-2	3.00-3.45
			DS-4	3.60
4.00m				
Brownish grey, silty sand.			*UDS-2	4.00-4.45
			DS-5	4.70
5.00m		15 21 27 — 48	SPT-3	5.00-5.45
Hard, brownish yellow, silty clay with sand & calcareous nodules.			DS-6	5.60
		20 35 100 — >100	SPT-4	6.00-6.40
		10.0 cm Pentn.	DS-7	6.60
7.00m		100 — Refusal	*SPT-5	7.00-7.04 7.00
		4.0 cm Pentn.	R1	CR=NIL RQD=NIL
		100 — Refusal	DS-8	
		2.0 cm Pentn.	*SPT-6	7.75-7.77 7.75
		100 — Refusal	R2	CR=NIL RQD=NIL
Completely weathered, decomposed & disintegrated rock particles collected as sludge.			DS-9	
		3.0 cm Pentn.	*SPT-7	8.50-8.53 8.50
		100 — Refusal	R3	CR=NIL RQD=NIL
			DS-10	
		3.0 cm Pentn.	*SPT-8	9.25-9.28 9.25
		100	R4	CR=24% RQD=NIL
10.00m				10.00
		NX rotary drilling from 7.00m to 30.00m	R5	CR=32% RQD=NIL
				10.75
			R6	CR=28% RQD=NIL
				11.50
			R7	CR=21% RQD=NIL
				12.25
Highly weathered, brownish yellow, medium to fine grained, highly fractured rock.			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%
15.50m				15.25

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
Penetrometer (SPT)	15	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	15
		Disturbed (DS)	16
Vane (V)		Water Sample (WS)	0

Commencement Date : 20/11/15
Completion Date : 22/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.813 m.
Water Struck At :
Standing Water Level : 2.6 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	Depth (m)
15.50m.			R12	CR=21% RQD=NIL 16.00
			R13	CR=22% RQD=NIL 16.75
			R14	CR=25% RQD=NIL 17.50
Highly weathered, brownish yellow, medium to fine grained, highly fractured rock.			R15	CR=24% RQD=NIL 18.25
			R16	CR=28% RQD=NIL 19.00
			R17	CR=28% RQD=NIL 19.75
			R18	CR=25% RQD=NIL 20.50
			R19	CR=21% RQD=NIL 21.25
21.25m.			R20	CR=26% RQD=NIL 22.00
Highly weathered, greyish yellow, medium to fine grained, decomposed & highly fractured rock.		Refusal	R21	CR=33% RQD=13%
22.75m.		100	*SPT-9	22.75-22.77 22.75
		2.0 cm Pentn.	R22	CR=NIL RQD=NIL
		Refusal	DS-11	
		100	*SPT-10	23.50-23.53 23.50
Completely to highly weathered, greyish, yellow, medium to fine grained, decomposed & highly fractured rock.		3.0 cm Pentn.	R23	CR=NIL RQD=NIL
		Refusal	DS-12	
		100	*SPT-11	24.25-24.27 24.25
		2.0 cm Pentn.	R24	CR=NIL RQD=NIL
		Refusal	DS-13	
		100	*SPT-12	25.00-25.03 25.00
		3.0 cm Pentn.	R25	CR=26% RQD=16% 25.75
25.75m.			R26	CR=NIL RQD=NIL
		Refusal	DS-14	
		100	*SPT-13	26.50-26.52 26.50
Completely weathered, greyish yellow, fine to medium grained, completely fractured rock.		2.0 cm Pentn.	R27	CR=NIL RQD=NIL
		Refusal	DS-15	
		100	*SPT-14	27.25-27.28 27.25
		3.0 cm Pentn.	R28	CR=NIL RQD=NIL
		Refusal	DS-16	
28.00m.		100	*SPT-15	28.00-28.03 28.00
		3.0 cm Pentn.	R29	CR=52% RQD=48% 28.75
Highly to moderately weathered, greyish yellow, fine to medium grained, completely fractured rock.			R30	CR=40% RQD=NIL 29.50
			R31	CR=45% RQD=26% 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 : 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
Penetrometer (SPT)	9	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	9
Vane (V)		Disturbed (DS)	7
		Water Sample (WS)	0

Commencement Date : 12/11/15
Completion Date : 14/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.39 m.
Water Struck At :
Standing Water Level : 5.0 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Very stiff, brownish grey to greyish brown, silty clay with sand mixture. Obs. calcareous nodules.		8 9 11 (20)	DS-1	0.50
			SPT-1	1.00-1.45
			DS-2	1.60
			UDS-1	2.00-2.45
			DS-3	2.60
		10 10 19 (29)	SPT-2	3.00-3.45
			DS-4	3.60
4.45m			*UDS-2	4.00-4.45
			DS-5	4.60
Hard, brownish grey to greyish brown, clayey silt with sand mixture. Obs. calcareous nodules.		15 20 25 (45)	SPT-3	5.00-5.45
			DS-6	5.60
		59 100 (>100)	SPT-4	6.00-6.24
		9.0 cm Pentn. Refusal	DS-7	6.50
		100 5.0 cm Pentn. Refusal	*SPT-5	7.00-7.05
7.75m		100 3.0 cm Pentn. Refusal	*SPT-6	7.75-7.78
			R1	CR=32% RQD=NIL 7.75 - 8.50
			R2	CR=20% RQD=NIL
		100 5.0 cm Pentn. Refusal	*SPT-7	9.25-9.30
			R3	CR=17% RQD=NIL 9.25 - 10.00
		100 4.0 cm Pentn. Refusal	*SPT-8	10.00-10.04
Completely to highly weathered, brownish grey, fine to medium grained rock.		NX rotary drilling from 7.75m to 30.00m	R4	CR=18% RQD=NIL
			R5	CR=29% RQD=NIL 10.75 - 11.50
			R6	CR=17% RQD=NIL
		100 4.0 cm Pentn. Refusal	*SPT-9	12.25-12.29
			R7	CR=22% RQD=NIL 12.25 - 13.00
13.00m			R8	CR=48% RQD=NIL
Highly to moderately weathered, brownish grey, fine grained rock. Obs. rusty spots.			R9	CR=29% RQD=NIL 13.75 - 14.50
Highly to moderately weathered, brownish grey to blackish grey, medium to coarse grained rock.			R10	CR=32% RQD=NIL 14.50 - 15.25
15.25m 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 : 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
Penetrometer (SPT)	9	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	9
Vane (V)		Disturbed (DS)	7
		Water Sample (WS)	0

Commencement Date : 12/11/15
Completion Date : 14/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.39 m.
Water Struck At :
Standing Water Level : 5.0 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m.			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
Highly to moderately weathered, brownish grey to blackish grey, medium to coarse grained rock.			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
25.00m.			R24	CR=50% RQD=17% 25.75
Moderately to slightly weathered, brownish grey, fine grained shale. Obs. laminated sandstone.			R25	CR=46% RQD=NIL 26.50
26.50m.			R26	CR=70% RQD=29% 27.50
			R27	CR=40% RQD=NIL 28.00
Moderately weathered, brownish grey to blackish grey, fine to medium grained rock.			R28	CR=56% RQD=38% 28.75
			R29	CR=57% RQD=NIL 29.50
30.00m.			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
Penetrometer (SPT)	7	Undisturbed (UDS)	1
Cone (Pc)		Penetrometer (SPT)	7
Vane (V)		Disturbed (DS)	8
		Water Sample (WS)	0

Commencement Date : 18/11/15
Completion Date : 19/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.298 m.
Water Struck At :
Standing Water Level : 2.4 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m Brownish grey, silty clay with kankars.				
			DS-1	0.50
0.70m Stiff, brownish grey to yellowish brown, silty clay with sand & calcareous nodules.		4 6 8 — 14	SPT-1	1.00-1.45
			DS-2	1.60
			UDS-1	2.00-2.45
2.70m Hard, brownish grey to yellowish brown, silty clay with sand & calcareous nodules.			DS-3	2.70
		9 22 29 — 51	SPT-2	3.00-3.45
			DS-4	3.60
		12 20 27 — 47	SPT-3	4.00-4.45
			DS-5	4.70
		24 37 52 — 89	SPT-4	5.00-5.45
			DS-6	5.60
		19 42 48 — 90	SPT-5	6.00-6.45
6.50m Hard, brownish yellow, silty clay with sand mixture & calcareous nodules.			DS-7	6.70
		48 100 — >100 10.0 cm Pentn.	SPT-6	7.00-7.25
			DS-8	7.70
8.00m		100 — Refusal 4.0 cm Pentn.	*SPT-7	8.00-8.04
			R1	CR=25% RQD=NIL 8.00-8.75
			R2	CR=28% RQD=NIL 8.75-9.50
		NX rotary drilling from 8.00m to 30.00m	R3	CR=24% RQD=NIL 9.50-10.25
			R4	CR=32% RQD=NIL 10.25-11.00
Highly weathered, light brownish yellow, medium to fine grained, highly fractured rock.			R5	CR=25% RQD=NIL 11.00-11.75
			R6	CR=28% RQD=NIL 11.75-12.50
			R7	CR=26% RQD=NIL 12.50-13.25
			R8	CR=29% RQD=20% 13.25-14.00
			R9	CR=24% RQD=NIL 14.00-14.75
			R10	CR=32% RQD=20% 14.75-15.50
15.50m				

BH-8/Sheet-1

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
Penetrometer (SPT)	7	Undisturbed (UDS)	1
Cone (Pc)		Penetrometer (SPT)	7
Vane (V)		Disturbed (DS)	8
		Water Sample (WS)	0

Commencement Date : 18/11/15
Completion Date : 19/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.298 m.
Water Struck At :
Standing Water Level : 2.4 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m.				
			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
Highly weathered, light brownish yellow, medium to fine grained, highly fractured rock.			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
29.00m.				
Highly weathered, steel grey, medium to fine grained, highly fractured rock.			R29	CR=39% 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 : 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
Penetrometer (SPT)	5	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	5
		Disturbed (DS)	5
Vane (V)		Water Sample (WS)	0

Commencement Date : 17/11/15
Completion Date : 19/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.731 m.
Water Struck At :
Standing Water Level : 2.6 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m.				
Very stiff, blackish grey, silty clay.		11 13 17 — 30	DS-1	0.50
			SPT-1	1.00-1.45
			UDS-1	2.00-2.45
2.50m.			DS-2	2.60
Very stiff to hard, brownish grey, silty clay.		12 13 20 — 33	SPT-2	3.00-3.45
			*UDS-2	4.00-4.45
			DS-3	4.60
		7 9 15 — 24	SPT-3	5.00-5.45
5.70m.			DS-4	5.70
Very dense, light brownish yellow, silty sand / sandy silt.		26 42 100/7.0 cm Pentn. — >100	SPT-4	6.00-6.37
			DS-5	6.70
7.00m.		100/6.0 cm Pentn. — Refusal	*SPT-5	7.00-7.06
Highly weathered, light brownish yellow, medium to fine grained, highly fractured rock.		NX rotary drilling from 7.00m to 30.00m	R1	CR=22% RQD=NIL 7.00-7.75
			R2	CR=23% RQD=NIL 7.75-8.50
			R3	CR=24% RQD=NIL 8.50-9.25
			R4	CR=25% RQD=NIL 9.25-10.00
10.00m.			R5	CR=26% RQD=NIL 10.00-10.75
Highly weathered, light brownish yellow, medium to fine grained, highly fractured rock.			R6	CR=24% RQD=NIL 10.75-11.50
			R7	CR=27% RQD=13% 11.50-12.25
			R8	CR=23% RQD=NIL 12.25-13.00
			R9	CR=27% RQD=NIL 13.00-13.75
			R10	CR=26% RQD=NIL 13.75-14.50
			R11	CR=32% RQD=NIL 14.50-15.25
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 : 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
Penetrometer (SPT)	5	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	5
Vane (V)		Disturbed (DS)	5
		Water Sample (WS)	0

Commencement Date : 17/11/15
Completion Date : 19/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.731 m.
Water Struck At :
Standing Water Level : 2.6 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
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
Highly weathered, light brownish yellow, medium to fine grained, highly fractured rock.			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
			R26	CR=33% RQD=NIL 26.50
26.50m			R27	CR=40% RQD=23% 27.25
Moderately weathered, light brownish yellow, coarse grained, slightly fractured rock.			R28	CR=44% RQD=40% 28.00
			R29	CR=47% RQD=43% 28.75
28.75m			R30	CR=58% RQD=17% 29.50
Moderately weathered, light brownish yellow, coarse grained, slightly fractured rock.			R31	CR=54% 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 : 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
Penetrometer (SPT)	6	Undisturbed (UDS)	3
Cone (Pc)		Penetrometer (SPT)	6
Vane (V)		Disturbed (DS)	5
		Water Sample (WS)	0

Commencement Date : 23/11/15
Completion Date : 28/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.645 m.
Water Struck At :
Standing Water Level : 2.6 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
			DS-1	0.50
		3 6 8 — 14	SPT-1	1.00-1.45
Stiff to very stiff, brownish grey, silty clay.			UDS-1	2.00-2.45
			DS-2	2.60
		8 12 11 — 23	SPT-2	3.00-3.45
			UDS-2	4.00-4.45
4.50m			DS-3	4.70
		6 14 16 — 30	SPT-3	5.00-5.45
Medium dense, brownish grey, silty sand.			UDS-3	6.00-6.45
6.50m			DS-4	6.60
		15 19 27 — 46	SPT-4	7.00-7.45
Hard, brownish grey, silty clay with sand mixture.			DS-5	7.60
		57 100 — >100	SPT-5	8.00-8.19
8.50m		100 — 4.0 cm Pentn. Refusal	*SPT-6	8.50-8.54
		4.0 cm Pentn.	R1	CR=34% RQD=32% 9.25
		NX rotary drilling from 8.50m to 30.00m	R2	CR=26% RQD=NIL 10.00
			R3	CR=21% RQD=NIL 10.75
			R4	CR=28% RQD=NIL 11.50
Highly weathered, brownish yellow, medium to fine grained rock.			R5	CR=28% RQD=NIL 12.25
			R6	CR=22% RQD=NIL 13.00
			R7	CR=26% RQD=14% 13.75
			R8	CR=27% RQD=16% 14.50
			R9	CR=30% RQD=NIL 15.25
15.50m				

BH-10/Sheet-1

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
Penetrometer (SPT)	6	Undisturbed (UDS)	3
Cone (Pc)		Penetrometer (SPT)	6
Vane (V)		Disturbed (DS)	5
		Water Sample (WS)	0

Commencement Date : 23/11/15
Completion Date : 28/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.645 m.
Water Struck At :
Standing Water Level : 2.6 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m			R10	CR=26% RQD=NIL 16.00
Highly weathered, brownish yellow, medium to fine grained rock.			R11	CR=22% RQD=NIL 16.75
			R12	CR=28% RQD=NIL 17.50
			R13	CR=22% RQD=NIL 18.25
18.25m			R14	CR=32% RQD=NIL 19.00
Highly weathered, brownish yellow, fine to medium graned rock.			R15	CR=26% RQD=NIL 19.75
			R16	CR=28% RQD=NIL 20.50
20.50m			R17	CR=25% RQD=NIL 21.25
			R18	CR=29% RQD=27% 22.00
			R19	CR=26% RQD=NIL 22.75
			R20	CR=30% RQD=NIL 23.50
			R21	CR=33% RQD=14% 24.25
Highly to moderately weathered, brownish yellow to yellowish brown, fine to medium grained rock.			R22	CR=29% RQD=17% 25.00
			R23	CR=26% RQD=NIL 25.75
			R24	CR=25% RQD=NIL 26.50
			R25	CR=29% RQD=18% 27.25
			R26	CR=32% RQD=18% 28.00
			R27	CR=28% RQD=NIL 28.75
			R28	CR=33% RQD=NIL 29.50
			R29	CR=48% 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-11

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	12	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	12
Vane (V)		Disturbed (DS)	13
		Water Sample (WS)	0

Commencement Date : 29/11/15
Completion Date : 02/12/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.85 m.
Water Struck At :
Standing Water Level : 3.9 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Brownish grey, silty clay.			DS-1	0.50
0.80m		9		
		3 5 4	SPT-1	1.00-1.45
			DS-2	1.60
Stiff, blackish grey, silty clay with sand mixture.			UDS-1	2.00-2.45
			DS-3	2.60
		13		
		5 7 6	SPT-2	3.00-3.45
4.00m				
			UDS-2	4.00-4.45
			DS-4	4.65
		42		
		14 19 23	SPT-3	5.00-5.45
Hard, yellowish brown, silty clay. Obs. sand mixture & calcareous nodules.			DS-5	5.60
		72		
		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. Refusal	*SPT-6	7.50-7.53
		3.0 cm Pentn.	R1	CR=23% RQD=NIL 8.25
			R2	CR=21% RQD=NIL 9.00
			R3	CR=23% RQD=NIL 9.75
Highly weathered, yellowish brown, medium to coarse grained rock.			R4	CR=24% RQD=13% 10.50
			R5	CR=27% RQD=NIL 11.25
			R6	CR=21% RQD=NIL 12.00
			R7	CR=24% RQD=NIL 12.75
			R8	CR=28% RQD=NIL 13.50
13.50m			R9	CR=NIL RQD=NIL
		Refusal	DS-7	
Completely weathered, yellowish grey, coarse grained, fully decomposed rock		100 2.0 cm Pentn.	*SPT-7	14.25-14.27 14.25
		Refusal	R10	CR=NIL RQD=NIL
			DS-8	
		100 3.0 cm Pentn.	*SPT-8	15.00-15.03 15.00
15.50m			R11	CR=NIL 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 : 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
Penetrometer (SPT)	12	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	12
Vane (V)		Disturbed (DS)	12
		Water Sample (WS)	0

Commencement Date : 29/11/15
Completion Date : 02/12/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.85 m.
Water Struck At :
Standing Water Level : 3.9 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES 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 CR=NIL RQD=NIL 15.75
16.50m		100 >100 3.0 cm Pentn.	DS-10 *SPT-10 R13	16.50-16.53 CR=32% RQD=NIL 16.50
Highly to moderately weathered, brownish grey, medium grained, fractured rock.			R14	CR=25% RQD=NIL 17.25
			R15	CR=44% RQD=17% 18.00
			R16	CR=45% RQD=19% 18.75
19.50m			R17	CR=NIL RQD=NIL 19.50
Completely weathered, brownish grey, coarse graned, fully decomposed rock.		100 Refusal 3.0 cm Pentn.	DS-11 *SPT-11 R18	20.25-20.28 CR=NIL RQD=NIL 20.25
21.00m		100 Refusal 2.0 cm Pentn.	DS-12 *SPT-12 R19	21.00-21.02 CR=40% RQD=NIL 21.00
Highly to moderately weathered, brownish grey, medium to fine grained, fractured rock.			R20	CR=36% RQD=NIL 21.75
			R21	CR=39% RQD=16% 22.50
			R22	CR=41% RQD=17% 23.25
			R23	CR=42% RQD=NIL 24.00
			R24	CR=39% RQD=16% 24.75
			R25	CR=45% RQD=32% 25.50
			R26	CR=48% RQD=NIL 26.25
			R27	CR=50% RQD=18% 27.00
27.75m			R28	CR=52% RQD=NIL 27.75
Moderately weathered, brownish grey, medium to fine grained, fractured rock.			R29	CR=55% RQD=NIL 28.50
			R30	CR=58% RQD=NIL 29.25
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 : 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
Penetrometer (SPT)	9	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	9
Vane (V)		Disturbed (DS)	8
		Water Sample (WS)	1

Commencement Date : 23/10/15
Completion Date : 26/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 143.464 m.
Water Struck At :
Standing Water Level : 7.2 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Stiff, brownish grey to blackish grey, silty clay.		2 5 6 — 11	DS-1	0.50
			SPT-1	1.00-1.45
			UDS-1	2.00-2.45
			DS-2	2.60
2.80m				
Medium dense, brownish grey to yellowish grey, silty sand.		8 11 17 — 28	SPT-2	3.00-3.45
			*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. — >100	DS-4	5.50
		68 100 — 5.0 cm Pentn.	SPT-4	6.00-6.20
6.50m		100 — Refusal	*SPT-5	6.50-6.55 6.50
		5.0 cm Pentn.	WS-1	7.20
Completely weathered, brownish grey, decomposed rcok.		Refusal	R1	CR=NIL RQD=NIL
		100 — 5.0 cm Pentn.	DS-5 *SPT-6	8.00-8.05 8.00
			R2	CR=20% RQD=NIL
9.00m				9.00
		NX rotary drilling from 6.50m to 30.00m	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
Highly weathered, brownish grey to yellowish grey, medium grained rock.				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%
15.50m				15.50

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
Penetrometer (SPT)	9	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	9
Vane (V)		Disturbed (DS)	8
		Water Sample (WS)	1

Commencement Date : 23/10/15
Completion Date : 26/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 143.464 m.
Water Struck At :
Standing Water Level : 7.2 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m. Highly weathered, brownish grey to yellowish grey, medium grained rock.			R11	CR=27% RQD=15%
16.50m.				16.50
			R12	CR=20% RQD=NIL
				17.50
Completely to highly weathered, brownish grey to yellowish grey, medium grained rock.			R13	CR=24% RQD=15%
				18.50
			R14	CR=29% RQD=NIL
				19.50
		Refusal	R15	CR=NIL RQD=NIL
20.50m.		100	DS-6 *SPT-7	20.50-20.53
		3.0 cm Pentn.		20.50
		Refusal	R16	CR=NIL RQD=NIL
Conmpletely weathered, yellowish grey, medium grained rock.		100	DS-7 *SPT-8	21.50-21.54
		4.0 cm Pentn.		21.50
		Refusal	R17	CR=NIL RQD=NIL
22.50m.		100	DS-8 *SPT-9	22.50-22.55
		5.0 cm Pentn.		22.50
			R18	CR=28% RQD=16%
				23.50
			R19	CR=29% RQD=NIL
				24.50
Highly to moderately weathered, medium grained, brownish grey to reddish grey rock.			R20	CR=46% RQD=NIL
				25.50
			R21	CR=27% RQD=12%
				26.50
			R22	CR=31% RQD=14%
27.50m.				27.50
			R23	CR=30% RQD=NIL
Highly weathered, blackish grey, medium grained rock.				28.50
			R24	CR=40% RQD=NIL
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 : 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
Penetrometer (SPT)	19	Undisturbed (UDS)	1
Cone (Pc)		Penetrometer (SPT)	19
Vane (V)		Disturbed (DS)	14
		Water Sample (WS)	0

Commencement Date : 27/10/15
Completion Date : 28/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 143.828 m.
Water Struck At :
Standing Water Level : 2.8 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Stiff, deep grey, silty clay. Obs. calcareous nodules.		3 4 8 12	DS-1	0.50
			SPT-1	1.00-1.45
			UDS-1	2.00-2.45
2.50m			DS-2	2.60
Very dense, yellowish brown, silty sand. Obs. mica.		47 100 10.0 cm Pentn.	SPT-2	3.00-3.25
			DS-3	3.60
		39 100 9.0 cm Pentn.	SPT-3	4.00-4.24
			DS-4	4.50
		100 12.0 cm Pentn.	SPT-4	5.00-5.12
			DS-5	5.50
		100 6.0 cm Pentn.	SPT-5	6.00-6.06
			DS-6	6.50
		100 8.0 cm Pentn.	SPT-6	7.00-7.08
7.25m		100 Refusal	*SPT-7	7.25-7.32 7.25
Completely weathered, brownish grey to reddish brown, medium to coarse grained, completely fractured rock.		7.0 cm Pentn.	R1	CR=NIL RQD=NIL
			DS-7	
		100	SPT-8	8.00-8.08 8.00
		8.0 cm Pentn.	R2	CR=10% RQD=NIL
		100 Refusal	*SPT-9	8.75-8.78 8.75
		3.0 cm Pentn.	R3	CR=12% RQD=NIL
		100 Refusal	*SPT-10	9.50-9.54 9.50
		4.0 cm Pentn.	R4	CR=14% RQD=NIL
		100 Refusal	*SPT-11	10.25-10.30 10.25
		5.0 cm Pentn.	R5	CR=12% RQD=NIL
11.00m		100 Refusal	*SPT-12	11.00-11.03 11.00
Highly weathered, brownish grey to reddish brown, medium to coarse grained, completely fractured rock.		3.0 cm Pentn.	R6	CR=26% RQD=NIL 11.75
			R7	CR=28% RQD=NIL 12.50
		NX rotary drilling from 7.25m to 30.00m	R8	CR=30% RQD=NIL 13.25
			R9	CR=32% RQD=NIL 14.00
			R10	CR=28% RQD=NIL 14.75
Completely weathered, brownish grey to reddish brown, medium to coarse grained, completely fractured rock. 14.75m			R11	CR=21% RQD=NIL 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-13

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	19	Undisturbed (UDS)	1
Cone (Pc)		Penetrometer (SPT)	19
		Disturbed (DS)	14
Vane (V)		Water Sample (WS)	0

Commencement Date : 27/10/15
Completion Date : 28/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 143.828 m.
Water Struck At :
Standing Water Level : 2.8 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m.		100 Refusal	*SPT-13	15.50-15.53
		3.0 cm Pentn.	R12	CR=NIL RQD=NIL
		Refusal	DS-8	
		100	*SPT-14	16.50-16.54
Completely weathered, brownish grey to reddish brown, medium to coarse grained, completely fractured rock.		4.0 cm Pentn.	R13	CR=NIL RQD=NIL
		Refusal	DS-9	
		100	*SPT-15	17.50-17.55
		5.0 cm Pentn.	R14	CR=NIL RQD=NIL
			DS-10	18.25
			R15	CR=26% RQD=NIL
19.00m.				
			R16	CR=NIL RQD=NIL
		Refusal	DS-11	
		100	*SPT-16	20.00-20.04
Completely weathered, greyish yellow, medium to coarse grained, highly fractured rock.		4.0 cm Pentn.	R17	CR=NIL RQD=NIL
		Refusal	DS-12	
		100	*SPT-17	21.00-21.06
		6.0 cm Pentn.	R18	CR=NIL RQD=NIL
		Refusal	DS-13	
		100	SPT-18	22.00-22.03
		3.0 cm Pentn.	R19	CR=NIL RQD=NIL
		Refusal	DS-14	
23.00m.		100	*SPT-19	23.00-23.03
		3.0 cm Pentn.	R20	CR=49% RQD=NIL
				23.75
Highly to moderately weathered, greyish yellow, medium to coarse grained, highly fractured rock.			R21	CR=40% RQD=NIL
				24.50
			R22	CR=36% RQD=NIL
				25.25
			R23	CR=48% RQD=NIL
26.00m.				26.00
			R24	CR=44% RQD=20%
Moderately weathered, brownish grey, highly fractured, fine grained rock.				26.75
			R25	CR=40% RQD=NIL
27.50m.				27.50
			R26	CR=49% RQD=15%
				28.25
Moderately weathered, brownish grey, medium to coarse grained, fractured rock.			R27	CR=40% RQD=NIL
				29.00
			R28	CR=41% RQD=14%
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 : 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
Penetrometer (SPT)	8	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	8
Vane (V)		Disturbed (DS)	7
		Water Sample (WS)	0

Commencement Date : 29/11/15
Completion Date : 02/12/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.815 m.
Water Struck At :
Standing Water Level : 4.1 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Very stiff, blackish grey, silty clay.		7 11 13 — 24	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.		13 18 27 — 45	SPT-2	3.00-3.45
3.50m			DS-3	3.70
			*UDS-2	4.00-4.45
Very dense, brownish grey, silty sand. Obs. clay binder.		17 29 38 — 67	SPT-3	5.00-5.45
		>100	DS-4	5.75
		100 — 13.0 cm Pentn.	SPT-4	6.00-6.13
6.50m		100 — Refusal	*SPT-5	6.50-6.53 6.50
Completely to highly weathered, brownish grey, coarse to medium grained, highly fractured rock.		3.0 cm Pentn.	R1	CR=21% RQD=NIL 7.25
			R2	CR=22% RQD=NIL 8.00
			R3	CR=24% RQD=15% 8.75
			R4	CR=25% RQD=NIL 9.50
		Refusal	R5	CR=NIL RQD=NIL
			DS-5	
		100 — 3.0 cm Pentn.	*SPT-6	10.25-10.28 10.25
		Refusal	R6	CR=NIL RQD=NIL
			DS-6	
		100 — 2.0 cm Pentn.	*SPT-7	11.00-11.02 11.00
		Refusal	R7	CR=NIL RQD=NIL
			DS-7	
11.75m		100 — 3.0 cm Pentn.	*SPT-8	11.75-11.78 11.75
Highly weathered, brownish grey, coarse to medium grained, highly fractured rock.			R8	CR=24% RQD=NIL 12.50
			R9	CR=23% RQD=NIL 13.25
			R10	CR=21% RQD=NIL 14.00
			R11	CR=25% RQD=NIL 14.75
			R12	CR=23% RQD=NIL 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 : 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
Penetrometer (SPT)	8	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	8
Vane (V)		Disturbed (DS)	7
		Water Sample (WS)	0

Commencement Date : 29/11/15
Completion Date : 02/12/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.815 m.
Water Struck At :
Standing Water Level : 4.1 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m. Highly weathered, brownish grey, coarse to medium grained, highly fractured rock.			R13	CR=22% RQD=NIL
				16.25
			R14	CR=24% RQD=NIL
17.00m. Highly weathered, brownish grey, coarse to medium grained, highly fractured rock.				17.00
			R15	CR=27% RQD=NIL
				17.75
			R16	CR=29% RQD=NIL
				18.50
			R17	CR=40% RQD=NIL
19.25m. Moderately weathered, brownish grey, coarse to medium grained rock.				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
			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
27.50m. Moderately weathered, light grey, fine grained, medium fractured rock.				27.50
			R29	CR=55% RQD=20%
				28.25
			R30	CR=50% RQD=20%
				29.00
			R31	CR=52% RQD=NIL
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 : 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
Penetrometer (SPT)	7	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	7
Vane (V)		Disturbed (DS)	8
		Water Sample (WS)	0

Commencement Date : 03/12/15
Completion Date : 05/12/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.533 m.
Water Struck At :
Standing Water Level : 4.05 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Stiff, blackish grey, silty clay. Obs. sand mixture & kankars.		3 4 5 (9)	DS-1	0.50
			SPT-1	1.00-1.45
			DS-2	1.60
			UDS-1	2.00-2.45
2.70m			DS-3	2.70
Stiff, brownish grey, silty clay with sand mixture & calcareous nodules.		3 6 8 (14)	SPT-2	3.00-3.45
			DS-4	3.70
			UDS-2	4.00-4.45
4.60m			DS-5	4.60
Dense to very dense, brownish grey to whitish grey, silty sand. Obs. clay binder & calcareous nodules.		10 13 20 (33)	SPT-3	5.00-5.45
			DS-6	5.75
		14 22 43 (65)	SPT-4	6.00-6.45
		(>100)	DS-7	6.80
		69 100	SPT-5	7.00-7.20
		5.0 cm Pentn.		
		100 Refusal	*SPT-6	7.50-7.53
		3.0 cm Pentn.	DS-8	7.80
8.00m		100 Refusal	*SPT-7	8.00-8.05
		5.0 cm Pentn.		8.00
Highly weathered, yellowish brown, medium grained, highly fractured rock.			R1	CR=29% RQD=NIL
				8.75
			R2	CR=33% RQD=17%
				9.50
			R3	CR=29% RQD=13%
				10.25
			R4	CR=31% RQD=NIL
				11.00
			R5	CR=32% RQD=NIL
				11.75
			R6	CR=29% RQD=NIL
				12.50
			R7	CR=31% RQD=NIL
				13.25
			R8	CR=29% RQD=21%
				14.00
			R9	CR=30% RQD=NIL
				14.75
			R10	CR=37% RQD=NIL
15.50m				15.50

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
Penetrometer (SPT)	7	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	7
Vane (V)		Disturbed (DS)	8
		Water Sample (WS)	0

Commencement Date : 03/12/15
Completion Date : 05/12/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.533 m.
Water Struck At :
Standing Water Level : 4.05 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES 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				
			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
Highly to moderately weathered, yellowish brown to steel grey, medium to fine grained, highly fractured rock.			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
Penetrometer (SPT)	21	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	21
		Disturbed (DS)	21
Vane (V)		Water Sample (WS)	0

Commencement Date : 08/11/15
Completion Date : 11/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.742 m.
Water Struck At :
Standing Water Level : 4.6 m.

DESCRIPTION	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	Depth (m)
0.00m			
Very stiff, deep grey, silty clay with calcareous nodules.	6 8 10 (18)	DS-1	0.50
		SPT-1	1.00-1.45
1.60m		DS-2	1.60
		UDS-1	2.00-2.45
		DS-3	2.60
Hard, deep grey, silty clay with calcareous nodules.	12 15 18 (33)	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
		DS-7	6.70
Hard, greyish yellow, silty clay with sand mixture. Obs. calcareous nodules.	19 26 35 (61)	SPT-5	7.00-7.45
		DS-8	7.60
	31 100 (>100)	SPT-6	8.00-8.25
	10.0 cm Pentn. (>100)	DS-9	8.50
9.00m	100 10.0 cm Pentn.	SPT-7	9.00-9.10
Very dense, greyish yellow, silty sand with decomposed rock. 9.30m	100 Refusal	*SPT-8	9.30-9.34 9.30
	4.0 cm Pentn. Refusal	R1	CR=12% RQD=NIL
	100	*SPT-9	10.00-10.05 10.00
	5.0 cm Pentn. Refusal	R2 DS-10	CR=NIL RQD=NIL
	100	*SPT-10	10.75-10.77 10.75
	2.0 cm Pentn. Refusal	R3 DS-11	CR=NIL RQD=NIL
	100	*SPT-11	11.50-11.53 11.50
	3.0 cm Pentn. Refusal	R4 DS-12	CR=NIL RQD=NIL
Completely weathered, greyish yellow, fine to medium grained, highly fractured decomposed & disintegrated rock.	100	*SPT-12	12.25-12.29 12.25
	4.0 cm Pentn. Refusal	R5 DS-13	CR=NIL RQD=NIL
	100	*SPT-13	13.00-13.03 13.00
	3.0 cm Pentn. Refusal	R6 DS-14	CR=NIL RQD=NIL
	100	*SPT-14	13.75-13.77 13.75
	2.0 cm Pentn. Refusal	R7 DS-15	CR=NIL RQD=NIL
	100	*SPT-15	14.50-14.53 14.50
	3.0 cm Pentn. Refusal	R8 DS-16	CR=NIL RQD=NIL
	100	*SPT-16	15.00-15.05 15.00
15.50m	5.0 cm Pentn.	R9	CR=NIL RQD=NIL

BH-16/Sheet-1

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
Penetrometer (SPT)	21	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	21
Vane (V)		Disturbed (DS)	21
		Water Sample (WS)	0

Commencement Date : 08/11/15
Completion Date : 11/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.742 m.
Water Struck At :
Standing Water Level : 4.6 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	Depth (m)
15.50m.		Refusal	DS-17	
		100 3.0 cm Penth.	*SPT-17	15.75-15.78 15.75
		Refusal	R10	CR=NIL RQD=NIL
		100 5.0 cm Penth.	DS-18 *SPT-18	16.50-16.55 16.50
Completely weathered, greyish yellow, fine to medium grained, highly fractured decomposed & disintegrated rock.		Refusal	R11 DS-19	CR=NIL RQD=NIL
		100 3.0 cm Penth.	*SPT-19	17.25-17.28 17.25
		Refusal	R12 DS-20	CR=NIL RQD=NIL
		100 4.0 cm Penth.	*SPT-20	18.00-18.04 18.00
		Refusal	R13 DS-21	CR=NIL RQD=NIL
18.75m.		100 4.0 cm Penth.	*SPT-21	18.75-18.79 18.75
		NX rotary drilling from 9.30m to 30.00m	R14	CR=68% RQD=20% 19.50
			R15	CR=60% RQD=12% 20.25
			R16	CR=64% RQD=36% 21.00
			R17	CR=60% RQD=NIL 21.75
Moderately to slightly weathered, brownish grey to greyish brown, medium to coarse grained rock.			R18	CR=64% RQD=NIL 22.50
			R19	CR=56% RQD=NIL 23.25
			R20	CR=40% RQD=NIL 24.00
			R21	CR=48% RQD=NIL 24.75
			R22	CR=56% RQD=NIL 25.50
25.50m.			R23	CR=60% RQD=NIL 26.25
Moderately to slightly weathered, light blackish grey, medium grained, highly fractured rock.			R24	CR=61% RQD=NIL 27.00
			R25	CR=52% RQD=NIL 27.75
27.75m.			R26	CR=60% RQD=NIL 28.50
Moderately weathered, brownish grey, medium to fine grained, highly fractured rock.			R27	CR=56% RQD=32% 29.25
28.50m.			R28	CR=48% RQD=32% 30.00
Moderately weathered, blackish grey, medium to fine grained, highly fractured rock.				
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-17

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	14	Undisturbed (UDS)	1
Cone (Pc)		Penetrometer (SPT)	14
Vane (V)		Disturbed (DS)	16
		Water Sample (WS)	0

Commencement Date : 08/11/15
Completion Date : 11/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.648 m.
Water Struck At :
Standing Water Level : 5.3 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Hard, greyish brown to brownish grey, silty clay with sand mixture. Obs. calcareous nodules.		17 30 60 — 90	DS-1	0.50
			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
5.00m		10 19 21 — 40	SPT-4	5.00-5.45
Hard, greyish yellow, silty clay with sand mixture. Obs. calcareous nodules.			DS-6	5.60
		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
8.00m		34 100 — >100	SPT-7	8.00-8.25
Very dense, greyish yellow, silty sand.		10.0 cm Pentn. — >100	DS-9	8.60
		56 100 — >100	SPT-8	9.00-9.18
		3.0 cm Pentn. — >100	DS-10	9.60
10.00m		100 — 8.0 cm Pentn.	SPT-9	10.00-10.08
Completely weathered, brownish yellow, decomposed & disintegrated rock particles collected as sludge.		100 — Refusal	R1 / DS-11 / *SPT-10	CR=NIL RQD=NIL / 10.75-10.77
		2.0 cm Pentn. — Refusal	R2 / DS-12 / *SPT-11	CR=NIL RQD=NIL / 11.50-11.54
11.50m		100 — 4.0 cm Pentn.	R3	CR=21% RQD=NIL
Highly weathered, brownish white, medium grianed, highly fractured rock.		NX rotary drilling from 10.00m to 30.00m	R4	CR=22% RQD=NIL
			R5	CR=21% RQD=NIL
			R6	CR=22% RQD=NIL
14.50m			R7 / DS-13 / *SPT-12	CR=NIL RQD=NIL / 15.25-15.28
Completely weathered, brownish yellow, decomposed & disintegrated rock particle collected as sludge.		100 — >100 — 3.0 cm Pentn.		
15.50m				

10.00 / 10.75 / 11.50 / 12.25 / 13.00 / 13.75 / 14.50 / 15.25

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
Penetrometer (SPT)	14	Undisturbed (UDS)	1
Cone (Pc)		Penetrometer (SPT)	14
Vane (V)		Disturbed (DS)	16
		Water Sample (WS)	0

Commencement Date : 08/11/15
Completion Date : 11/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.648 m.
Water Struck At :
Standing Water Level : 5.3 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m				
Completely weathered, brownish yellow, decomposed & disintegrated rock particle collected as sludge.		100 Refusal 4.0 cm Penth.	R8 DS-14 *SPT-13	CR=NIL RQD=NIL 16.00-16.04
		100 Refusal 4.0 cm Penth.	R9 DS-15 *SPT-14	CR=NIL RQD=NIL 16.75-16.79
17.50m		100 Refusal 2.0 cm Penth.	R10 DS-16 *SPT-15	CR=NIL RQD=NIL 17.50-17.52
			R11	CR=23% RQD=NIL 18.25
			R12	CR=27% RQD=NIL 19.00
Highly weathered, light yellowish brown, medium to fine grained, highly fractured rock.			R13	CR=24% RQD=NIL 19.75
			R14	CR=28% RQD=NIL 20.50
			R15	CR=25% RQD=NIL 21.25
21.25m			R16	CR=27% RQD=NIL 22.00
			R17	CR=31% RQD=21% 22.75
			R18	CR=29% RQD=23% 23.50
			R19	CR=25% RQD=NIL 24.25
Highly weathered, light yellowish brown, medium to fine grained, highly fractured rock.			R20	CR=28% RQD=NIL 25.00
			R21	CR=32% RQD=NIL 25.75
			R22	CR=30% RQD=NIL 26.50
			R23	CR=36% RQD=NIL 27.25
			R24	CR=36% RQD=NIL 28.00
			R25	CR=37% RQD=NIL 28.75
28.75m			R26	CR=52% RQD=NIL 29.50
Moderately weathered, light yellowish brown, medium to fine grained, highly fractured rock.			R27	CR=56% 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 : 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
Penetrometer (SPT)	8	Undisturbed (UDS)	1
Cone (Pc)		Penetrometer (SPT)	8
		Disturbed (DS)	8
Vane (V)		Water Sample (WS)	0

Commencement Date : 21/11/15
Completion Date : 23/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.824 m.
Water Struck At :
Standing Water Level : 2.4 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	Depth (m)
0.00m				
Very stiff, deep yellowish brown, silty clay.		4 6 10 (16)	DS-1	0.50
			SPT-1	1.00-1.45
			DS-2	1.70
			UDS-1	2.00-2.45
			DS-3	2.60
3.00m				
Hard, brownish yellow, silty clay / clayey silt with sand & kankars.		14 23 27 (50)	SPT-2	3.00-3.45
			DS-4	3.60
		25 35 42 (77)	SPT-3	4.00-4.45
			DS-5	4.75
5.00m				
Hard, brownish yellow, silty clay / clayey silt with sand. Obs. calcareous nodules.		22 37 46 (83)	SPT-4	5.00-5.45
			DS-6	5.70
		36 65 100 (>100)	SPT-5	6.00-6.35
6.50m		5.0 cm Pentn.	DS-7	6.50
Hard, light brownish yellow, silty clay / clayey silt with sand mixture.		72 100 (>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		10.0 cm Pentn.	*SPT-8	8.25-8.28 8.25
		100 Refusal	R1	CR=25% RQD=NIL 9.00
		3.0 cm Pentn.	R2	CR=38% RQD=NIL 9.75
		NX rotary drilling from 8.25m to 30.00m	R3	CR=32% RQD=13% 10.50
			R4	CR=28% RQD=NIL 11.25
Highly to moderately weathered, brownish yellow, medium to coarse grained rock.			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%

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
Penetrometer (SPT)	8	Undisturbed (UDS)	1
Cone (Pc)		Penetrometer (SPT)	8
Vane (V)		Disturbed (DS)	8
		Water Sample (WS)	0

Commencement Date : 21/11/15
Completion Date : 23/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.824 m.
Water Struck At :
Standing Water Level : 2.4 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m.				15.75
			R11	CR=28% RQD=17%
				16.50
			R12	CR=32% RQD=13%
				17.25
			R13	CR=28% RQD=NIL
				18.00
			R14	CR=38% RQD=NIL
				18.75
			R15	CR=39% RQD=17%
				19.50
			R16	CR=40% RQD=13%
				20.25
			R17	CR=37% RQD=NIL
				21.00
			R18	CR=44% RQD=13%
				21.75
			R19	CR=46% RQD=NIL
				22.50
Highly to moderately weathered, brownish yellow, medium to coarse grained rock.			R20	CR=41% RQD=NIL
				23.25
			R21	CR=36% RQD=32%
				24.00
			R22	CR=40% RQD=37%
				24.75
			R23	CR=44% RQD=27%
				25.50
			R24	CR=40% RQD=NIL
				26.25
			R25	CR=33% RQD=NIL
				27.00
			R26	CR=36% RQD=NIL
				27.75
			R27	CR=32% RQD=NIL
				28.50
			R28	CR=34% RQD=NIL
				29.25
			R29	CR=32% RQD=NIL
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-21

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	7	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	7
Vane (V)		Disturbed (DS)	8
		Water Sample (WS)	0

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.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
			DS-1	0.50
		11		
		4 5 6	SPT-1	1.00-1.45
			DS-2	1.60
			UDS-1	2.00-2.45
Stiff to very stiff, greyish yellow, silty clay. Obs. calcareous nodules.			DS-3	2.60
		22		
		6 10 12	SPT-2	3.00-3.45
			DS-4	3.60
			UDS-2	4.00-4.45
			DS-5	4.60
		26		
		6 11 15	SPT-3	5.00-5.45
5.60m			DS-6	5.60
		43		
Hard, yellowish grey, silty clay with sand mixture.		11 16 27	SPT-4	6.00-6.45
			DS-7	6.70
7.00m		>100		
		48 100	SPT-5	7.00-7.25
		10.0 cm Pentn.		
Very dense, greyish yellow, silty sand.		>100	DS-8	7.70
		100 12.0 cm Pentn.	SPT-6	8.00-8.12
8.50m		Refusal	*SPT-7	8.50-8.54
		100 4.0 cm Pentn.	R1	CR=24% RQD=NIL 9.25
Highly weathered, greyish yellow, fine grained, completely decomposed & disintegrated rock.			R2	CR=28% RQD=NIL 10.00
10.00m		NX rotary drilling from 8.50m to 30.00m	R3	CR=26% RQD=NIL 10.75
			R4	CR=30% RQD=16% 11.50
			R5	CR=24% RQD=NIL 12.25
Highly to moderately weathered, brownish grey to greyish brown, medium to coarse grained rock.			R6	CR=44% RQD=16% 13.00
			R7	CR=30% RQD=NIL 13.75
			R8	CR=28% RQD=NIL 14.50
			R9	CR=29% RQD=NIL 15.25
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-21

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	7	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	7
Vane (V)		Disturbed (DS)	8
		Water Sample (WS)	0

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.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m.			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
Highly to moderately weathered, brownish grey to greyish brown, medium to coarse grained rock.			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
28.50m.			R28	CR=54% RQD=NIL — 29.25
Moderately weathered, deep blackish grey, fine grained rock.			R29	CR=45% 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-22

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	8	Undisturbed (UDS)	1
Cone (Pc)		Penetrometer (SPT)	8
Vane (V)		Disturbed (DS)	5
		Water Sample (WS)	0

Commencement Date : 27/10/15
Completion Date : 30/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 144.192 m.
Water Struck At :
Standing Water Level : 4.2 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES 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				
Hard, yellowish brown, silty clay with sand mixture.		29 32 59 (91)	SPT-2	3.00-3.45
			DS-3	3.60
4.00m				
Very dense, yellowish brown, silty sand.		33 41 49 (90)	SPT-3	4.00-4.45
		45 25 38 (63)	SPT-4	5.00-5.45
5.50m			DS-4	5.60
Hard, brownish grey, silty clay Obs. calcareous nodules.		19 24 42 (66)	SPT-5	6.00-6.45
		12 25 39 (64)	SPT-6	7.00-7.45
		68 100 (>100) 5.0 cm Penth.	SPT-7	8.00-8.20
8.50m		100 Refusal 6.0 cm Penth.	*SPT-8	8.50-8.56
Highly to moderately weathered, brownish grey to yellowish brown, medium grained claystone.		NX rotary drilling from 8.50m to 30.00m	R1	CR=32% RQD=NIL 8.50 - 9.25
			R2	CR=38% RQD=NIL 9.25 - 10.00
			R3	CR=37% RQD=NIL 10.00 - 10.75
			R4	CR=36% RQD=NIL 10.75 - 11.50
			R5	CR=38% RQD=NIL 11.50 - 12.25
			R6	CR=42% RQD=NIL 12.25 - 13.00
13.00m				
Highly to moderately weathered, light brownish grey to blackish grey, fine grained, moderately fractured rock.			R7	CR=41% RQD=NIL 13.00 - 13.75
			R8	CR=46% RQD=NIL 13.75 - 14.50
			R9	CR=40% RQD=NIL 14.50 - 15.25
15.50m				

BH-22/Sheet-1

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
Penetrometer (SPT)	8	Undisturbed (UDS)	1
Cone (Pc)		Penetrometer (SPT)	8
Vane (V)		Disturbed (DS)	5
		Water Sample (WS)	0

Commencement Date : 27/10/15
Completion Date : 30/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 144.192 m.
Water Struck At :
Standing Water Level : 4.2 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m			R10	CR=36% RQD=NIL 16.00
Highly to moderately weathered, light brownish grey to blackish grey, fine grained, moderately fractured rock.			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
19.75m			R16	CR=56% RQD=NIL 20.50
Moderately weathered, light brownish grey to blackish grey, fine grained, moderately fractured rock.			R17	CR=58% RQD=NIL 21.25
21.25m			R18	CR=61% RQD=37% 22.00
			R19	CR=62% RQD=37% 22.75
Moderately to slightly weathered, brownish grey, fine to medium grained rock. Obs. laminated sandstone.			R20	CR=46% RQD=NIL 23.50
			R21	CR=36% RQD=NIL 24.25
			R22	CR=53% RQD=NIL 25.00
25.00m			R23	CR=55% RQD=NIL 25.75
			R24	CR=62% RQD=21% 26.50
			R25	CR=72% RQD=49% 27.25
Moderately to slightly weathered, blackish grey, fine grained rock.			R26	CR=62% RQD=21% 28.00
			R27	CR=45% RQD=20% 28.75
			R28	CR=69% RQD=NIL 29.50
30.00m			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
Penetrometer (SPT)	6	Undisturbed (UDS)	3
Cone (Pc)		Penetrometer (SPT)	6
Vane (V)		Disturbed (DS)	7
		Water Sample (WS)	0

Commencement Date : 19/11/15
Completion Date : 20/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.46 m.
Water Struck At :
Standing Water Level : 2.65 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Medium blackish grey, silty clay.		2 3 3 (6)	DS-1	0.50
			SPT-1	1.00-1.45
1.75m			DS-2	1.75
			UDS-1	2.00-2.45
Very stiff, brownish yellow, silty clay. Obs. calcareous nodules & sand mixture.		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			DS-5	4.75
		18 27 34 (61)	SPT-3	5.00-5.45
Hard, brownish yellow, silty clay. Obs. calcareous nodules.			*UDS-3	6.00-6.09
		20 35 62 (97)	SPT-4	6.40-6.85
		>100	DS-6	7.00
7.25m		32 100	SPT-5	7.00-7.25
Hard, brownish yellow, silty clay with decomposed rock.		10.0 cm Pentn. Refusal	DS-7	7.50
8.00m		100	*SPT-6	8.00-8.07
		7.0 cm Pentn.	R1	CR=25% RQD=NIL 8.00-8.75
			R2	CR=29% RQD=NIL 8.75-9.50
		NX rotary drilling from 8.00m to 30.00m	R3	CR=39% RQD=13% 9.50-10.25
			R4	CR=34% RQD=NIL 10.25-11.00
Highly weathered, light brownish yellow, medium to fine grained, highly to moderately fractured rock.			R5	CR=28% RQD=NIL 11.00-11.75
			R6	CR=36% RQD=NIL 11.75-12.50
			R7	CR=40% RQD=NIL 12.50-13.25
			R8	CR=40% RQD=NIL 13.25-14.00
			R9	CR=40% RQD=NIL 14.00-14.75
			R10	CR=39% RQD=NIL 14.75-15.50
15.50m				

BH-23/Sheet-1

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
Penetrometer (SPT)	6	Undisturbed (UDS)	3
Cone (Pc)		Penetrometer (SPT)	6
Vane (V)		Disturbed (DS)	7
		Water Sample (WS)	0

Commencement Date : 19/11/15
Completion Date : 20/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.46 m.
Water Struck At :
Standing Water Level : 2.65 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m.				
			R11	CR=35% RQD=NIL 16.25
			R12	CR=29% RQD=NIL 17.00
			R13	CR=33% RQD=NIL 17.75
Highly weathered, light brownish yellow, medium to fine grained, highly to moderately fractured rock.			R14	CR=32% RQD=NIL 18.50
			R15	CR=35% RQD=NIL 19.25
			R16	CR=36% RQD=NIL 20.00
			R17	CR=28% RQD=NIL 20.75
			R18	CR=36% RQD=NIL 21.50
21.50m.				
			R19	CR=52% RQD=35% 22.25
			R20	CR=44% RQD=42% 23.00
			R21	CR=45% RQD=21% 23.75
			R22	CR=42% RQD=NIL 24.50
			R23	CR=44% RQD=25% 25.25
Moderately weathered, light brownish yellow, medium to fine grained, moderately fractured rock.			R24	CR=40% RQD=NIL 26.00
			R25	CR=42% RQD=NIL 26.75
			R26	CR=45% RQD=NIL 27.50
			R27	CR=42% RQD=NIL 28.25
			R28	CR=43% RQD=NIL 29.00
			R29	CR=40% 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-25

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	10	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	10
Vane (V)		Disturbed (DS)	11
		Water Sample (WS)	0

Commencement Date : 29/11/15
Completion Date : 01/12/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.849 m.
Water Struck At :
Standing Water Level : 2.4 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Medium, brownish yellow, silty clay with sand mixture. Obs. calcareous nodules.		3 3 4 (7)	DS-1	0.50
			SPT-1	1.00-1.45
			DS-2	1.75
			UDS-1	2.00-2.45
2.75m			DS-3	2.75
Hard, brownish yellow, silty clay with sand mixture. Obs. calcareous nodules.		12 19 22 (41)	SPT-2	3.00-3.45
			DS-4	3.75
			*UDS-2	4.00-4.09
		13 24 31 (55)	SPT-3	4.50-4.95
			DS-5	5.50
		15 35 42 (77)	SPT-4	6.00-6.45
6.75m			DS-6	6.75
Very dense, yellowish brown, silty sand with decomposed rock.		50 19 100/5.0 cm Pentn. (>100)	SPT-5	7.00-7.20
			DS-7	7.50
8.00m		100/6.0 cm Pentn. Refusal	*SPT-6	8.00-8.06
Highly weathered, yellowish brown, medium grained, highly fractured rock.		NX rotary drilling from 8.00m to 30.00m	R1	CR=28% RQD=NIL 8.00-8.75
			R2	CR=32% RQD=16% 8.75-9.50
			R3	CR=31% RQD=13% 9.50-10.25
			R4	CR=28% RQD=NIL 10.25-11.00
			R5	CR=39% RQD=16% 11.00-11.75
			R6	CR=29% RQD=NIL 11.75-12.50
			R7	CR=35% RQD=NIL 12.50-13.25
			R8	CR=33% RQD=16% 13.25-14.00
			R9	CR=35% RQD=16% 14.00-14.75
			R10	CR=37% RQD=13% 14.75-15.50
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 : 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
Penetrometer (SPT)	10	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	10
Vane (V)		Disturbed (DS)	11
		Water Sample (WS)	0

Commencement Date : 29/11/15
Completion Date : 01/12/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.849 m.
Water Struck At :
Standing Water Level : 2.4 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	Depth (m)
15.50m				
Highly weathered, yellowish brown, medium grained, highly fractured rock.			R11	CR=40% RQD=NIL 16.25
			R12	CR=28% RQD=NIL 17.00
			R13	CR=27% RQD=13% 17.75
			R14	CR=25% RQD=NIL 18.50
			R15	CR=32% RQD=23% 19.25
			R16	CR=36% RQD=13% 20.00
			R17	CR=39% RQD=20% 20.75
20.75m				
Highly weathered, blackish grey, medium to fine grained, highly fractured rock.			R18	CR=40% RQD=NIL 21.50
			R19	CR=33% RQD=NIL 22.25
			R20	CR=40% RQD=NIL 23.00
23.00m				
Highly weathered, brownish grey, fine grained, highly fractured rock.			R21	CR=32% RQD=20% 23.75
			R22	CR=29% RQD=NIL 24.50
			R23	CR=28% RQD=NIL 25.25
25.25m				
Completely weathered, yellowish brown, medium grained, highly fractured rock.		Refusal 100 8.0 cm Pentn.	R24 DS-8 *SPT-7	CR=NIL RQD=NIL 26.00-26.08 26.00
		Refusal 100 2.0 cm Pentn.	R25 DS-9 *SPT-8	CR=NIL RQD=NIL 26.75-26.77 26.75
			R26	CR=24% RQD=13% 27.50
		Refusal 100 3.0 cm Pentn.	R27 DS-10 *SPT-9	CR=NIL RQD=NIL 28.25-28.28 28.25
29.00m		Refusal 100 2.0 cm Pentn.	R28 DS-11 *SPT-10	CR=NIL RQD=NIL 29.00-29.02 29.00
Highly weathered, yellowish brown, medium grained, highly fractured rock.			R29	CR=28% 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 : 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
Penetrometer (SPT)	5	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	5
Vane (V)		Disturbed (DS)	5
		Water Sample (WS)	0

Commencement Date : 24/11/15
Completion Date : 28/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.408 m.
Water Struck At :
Standing Water Level : 3.7 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Stiff, light yellowish grey to brownish grey, silty clay. Obs. sand mixture.		4 5 7 — 12	DS-1	0.50
			SPT-1	1.00-1.45
1.50m			DS-2	1.50
Hard, light yellowish grey, silty clay with grey patches & calcareous nodules		13 17 22 — 39	UDS-1	2.00-2.45
			SPT-2	3.00-3.45
4.00m			*UDS-2	4.00-4.10
			DS-3	4.50
Very dense, yellowish brown, silty sand.		70 100 — 10.0 cm Pentn. — >100	SPT-3	5.00-5.25
			DS-4	5.60
		100 — 13.0 cm Pentn. — >100	SPT-4	6.00-6.13
			DS-5	6.50
7.00m		100 — 6.0 cm Pentn. — Refusal	*SPT-5	7.00-7.06
Highly weathered, light brownish yellow, medium to coarse grained, highly fractured rock		NX rotary drilling from 7.00m to 30.00m	R1	CR=28% RQD=NIL 7.00-7.75
			R2	CR=35% RQD=NIL 7.75-8.50
			R3	CR=28% RQD=NIL 8.50-9.25
			R4	CR=32% RQD=NIL 9.25-10.00
			R5	CR=32% RQD=NIL 10.00-10.75
			R6	CR=40% RQD=28% 10.75-11.50
			R7	CR=40% RQD=NIL 11.50-12.25
			R8	CR=36% RQD=NIL 12.25-13.00
			R9	CR=33% RQD=NIL 13.00-13.75
13.75m			R10	CR=36% RQD=NIL 13.75-14.50
Highly weathered, brownish yellow, medium grained, highly fractured rock.			R11	CR=27% RQD=NIL 14.50-15.25
15.25m				
15.50m				

BH-26/Sheet-1

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
Penetrometer (SPT)	5	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	5
		Disturbed (DS)	5
Vane (V)		Water Sample (WS)	0

Commencement Date : 24/11/15
Completion Date : 28/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.408 m.
Water Struck At :
Standing Water Level : 3.7 m.

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

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	5	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	5
Vane (V)		Disturbed (DS)	7
		Water Sample (WS)	0

Commencement Date : 02/12/15
Completion Date : 04/12/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.537 m.
Water Struck At :
Standing Water Level : 3.8 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES 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 UDS-1 DS-3 SPT-2 DS-4 *UDS-2	1.70 2.00-2.45 2.70 3.00-3.45 3.70 4.00-4.07
4.30m Very dense, yellowish brown, silty sand.		53 100 (≥100) 7.0 cm Pentn. 100 Refusal 5.0 cm Pentn. 100 Refusal 3.0 cm Pentn.	DS-5 SPT-3 DS-6 *SPT-4 *SPT-5	4.50 5.00-5.22 5.70 6.00-6.05 6.50-6.53
6.50m Highly weathered, greyish yellow, fine to coarse grained, highly fractured rock.		NX rotary drilling from 6.50m to 30.00m	R1 R2 R3 R4 R5 R6 R7 R8 R9	CR=27% RQD=NIL 7.25 CR=26% RQD=NIL 8.00 CR=28% RQD=NIL 8.75 CR=36% RQD=NIL 9.50 CR=28% RQD=NIL 10.25 CR=37% RQD=NIL 11.00 CR=33% RQD=NIL 11.75 CR=32% RQD=NIL 12.50 CR=37% RQD=NIL 13.25
8.00m Highly weathered, brownish grey, fine to medium grained, highly fractured rock.				
13.25m Highly to moderately weathered, light yellowish brown, medium to coarse grained, medium fractured rock.			R10 R11 R12	CR=47% RQD=44% 14.00 CR=39% RQD=13% 14.75 CR=41% RQD=34% 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 : 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
Penetrometer (SPT)	5	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	5
		Disturbed (DS)	7
Vane (V)		Water Sample (WS)	0

Commencement Date : 02/12/15
Completion Date : 04/12/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.537 m.
Water Struck At :
Standing Water Level : 3.8 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m.				
			R13	CR=44% RQD=35% 16.25
			R14	CR=36% RQD=16% 17.00
			R15	CR=42% RQD=NIL 17.75
			R16	CR=35% RQD=31% 18.50
			R17	CR=55% RQD=39% 19.25
			R18	CR=39% RQD=25% 20.00
			R19	CR=44% RQD=28% 20.75
			R20	CR=38% RQD=32% 21.50
			R21	CR=40% RQD=27% 22.25
Highly to moderately weathered, light yellowish brown, medium to coarse grained, medium fractured rock.			R22	CR=45% RQD=24% 23.00
			R23	CR=48% RQD=13% 23.75
			R24	CR=44% RQD=17% 24.50
			R25	CR=43% RQD=16% 25.25
			R26	CR=48% RQD=24% 26.00
			R27	CR=40% RQD=33% 26.75
			R28	CR=43% RQD=19% 27.50
			R29	CR=39% RQD=13% 28.25
			R30	CR=45% RQD=20% 29.00
			R31	CR=42% RQD=38% 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-28

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	5	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	5
Vane (V)		Disturbed (DS)	7
		Water Sample (WS)	1

Commencement Date : 04/12/15
Completion Date : 07/12/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.514 m.
Water Struck At :
Standing Water Level : 3.7 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m.				
Medium, yellowish brown, silty clay. Obs. calcareous nodules & sand mixture.		2 2 2 (4)	DS-1	0.50
			SPT-1	1.00-1.45
1.80m.			DS-2	1.80
			UDS-1	2.00-2.45
			DS-3	2.70
Very stiff, yellowish brown, silty clay. Obs. calcareous nodules & sand mixture.		7 9 12 (21)	SPT-2	3.00-3.45
			WS-1	3.70
			DS-4	3.80
			UDS-2	4.00-4.45
4.50m.				
Dense, brownish grey, silty sand. Obs. clay binder & calcareous nodules.		15 13 20 (33)	DS-5	4.80
			SPT-3	5.00-5.45
5.80m.			DS-6	5.80
Very dense, brownish grey, silty sand. Obs. clay binder & calcareous nodules.		70 100 (>100) 10.0 cm Pentn.	SPT-4	6.00-6.25
7.00m.		100 Refusal 3.0 cm Pentn.	*SPT-5	7.00-7.03
		NX rotary drilling from 7.00m to 30.00m	R1	CR=33% RQD=NIL 7.00-7.75
			R2	CR=31% RQD=NIL 7.75-8.50
			R3	CR=33% RQD=NIL 8.50-9.25
			R4	CR=31% RQD=NIL 9.25-10.00
Highly weathered, yellowish brown, medium grained, highly fractured rock			R5	CR=29% RQD=NIL 10.00-10.75
			R6	CR=28% RQD=NIL 10.75-11.50
			R7	CR=28% RQD=13% 11.50-12.25
			R8	CR=26% RQD=NIL 12.25-13.00
13.00m.			R9	CR=48% RQD=NIL 13.00-13.75
Highly to moderately weathered, brownish grey, medium grained, medium fractured rock.			R10	CR=44% RQD=40% 13.75-14.50
			R11	CR=43% RQD=40% 14.50-15.25
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 : 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
Penetrometer (SPT)	5	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	5
Vane (V)		Disturbed (DS)	7
		Water Sample (WS)	1

Commencement Date : 04/12/15
Completion Date : 07/12/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.514 m.
Water Struck At :
Standing Water Level : 3.7 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m.			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
Highly to moderately weathered, brownish grey, medium grained, medium fractured rock.			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
30.00m.			R31	CR=48% RQD=20% 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-29

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	12	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	12
Vane (V)		Disturbed (DS)	10
		Water Sample (WS)	0

Commencement Date : 03/11/15
Completion Date : 07/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.442 m.
Water Struck At :
Standing Water Level : 4.2 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m.				
		9	DS-1	0.50
		4 4 5	SPT-1	1.00-1.45
			DS-2	1.75
			UDS-1	2.00-2.45
			DS-3	2.60
		16		
Stiff to very stiff, brownish grey to blackish grey, silty clay with traces of sand.		6 7 9	SPT-2	3.00-3.45
			DS-4	3.75
			UDS-2	4.00-4.45
		12		
		5 6 6	SPT-3	5.00-5.45
			DS-5	5.60
		13		
		4 6 7	SPT-4	6.00-6.45
6.70m.			DS-6	6.70
		85		
Very dense, greyish yellow, silty sand.		21 37 48	SPT-5	7.00-7.45
		>100	DS-7	7.70
		100 8.0 cm Pentn.	SPT-6	8.00-8.08
8.50m.		100 Refusal	*SPT-7	8.50-8.54 8.50
		4.0 cm Pentn.	R1	CR=20% RQD=NIL
		Refusal		9.25
		100	*SPT-8	9.25-9.32
		7.0 cm Pentn.	R2	CR=NIL RQD=NIL
		>100	DS-8	
		100	SPT-9	10.00-10.10 10.00
Completely to highly weathered, greyish yellow, fine to medium grained, highly fractured rock.		10.0 cm Pentn.	R3	CR=22% RQD=NIL
		Refusal		10.75
		100	*SPT-10	10.75-10.79 10.75
		4.0 cm Pentn.	R4	CR=NIL RQD=NIL
		Refusal	DS-9	
		100	*SPT-11	11.50-11.55 11.50
		5.0 cm Pentn.	R5	CR=18% RQD=NIL
		Refusal	DS-10	
12.25m.		100	*SPT-12	12.25-12.28 12.25
		3.0 cm Pentn.	R6	CR=28% RQD=NIL
				13.00
			R7	CR=29% RQD=NIL
		NX rotary drilling from 8.50m to 30.00m		13.75
Highly weathered, greyish yellow, medium to coarse grained, highly fractured rock.			R8	CR=25% RQD=NIL
				14.50
			R9	CR=26% RQD=NIL
15.50m.				15.25

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
Penetrometer (SPT)	12	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	12
Vane (V)		Disturbed (DS)	10
		Water Sample (WS)	0

Commencement Date : 03/11/15
Completion Date : 07/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.442 m.
Water Struck At :
Standing Water Level : 4.2 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m.				
Highly weathered, greyish yellow, medium to coarse grained, highly fractured rock.			R10	CR=28% RQD=NIL 16.00
			R11	CR=32% RQD=NIL 16.75
			R12	CR=28% RQD=NIL 17.50
			R13	CR=40% RQD=NIL 18.25
18.25m.				
Moderately to slightly weathered, greyish yellow, medium to coarse grained, highly fractured rock.			R14	CR=58% RQD=NIL 19.00
			R15	CR=52% RQD=NIL 19.75
			R16	CR=64% RQD=NIL 20.50
			R17	CR=68% RQD=NIL 21.25
			R18	CR=65% RQD=NIL 22.00
22.00m.				
Highly to moderately weathered, greyish yellow, medium to coarse grained, highly fractured rock.			R19	CR=44% RQD=21% 22.75
			R20	CR=36% RQD=NIL 23.50
			R21	CR=37% RQD=NIL 24.25
			R22	CR=35% RQD=20% 25.00
			R23	CR=48% RQD=16% 25.75
			R24	CR=52% RQD=27% 26.50
			R25	CR=34% RQD=NIL 27.25
			R26	CR=40% RQD=NIL 28.00
			R27	CR=42% RQD=NIL 28.75
			R28	CR=48% RQD=20% 29.50
30.00m.			R29	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-30

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	8	Undisturbed (UDS)	3
Cone (Pc)		Penetrometer (SPT)	8
Vane (V)		Disturbed (DS)	10
		Water Sample (WS)	0

Commencement Date : 26/11/15
Completion Date : 29/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 143.504 m.
Water Struck At :
Standing Water Level : 3.4 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Stiff, brownish yellow, silty clay with sand & kankars. Obs. calcareous nodules.		7 7 7 (14)	DS-1	0.50
			SPT-1	1.00-1.45
			DS-2	1.75
			UDS-1	2.00-2.45
2.50m			DS-3	2.70
Stiff to very stiff, blackish grey to brownish grey, silty clay Obs. calcareous nodules.		5 6 7 (13)	SPT-2	3.00-3.45
			DS-4	3.70
			UDS-2	4.00-4.45
			DS-5	4.70
		10 8 12 (20)	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 45 100/10.0 cm Pentn. (>100)	SPT-5	8.00-8.40
			DS-9	8.70
		36 65 100/7.0 cm Pentn. (>100)	SPT-6	9.00-9.37
			DS-10	9.60
		100/13.0 cm Pentn. (>100)	SPT-7	10.00-10.13
10.25m		100 Refusal / 7.0 cm Pentn.	*SPT-8	10.25-10.32
Moderately weathered, brownish yellow, medium to coarse grained, highly to moderately fractured rock.		NX rotary drilling from 10.25m to 30.00m	R1	CR=40% RQD=NIL 10.25-11.00
			R2	CR=41% RQD=21% 11.00-11.75
			R3	CR=40% RQD=NIL 11.75-12.50
			R4	CR=42% RQD=13% 12.50-13.25
			R5	CR=44% RQD=21% 13.25-14.00
14.00m			R6	CR=56% RQD=40% 14.00-14.75
Moderately weathered, brownish yellow, medium to coarse grained, highly to moderately fractured rock.			R7	CR=58% RQD=50% 14.75-15.50
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 : 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
Penetrometer (SPT)	8	Undisturbed (UDS)	3
Cone (Pc)		Penetrometer (SPT)	8
Vane (V)		Disturbed (DS)	10
		Water Sample (WS)	0

Commencement Date : 26/11/15
Completion Date : 29/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 143.504 m.
Water Struck At :
Standing Water Level : 3.4 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m. Moderately weathered, brownish yellow, medium to coarse grained, highly to moderately fractured rock. 16.25m.			R8	CR=60% RQD=57% 16.25
			R9	CR=49% RQD=32% 17.00
			R10	CR=44% RQD=NIL 17.75
			R11	CR=40% RQD=13% 18.50
			R12	CR=48% RQD=13% 19.25
			R13	CR=50% RQD=15% 20.00
Moderately weathered, brownish yellow, medium to coarse grained, moderately fractured rock.			R14	CR=45% RQD=NIL 20.75
			R15	CR=52% RQD=16% 21.50
			R16	CR=48% RQD=NIL 22.25
			R17	CR=51% RQD=28% 23.00
			R18	CR=40% RQD=13% 23.75
			R19	CR=43% RQD=19% 24.50
			R20	CR=48% RQD=NIL 25.25
25.25m. Moderately to slightly weathered, brownish yellow, medium to coarse grained, moderately fractured rock.			R21	CR=56% RQD=13% 26.00
			R22	CR=54% RQD=25% 26.75
			R23	CR=61% RQD=56% 27.50
			R24	CR=64% RQD=28% 28.25
			R25	CR=60% RQD=17% 29.00
30.00m.			R26	CR=62% 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 : 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
Penetrometer (SPT)	5	Undisturbed (UDS)	3
Cone (Pc)		Penetrometer (SPT)	5
Vane (V)		Disturbed (DS)	7
		Water Sample (WS)	1

Commencement Date : 15/11/15
Completion Date : 17/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 139.178 m.
Water Struck At :
Standing Water Level : 2.1 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m. Top soil consists of blackish grey, clayey silt with sand mixture. Obs. rusty spots. 0.50m.			DS-1	0.50
Stiff, blackish grey to brownish grey, silty clay with sand mixture. Obs. kankars & calcareous nodules.		6 6 7 (13)	SPT-1	1.00-1.45
			DS-2	1.75
			UDS-1	2.00-2.45
			WS-1	2.10
2.70m.			DS-3	2.70
Very stiff, greyish brown, silty clay with sand mixture. Obs. calcareous nodules.		6 7 10 (17)	SPT-2	3.00-3.45
			DS-4	3.75
			UDS-2	4.00-4.45
4.75m. Medium dense, brownish yellow, silty sand. Obs. clay binder & calcareous nodules.		8 7 11 (18)	DS-5	4.75
			SPT-3	5.00-5.45
5.70m. Very dense, brownish yellow, silty sand Obs. clay binder & calcareous nodules.			DS-6	5.70
			*UDS-3	6.00-6.08
		36 67 100 (>100)	SPT-4	6.50-6.85
6.85m. Very dense, yellowish brown, silty sand.		5.0 cm Pentn.	DS-7	7.00
7.25m.		100 Refusal	*SPT-5	7.25-7.32
		7.0 cm Pentn.	R1	CR=28% RQD=NIL 7.25 / 8.00
		NX rotary drilling from 7.25m to 30.00m	R2	CR=36% RQD=21% 8.00 / 8.75
Highly to moderately weathered, light brownish yellow, medium to fine grained, highly fractured rock			R3	CR=38% RQD=36% 8.75 / 9.50
			R4	CR=36% RQD=16% 9.50 / 10.25
			R5	CR=44% RQD=16% 10.25 / 11.00
			R6	CR=48% RQD=16% 11.00 / 11.75
11.75m.			R7	CR=80% RQD=76% 11.75 / 12.50
			R8	CR=60% RQD=43% 12.50 / 13.25
Moderately to slighly weathered, brownish yellow, fine grained, slightly fractured rock.			R9	CR=72% RQD=62% 13.25 / 14.00
			R10	CR=64% RQD=36% 14.00 / 14.75
			R11	CR=76% RQD=63% 14.75 / 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 : 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
Penetrometer (SPT)	5	Undisturbed (UDS)	3
Cone (Pc)		Penetrometer (SPT)	5
Vane (V)		Disturbed (DS)	7
		Water Sample (WS)	1

Commencement Date : 15/11/15
Completion Date : 17/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 139.178 m.
Water Struck At :
Standing Water Level : 2.1 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES 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 slighly 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
Penetrometer (SPT)	8	Undisturbed (UDS)	3
Cone (Pc)		Penetrometer (SPT)	8
Vane (V)		Disturbed (DS)	8
		Water Sample (WS)	0

Commencement Date : 22/11/15
Completion Date : 24/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 138.906 m.
Water Struck At :
Standing Water Level : 2.3 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	Depth (m)
0.00m. Medium dense, brownish grey, silty sand with traces of kankars.		3 5 7 (12)	DS-1	0.50
			SPT-1	1.00-1.45
1.60m.			DS-2	1.60
			*UDS-1	2.00-2.45
			DS-3	2.60
Medium dense, brownish grey, silty sand.		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.			DS-6	5.60
			*UDS-3	6.00-6.45
Very dense, reddish grey, silty sand.			DS-7	6.60
		16 32 44 (76)	SPT-4	7.00-7.45
7.65m.			DS-8	7.65
		49 100 (>100)	SPT-5	8.00-8.20
Very dense, reddish grey, silty sand with decomposed rock.		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
Completely to highly weathered, light brownish yellow, fine to medium grained, fractured rock. Obs. clay binder.		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.				11.25
Highly weathered, light brownish yellow, fine to medium grained, fractured rock. Obs. clay binder.		NX rotary drilling from 10.50m to 30.00m	R4	CR=27% RQD=NIL
			R5	12.00 CR=38% RQD=NIL
12.75m.				12.75
			R6	CR=32% RQD=NIL
				13.50
Highly weathered, light brownish yellow, fine to medium grained, highly fractured rock.			R7	CR=31% RQD=NIL
				14.25
			R8	CR=36% RQD=NIL
				15.00
15.50m.			R9	CR=32% RQD=NIL

BH-32/Sheet-1

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
Penetrometer (SPT)	8	Undisturbed (UDS)	3
Cone (Pc)		Penetrometer (SPT)	8
Vane (V)		Disturbed (DS)	8
		Water Sample (WS)	0

Commencement Date : 22/11/15
Completion Date : 24/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 138.906 m.
Water Struck At :
Standing Water Level : 2.3 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m. Highly weathered, light brownish yellow, fine to medium grained, highly fractured rock. 15.75m.				15.75
			R10 CR=34% RQD=NIL	16.50
			R11 CR=43% RQD=20%	17.25
			R12 CR=40% RQD=20%	18.00
			R13 CR=36% RQD=NIL	18.75
			R14 CR=40% RQD=NIL	19.50
Highly to moderately weathered, brownish yellow, medium to coarse grained, highly to moderately fractured rock.			R15 CR=42% RQD=28%	20.25
			R16 CR=40% RQD=NIL	21.00
			R17 CR=38% RQD=16%	21.75
			R18 CR=40% RQD=20%	22.50
			R19 CR=37% RQD=34%	23.25
23.25m.			R20 CR=56% RQD=47%	24.00
			R21 CR=54% RQD=32%	24.75
			R22 CR=56% RQD=36%	25.50
			R23 CR=55% RQD=16%	26.25
Moderately weathered, brownish yellow, medium to coarse grained, highly to moderately fractured rock.			R24 CR=50% RQD=40%	27.00
			R25 CR=48% RQD=13%	27.75
			R26 CR=56% RQD=17%	28.50
			R27 CR=60% RQD=56%	29.25
			R28 CR=52% RQD=44%	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 : 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
Penetrometer (SPT)	6	Undisturbed (UDS)	3
Cone (Pc)		Penetrometer (SPT)	6
Vane (V)		Disturbed (DS)	8
		Water Sample (WS)	0

Commencement Date : 19/11/15
Completion Date : 21/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 138.423 m.
Water Struck At :
Standing Water Level : 2.3 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES 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.			DS-3	2.75
Very loose, brownish yellow, silty sand.		1 1 2 (3)	SPT-2	3.00-3.45
			DS-4	3.75
			*UDS-2	4.00-4.45
		2 1 2 (3)	DS-5	4.75
			SPT-3	5.00-5.45
			DS-6	5.75
			*UDS-3	6.00-6.45
		8 7 10 (17)	DS-7	6.75
			SPT-4	7.00-7.45
7.75m.			DS-8	7.75
Very dense, brownish yellow, silty sand with decomposed rock.		26 100/3.0 cm Pentn. (>100)	SPT-5	8.00-8.18
8.25m.		100/7.0 cm Pentn. Refusal	*SPT-6	8.25-8.32
			R1	CR=25% RQD=NIL (8.25 - 9.00)
		NX rotary drilling from 8.25m to 30.00m	R2	CR=36% RQD=NIL (9.00 - 9.75)
			R3	CR=39% RQD=NIL (9.75 - 10.50)
Highly weathered, brownish yellow, medium to fine grained, highly fractured rock.			R4	CR=40% RQD=13% (10.50 - 11.25)
			R5	CR=40% RQD=16% (11.25 - 12.00)
			R6	CR=36% RQD=NIL (12.00 - 12.75)
			R7	CR=32% RQD=NIL (12.75 - 13.50)
13.50m.			R8	CR=48% RQD=28% (13.50 - 14.25)
Moderately weathered, light brownish yellow, fine grained, moderately fractured rock.			R9	CR=45% RQD=16% (14.25 - 15.00)
15.50m.			R10	CR=50% RQD=45%

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
Penetrometer (SPT)	6	Undisturbed (UDS)	3
Cone (Pc)		Penetrometer (SPT)	6
Vane (V)		Disturbed (DS)	8
		Water Sample (WS)	0

Commencement Date : 19/11/15
Completion Date : 21/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 138.423 m.
Water Struck At :
Standing Water Level : 2.3 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
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
Moderately weathered, light brownish yellow, fine grained, moderately fractured rock.			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
Penetrometer (SPT)	7	Undisturbed (UDS)	3
Cone (Pc)		Penetrometer (SPT)	7
Vane (V)		Disturbed (DS)	9
		Water Sample (WS)	0

Commencement Date : 08/11/15
Completion Date : 12/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 144.631 m.
Water Struck At :
Standing Water Level : 4.3 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m.				
Soft, brownish yellow, silty clay with sand mixture. Obs. calcareous nodules.		1 1 2 — 3	DS-1	0.50
			SPT-1	1.00-1.45
			DS-2	1.70
			UDS-1	2.00-2.45
2.75m.			DS-3	2.75
Medium, yellowish brown, silty clay. Obs. kankars.		2 2 3 — 5	SPT-2	3.00-3.45
			DS-4	3.75
4.45m.			UDS-2	4.00-4.45
Medium, brownish grey, silty clay with sand mixture.		3 3 4 — 7	DS-5	4.70
			SPT-3	5.00-5.45
5.70m.			DS-6	5.70
			*UDS-3	6.00-6.45
Very dense, yellowish brown, silty sand.		>100	DS-7	6.75
		34 100 — 8.0 cm Pentn.	SPT-4	7.00-7.23
			DS-8	7.60
		>100	SPT-5	8.00-8.20
		44 100 — 5.0 cm Pentn.	DS-9	8.50
8.50m.			SPT-6	9.00-9.13
Hard, brownish yellow, silty clay with sand mixture.		>100 — 100 — 13.0 cm Pentn.	*SPT-7	9.25-9.31
9.25m.		100 — Refusal — 6.0 cm Pentn.	R1	CR=28% RQD=NIL 9.25
		NX rotary drilling from 9.25m to 30.00m	R2	CR=26% RQD=NIL 10.00
			R3	CR=30% RQD=NIL 10.75
			R4	CR=28% RQD=20% 11.50
Highly weathered, brownish yellow, medium to coarse grained, highly fractured rock.			R5	CR=30% RQD=NIL 12.25
			R6	CR=28% RQD=26% 13.00
			R7	CR=26% RQD=NIL 13.75
			R8	CR=28% 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 : 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
Penetrometer (SPT)	7	Undisturbed (UDS)	3
Cone (Pc)		Penetrometer (SPT)	7
Vane (V)		Disturbed (DS)	9
		Water Sample (WS)	0

Commencement Date : 08/11/15
Completion Date : 12/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 144.631 m.
Water Struck At :
Standing Water Level : 4.3 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m.			R9	CR=25% RQD=NIL 16.00
Highly weathered, brownish yellow, medium to coarse grained, highly fractured rock.			R10	CR=30% RQD=NIL 16.75
			R11	CR=28% RQD=NIL 17.50
			R12	CR=26% RQD=NIL 18.25
			R13	CR=27% RQD=NIL 19.00
			R14	CR=28% RQD=26% 19.75
19.75m.			R15	CR=32% RQD=24% 20.50
Highly to moderately weathered, yellowish brown, fine grained, highy to moderately fractured rock.			R16	CR=30% RQD=NIL 21.25
			R17	CR=36% RQD=NIL 22.00
			R18	CR=30% RQD=NIL 22.75
			R19	CR=28% RQD=24% 23.50
			R20	CR=36% RQD=23% 24.25
			R21	CR=48% RQD=14% 25.00
25.75m.			R22	CR=50% RQD=13% 25.75
Moderately weathered, yellowish brown, fine grained, highly to moderately fractured rock.			R23	CR=60% RQD=44% 26.50
			R24	CR=58% RQD=36% 27.25
27.25m.			R25	CR=60% RQD=NIL 28.00
Moderately to slightly weathered, light greyish yellow, medium grained, highly fractured rock.			R26	CR=57% RQD=NIL 28.75
			R27	CR=58% RQD=NIL 29.50
30.00m.			R28	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 : 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
Penetrometer (SPT)	6	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	6
Vane (V)		Disturbed (DS)	5
		Water Sample (WS)	0

Commencement Date : 31/10/15
Completion Date : 03/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 143.761 m.
Water Struck At :
Standing Water Level : 4.1 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Stiff, greyish brown, silty clay with sand & calcareous nodules.		3 3 7 — 10	DS-1	0.50
			SPT-1	1.00-1.45
			DS-2	1.50
			UDS-1	2.00-2.45
			DS-3	2.75
3.00m				
Stiff, yellowish brown, silty clay with kankar.		6 6 7 — 13	SPT-2	3.00-3.45
			DS-4	3.60
			UDS-2	4.00-4.45
4.75m				
Very dense, brownish yellow, silty sand with grey patches.		32 100 — >100 (9.0 cm Pentn.)	DS-5	4.75
			SPT-3	5.00-5.24
5.50m		100 — Refusal (7.0 cm Pentn.)	SPT-4	5.50-5.57
			R1	CR=37% RQD=NIL
				6.25
Highly weathered, yellowish grey, medium grained, highly fractured rock.		NX rotary drilling from 5.50m to 30.00m	R2	CR=39% RQD=NIL
				7.00
			R3	CR=34% RQD=NIL
				7.75
			R4	CR=33% RQD=NIL
8.50m				8.50
			R5	CR=38% RQD=NIL
				9.25
			R6	CR=34% RQD=19%
				10.00
Highly weathered, yellowish brown, medium grained, highly fractured rock.			R7	CR=30% RQD=NIL
				10.75
			R8	CR=40% RQD=NIL
				11.50
			R9	CR=35% RQD=NIL
				12.25
			R10	CR=36% RQD=NIL
13.00m				13.00
			R11	CR=NIL RQD=NIL
Completely weathered, decomposed & disintegrated rock particles collected as sludge.		Refusal	*SPT-5	13.75-13.83
		100 — 8.0 cm Pentn.	R12	CR=NIL RQD=NIL
14.50m		100 — Refusal		13.75
Highly to moderately weathered, yellowish grey, medium grained, highly fractured rock.		9.0 cm Pentn.	*SPT-6	14.50-14.59
			R13	CR=36% RQD=NIL
15.50m				14.50
				15.25

BH-35/Sheet-1

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
Penetrometer (SPT)	6	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	6
Vane (V)		Disturbed (DS)	5
		Water Sample (WS)	0

Commencement Date : 31/10/15
Completion Date : 03/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 143.761 m.
Water Struck At :
Standing Water Level : 4.1 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m.			R14	CR=28% RQD=NIL 16.00
Highly to moderately weathered, yellowish grey, medium grained, highly fractured rock.			R15	CR=56% RQD=NIL 16.75
			R16	CR=54% RQD=NIL 17.50
			R17	CR=41% RQD=20% 18.25
18.25m.			R18	CR=43% RQD=14% 19.00
Moderately weathered, yellowish grey, medium grained, highly fractured rock.			R19	CR=60% RQD=56% 19.75
			R20	CR=40% RQD=NIL 20.50
			R21	CR=52% RQD=28% 21.25
20.50m.			R22	CR=60% RQD=40% 22.00
			R23	CR=54% RQD=52% 22.75
			R24	CR=43% RQD=16% 23.50
			R25	CR=52% RQD=26% 24.25
Moderately weathered, yellowish brown, medium to fine grained, highly to moderately fractured rock.			R26	CR=54% RQD=33% 25.00
			R27	CR=56% RQD=40% 25.75
			R28	CR=58% RQD=20% 26.50
			R29	CR=54% RQD=26% 27.25
			R30	CR=58% RQD=56% 28.00
			R31	CR=42% RQD=21% 28.75
28.75m.			R32	CR=44% RQD=NIL 29.50
Moderately weathered, yellowish brown, medium to fine grained, highly to moderatley fractured rock.			R33	CR=42% RQD=NIL 30.00
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 : 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
Penetrometer (SPT)	5	Undisturbed (UDS)	1
Cone (Pc)		Penetrometer (SPT)	5
Vane (V)		Disturbed (DS)	8
		Water Sample (WS)	0

Commencement Date : 04/11/15
Completion Date : 07/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 139.595 m.
Water Struck At :
Standing Water Level : 1.1 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m. Very dense, brownish yellow, silty sand.		17 35 47 — 82	DS-1	0.50
			SPT-1	1.00-1.45
1.75m. Hard, yellowish brown, silty clay with kankars. Obs calcareous nodules.			DS-2	1.75
			UDS-1	2.00-2.45
			DS-3	2.70
		47 100 — >100	SPT-2	3.00-3.25
		10.0 cm Pentn.	DS-4	3.75
3.75m. Very dense, yellowish brown, silty sand. Obs. mica.		100 — >100	SPT-3	4.00-4.13
		13.0 cm Pentn.	DS-5	4.50
		100 — >100	SPT-4	5.00-5.09
		9.0 cm Pentn.	DS-6	5.50
5.75m.		100 — Refusal	*SPT-5	5.75-5.78
		3.0 cm Pentn.	R1	CR=34% RQD=NIL 6.50
Highly weathered, brownish yellow, medium to fine grained, highly fracturd rock.		NX rotary drilling from 5.75m to 30.00m	R2	CR=31% RQD=15% 7.25
			R3	CR=27% RQD=NIL 8.00
			R4	CR=29% RQD=NIL 8.75
			R5	CR=31% RQD=NIL 9.50
			R6	CR=28% RQD=NIL 10.25
			R7	CR=34% RQD=NIL 11.00
			R8	CR=35% RQD=26% 11.75
			R9	CR=37% RQD=NIL 12.50
			R10	CR=32% RQD=NIL 13.25
			R11	CR=28% RQD=NIL 14.00
			R12	CR=35% RQD=NIL 14.75
15.50m.			R13	CR=37% RQD=28% 15.50

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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 : 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
Penetrometer (SPT)	5	Undisturbed (UDS)	1
Cone (Pc)		Penetrometer (SPT)	5
Vane (V)		Disturbed (DS)	8
		Water Sample (WS)	0

Commencement Date : 04/11/15
Completion Date : 07/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 139.595 m.
Water Struck At :
Standing Water Level : 1.1 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m.				
Highly weathered, brownish yellow, medium to fine grained, highly fracturd 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 grianed, 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
			DS-7	21.50
			R22	CR=NIL RQD=NIL
22.25m.			DS-8	22.25
Highly to moderately weathered, brownish yellow, medium to fine grained, highly fractured rock.			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
Penetrometer (SPT)	4	Undisturbed (UDS)	1
Cone (Pc)		Penetrometer (SPT)	4
		Disturbed (DS)	4
Vane (V)		Water Sample (WS)	0

Commencement Date : 29/10/15
Completion Date : 01/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.987 m.
Water Struck At :
Standing Water Level : 3.95m

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
			DS-1	0.50
		19		
		7 9 10	SPT-1	1.00-1.45
Very stiff, brownish grey to yellowish grey, silty clay with traces of sand.			DS-2	1.75
			UDS-1	2.00-2.45
			DS-3	2.60
		30		
		9 11 19	SPT-2	3.00-3.45
3.60m			DS-4	3.60
Very dense, yellowish grey, silty sand. Obs. rock pieces.		>100		
		31 100/5.0 cm Pentn.	SPT-3	4.00-4.20
4.50m		100/7.0 cm Pentn. Refusal	*SPT-4	4.50-4.57
			R1	CR=22% RQD=NIL 4.50-5.25
		NX rotary drilling from 4.5m to 30.00m	R2	CR=23% RQD=NIL 5.25-6.00
			R3	CR=27% RQD=NIL 6.00-6.75
			R4	CR=30% RQD=NIL 6.75-7.50
			R5	CR=28% RQD=NIL 7.50-8.25
			R6	CR=25% RQD=NIL 8.25-9.00
			R7	CR=28% RQD=NIL 9.00-9.75
Highly weathered, yellowish grey, coarse grained, fractured rock.			R8	CR=25% RQD=NIL 9.75-10.50
			R9	CR=27% RQD=NIL 10.50-11.25
			R10	CR=28% RQD=NIL 11.25-12.00
			R11	CR=24% RQD=NIL 12.00-12.75
			R12	CR=26% RQD=NIL 12.75-13.50
			R13	CR=29% RQD=NIL 13.50-14.25
			R14	CR=27% RQD=NIL 14.25-15.00
15.50m			R14	CR=32% RQD=13%

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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-39

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	4	Undisturbed (UDS)	1
Cone (Pc)		Penetrometer (SPT)	4
		Disturbed (DS)	4
Vane (V)		Water Sample (WS)	0

Commencement Date : 29/10/15
Completion Date : 01/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.987 m.
Water Struck At :
Standing Water Level : 3.95m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	Depth (m)
15.50m. Highly weathered, yellowish grey, coarse grained, fractured rock.				15.75
			R16 CR=27% RQD=NIL	16.50
16.50m. Highly weathered, yellowish grey, fine grained, fractured rock.			R17 CR=33% RQD=NIL	17.25
			R18 CR=30% RQD=NIL	18.00
18.00m.			R19 CR=32% RQD=NIL	18.75
			R20 CR=34% RQD=NIL	19.50
			R21 CR=40% RQD=NIL	20.25
			R22 CR=40% RQD=NIL	21.00
			R23 CR=25% RQD=NIL	21.75
			R24 CR=27% RQD=NIL	22.50
			R25 CR=24% RQD=NIL	23.25
Highly weathered, yellowish grey, coarse grained, fractured rock. Obs. shale band.			R26 CR=28% RQD=NIL	24.00
			R27 CR=30% RQD=NIL	24.75
			R28 CR=26% RQD=NIL	25.50
			R29 CR=28% RQD=NIL	26.25
			R30 CR=36% RQD=12%	27.00
			R31 CR=28% RQD=NIL	27.75
			R32 CR=30% RQD=NIL	28.50
			R33 CR=27% RQD=NIL	29.25
30.00m.			R34 CR=29% 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 : 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
Penetrometer (SPT)	12	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	12
Vane (V)		Disturbed (DS)	4
		Water Sample (WS)	0

Commencement Date : 20/10/15
Completion Date : 21/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.709 m.
Water Struck At :
Standing Water Level : 3.5 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES 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			UDS-1	2.00-2.45
Dense, yellowish grey to brownish grey, silty sand.		8 17 19 — 36	SPT-2	3.00-3.45
3.50m			*UDS-2	4.00-4.45
Very dense, yellowish grey to brownish grey, silty sand.		>100	DS-2	4.80
		80/100	SPT-3	5.00-5.25
5.40m		100 — 10.0 cm Pentn. Refusal	*SPT-4	5.40-5.45
		5.0 cm Pentn.	R1	CR=40% RQD=13% 6.15
Highly to moderately weathered, brownish grey to greyish brown, medium to coarse grained, fractured rock. Obs. mica.			R2	CR=44% RQD=22% 6.90
			R3	CR=26% RQD=NIL 7.65
7.65m			R4	CR=24% RQD=NIL 8.40
		NX rotary drilling from 5.40m to 30.00m	R5	CR=25% RQD=NIL 9.15
			R6	CR=28% RQD=NIL 9.86
			R7	CR=29% RQD=NIL 10.60
Highly to moderately weathered, brownish grey to greyish brown, medium to coarse grained, fractured rock. Obs. mica.		Refusal	R8	CR=NIL RQD=NIL
		100 — 3.0 cm Pentn.	*SPT-5	11.35-11.38 11.35
			R9	CR=32% RQD=NIL 12.00
			R10	CR=30% RQD=NIL 12.75
			R11	CR=26% RQD=NIL 13.50
			R12	CR=29% RQD=NIL 14.25
			R13	CR=33% RQD=NIL 15.00
Highly weathered, brownish grey to greyish brown, medium to coarse grained, fractured rock. Obs. mica. 15.00m 15.50m			R14	CR=21% RQD=NIL

BH-40/Sheet-1

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
Penetrometer (SPT)	12	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	12
Vane (V)		Disturbed (DS)	4
		Water Sample (WS)	0

Commencement Date : 20/10/15
Completion Date : 21/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.709 m.
Water Struck At :
Standing Water Level : 3.5 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	Ref. No	Depth (m)
				15.75
15.50m. Highly weathered, brownish grey to 15.75m. greyish brown, medium to coarse grained, fractured rock. Obs. mica.		Refusal	R15	CR=NIL RQD=NIL
		100 5.0 cm Pentn.	*SPT-6	16.50-16.55 16.50
		Refusal	R16	CR=NIL RQD=NIL
		100 8.0 cm Pentn.	SPT-7	17.25-17.33 17.25
		Refusal	R17	CR=NIL RQD=NIL
		100 3.0 cm Pentn.	*SPT-8	18.00-18.03 18.00
		Refusal	R18	CR=NIL RQD=NIL
		100 4.0 cm Pentn.	*SPT-9	18.75-18.79 18.75
Completely weathered, brownish grey to greyish brown, medium grained, sand stone fragment collected as sludge. Obs. mica.			R19	CR=26% RQD=16%
				19.50
			R20	CR=32% RQD=NIL
				20.25
			R21	CR=NIL RQD=NIL
		Refusal	*SPT-10	21.00-21.02 21.00
		100 2.0 cm Pentn.	R22 DS-3	CR=NIL RQD=NIL
		Refusal	*SPT-11	21.75-21.78 21.75
		100 3.0 cm Pentn.	R23 DS-4	CR=NIL RQD=NIL
22.50m.		Refusal	*SPT-12	22.50-22.56 22.50
		100 6.0 cm Pentn.	R24	CR=30% RQD=16%
				23.25
Highly to moderately weathered, brownish grey to greyish brown, medium to coarse grained sandstone. Obs. mica.			R25	CR=40% RQD=NIL
				24.00
			R26	CR=41% RQD=NIL
				24.75
			R27	CR=44% RQD=NIL
25.50m.				25.50
			R28	CR=41% RQD=NIL
				26.25
			R29	CR=42% RQD=NIL
				27.00
Moderately weathered, brownish grey to blackish grey, medium grained, partly fractured rock.			R30	CR=53% RQD=21%
				27.75
			R31	CR=48% RQD=NIL
				28.50
			R32	CR=52% RQD=18%
				29.25
			R33	CR=50% RQD=33%
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 : 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
Penetrometer (SPT)	11	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	11
Vane (V)		Disturbed (DS)	7
		Water Sample (WS)	0

Commencement Date : 24/10/15
Completion Date : 26/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 144.695 m.
Water Struck At :
Standing Water Level : 3.6 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Very stiff, blackish grey, silty clay.		4 7 9 — 16	DS-1	0.50
			SPT-1	1.00-1.45
			UDS-1	2.00-2.45
3.00m		11 19 24 — 43	SPT-2	3.00-3.45
Hard, blackish grey, silty clay.			*UDS-2	4.00-4.10
			DS-2	4.60
5.50m		17 26 31 — 57	SPT-3	5.00-5.45
Very dense, brownish grey to yellowish grey, silty sand.			DS-3	6.00
		26 29 77 — >100	SPT-4	6.50-6.95
			DS-4	7.40
		67 100 — >100	SPT-5	7.60-7.80
8.00m		100 — 5.0 cm Pentn. Refusal	*SPT-6	8.00-8.04
Completely to highly weathered, brownish grey, medium to coarse grained rock.		4.0 cm Pentn.	R1	CR=26% RQD=NIL 8.00-8.75
		NX rotary drilling from 8.00m to 30.00m	R2	CR=21% RQD=10% 8.75-9.50
			R3	CR=29% RQD=10% 9.50-10.25
			R4	CR=24% RQD=NIL 10.25-11.00
			R5	CR=26% RQD=NIL 11.00-11.75
			R6	CR=NIL RQD=NIL 11.75-12.50
		100 — Refusal	*SPT-7	12.50-12.54
		4.0 cm Pentn.	R7	CR=26% RQD=NIL 12.50-13.25
13.25m			R8	CR=33% RQD=NIL 13.25-14.00
Highly to moderately weathered, brownish grey, medium to coarse grained rock.			R9	CR=30% RQD=NIL 14.00-14.75
			R10	CR=42% RQD=20% 14.75-15.50
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-41

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	11	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	11
		Disturbed (DS)	7
Vane (V)		Water Sample (WS)	0

Commencement Date : 24/10/15
Completion Date : 26/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 144.695 m.
Water Struck At :
Standing Water Level : 3.6 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m.			R11	CR=37% RQD=NIL — 16.25
			R12	CR=34% RQD=32% — 17.00
			R13	CR=38% RQD=13% — 17.75
			R14	CR=22% RQD=NIL — 18.50
			R15	CR=25% RQD=NIL — 19.25
			R16	CR=22% RQD=NIL — 20.00
			R17	CR=28% RQD=NIL — 20.75
Completely to highly weathered, brownish grey to yellowish brown, medium to coarse graned rock.		Refusal 100 / 5.0 cm Pentn.	R18	CR=NIL RQD=NIL
			*SPT-8	21.50-21.55 — 21.50
		Refusal 100 / 3.0 cm Pentn.	R19 DS-5	CR=NIL RQD=NIL
			*SPT-9	22.25-22.28 — 22.25
			R20	CR=28% RQD=NIL — 23.00
			R21	CR=24% RQD=NIL — 23.75
			R22	CR=28% RQD=NIL — 24.50
			R23	CR=34% RQD=NIL — 25.25
			R24	CR=30% RQD=15% — 26.00
			R25	CR=34% RQD=27% — 26.75
			R26	CR=37% RQD=22% — 27.50
27.50m.			R27 DS-6	CR=NIL RQD=NIL
		Refusal 100 / 10.0 cm Pentn.	*SPT-10	28.25-28.35 — 28.25
Completely to highly weathered, brownish grey to yellowish brown, medium to coarse graned rock.			R28 DS-7	CR=NIL RQD=NIL
		Refusal 100 / 6.0 cm Pentn.	*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
Penetrometer (SPT)	10	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	10
		Disturbed (DS)	5
Vane (V)		Water Sample (WS)	1

Commencement Date : 22/10/15
Completion Date : 24/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 143.899 m.
Water Struck At :
Standing Water Level : 3.6 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES 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			DS-2	2.60
Hard, brownish grey to blackish grey, silty clay with traces of calcareous nodules.		6 18 25 — 43	SPT-2	3.00-3.45
			WS-1	3.60
4.30m			*UDS-2	4.00-4.45
			DS-3	4.50
Very dense, brownish grey to yellowish grey, silty coarse sand. Obs. calcareous nodules & clay band.		32 47 67 — >100	SPT-3	5.00-5.45
			DS-4	5.70
		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
		NX rotary drilling from 8.00m to 30.00m	R3	CR=28% RQD=NIL
			R4	CR=30% RQD=NIL
			R5	CR=31% RQD=NIL
Completely to highly weathered, brownish grey to yellowish grey, medium to coarse grained, partly fractured rock.		Refusal	R6	CR=NIL RQD=NIL
		100	*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				

8.00 → 8.75 → 9.50 → 10.25 → 11.00 → 11.75 → 12.50 → 13.25 → 14.00 → 14.75 → 15.50

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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-42

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	10	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	10
		Disturbed (DS)	5
Vane (V)		Water Sample (WS)	1

Commencement Date : 22/10/15
Completion Date : 24/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 143.899 m.
Water Struck At :
Standing Water Level : 3.6 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m.		100 Refusal 4.0 cm Pentn.	*SPT-8	15.50-15.54
			R11	CR=NIL RQD=NIL
		100 Refusal 5.0 cm Pentn.	*SPT-9	16.25-16.30
			R12	CR=29% RQD=NIL
			R13	CR=32% RQD=NIL
			R14	CR=30% RQD=NIL
			R15	CR=29% RQD=NIL
			R16	CR=28% RQD=NIL
			R17	CR=29% RQD=NIL
			R18	CR=33% RQD=26%
			R19	CR=34% RQD=NIL
Completely to highly weathered, brownish grey to yellowish grey, medium to coarse grained, partly fractured rock.			R20	CR=32% RQD=NIL
			R21	CR=32% RQD=NIL
			R22	CR=NIL RQD=NIL
			R23	CR=25% RQD=NIL
			R24	CR=31% RQD=NIL
			R25	CR=NIL RQD=NIL
		100 Refusal 4.0 cm Pentn.	*SPT-10	26.75-26.79
			R26	CR=32% RQD=NIL
			R27	CR=33% RQD=NIL
			R28	CR=34% RQD=NIL
			R29	CR=40% RQD=21%
30.00m.				

16.25
17.00
17.75
18.50
19.25
20.00
20.75
21.50
22.25
23.00
23.75
24.50
25.25
26.00
26.75
27.50
28.25
29.00
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 : 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
Penetrometer (SPT)	5	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	5
Vane (V)		Disturbed (DS)	3
		Water Sample (WS)	0

Commencement Date : 20/10/15
Completion Date : 23/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 143.721 m.
Water Struck At :
Standing Water Level : 3.05 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
			DS-1	1.00
		39		
		15 17 22	SPT-1	1.50-1.95
Hard. brownish grey to blackish grey, silty clay with traces of sand mixture.			UDS-1	2.50-2.95
		35		
		15 16 19	SPT-2	3.50-3.95
			DS-2	4.20
			*UDS-2	4.50-4.95
		67		
		17 29 38	SPT-3	5.50-5.95
6.00m				
Hard, brownish grey to yellowish brown, silty clay. Obs. calcareous nodules.		>100	DS-3	6.30
		17 70 100	SPT-4	6.50-6.82
7.00m		100 2.0 cm Pentn. Refusal 4.0 cm Pentn.	*SPT-5	7.00-7.04
		NX rotary drilling from 7.00m to 30.00m	R1	CR=63%/RQD=NIL 7.00-7.30
			R2	CR=45% RQD=NIL 7.30-8.00
			R3	CR=40% RQD=NIL 8.00-8.75
			R4	CR=42% RQD=NIL 8.75-9.50
			R5	CR=33% RQD=NIL 9.50-10.25
			R6	CR=29% RQD=NIL 10.25-11.00
Highly weathered, brownish grey, medium grained, completely fractured rock.			R7	CR=32% RQD=NIL 11.00-11.75
			R8	CR=29% RQD=NIL 11.75-12.50
			R9	CR=34% RQD=NIL 12.50-13.25
			R10	CR=26% RQD=NIL 13.25-14.00
			R11	CR=36% RQD=NIL 14.00-14.75
			R12	CR=17% RQD=NIL 14.75-15.50
15.50m				

BH-43/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 : 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
Penetrometer (SPT)	5	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	5
Vane (V)		Disturbed (DS)	3
		Water Sample (WS)	0

Commencement Date : 20/10/15
Completion Date : 23/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 143.721 m.
Water Struck At :
Standing Water Level : 3.05 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m. Highly weathered, brownish grey, medium grained, completely fractured rock.			R13	CR=24% RQD=NIL 16.25
16.25m. Highly weathered, brownish grey, medium grained, highly fractured rock.			R14	CR=26% RQD=NIL 17.00
			R15	CR=21% RQD=NIL 17.75
17.75m.			R16	CR=22% RQD=NIL 18.50
			R17	CR=27% RQD=NIL 19.25
			R18	CR=29% RQD=NIL 20.00
			R19	CR=30% RQD=NIL 20.75
			R20	CR=24% RQD=NIL 21.50
			R21	CR=29% RQD=NIL 22.25
			R22	CR=25% RQD=NIL 23.00
Highly to moderately weathered, brownish grey to blackish grey, medium grained rock.			R23	CR=21% RQD=NIL 23.75
			R24	CR=26% RQD=NIL 24.50
			R25	CR=33% RQD=14% 25.25
			R26	CR=37% RQD=NIL 26.00
			R27	CR=33% RQD=NIL 26.75
			R28	CR=44% RQD=NIL 27.50
			R29	CR=46% RQD=NIL 28.25
			R30	CR=47% RQD=NIL 29.00
			R31	CR=42% RQD=23% 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-45

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	5	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	5
		Disturbed (DS)	5
Vane (V)		Water Sample (WS)	0

Commencement Date : 24/10/15
Completion Date : 28/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 144.149 m.
Water Struck At :
Standing Water Level : 1.9 m.

DESCRIPTION	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	Depth (m)
0.00m. Stiff, greyish brown, silty clay.	4 5 5 (10)	DS-1	0.50
		SPT-1	1.00-1.45
1.50m.		DS-2	1.75
		*UDS-1	2.00-2.15
Medium dense, yellowish grey, silty sand.	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.	42 100/10.0 cm Pentn. (>100)	SPT-3	5.00-5.25
		DS-4	5.75
6.00m.	100/12.0 cm Pentn. (>100) Refusal	SPT-4	6.00-6.12
		R1	CR=NIL RQD=NIL
	100/6.0 cm Pentn.	DS-5 / *SPT-5	7.00-7.06
Completely weathered, brownish grey to yellowish grey, coarse to medium grained, fractured rock. Obs. shale band.	NX rotary drilling from 6.00m to 30.00m	R2	CR=25% RQD=NIL
		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
Highly weathered, brownish grey to yellowish grey, coarse grained rock.		R9	CR=24% RQD=NIL
		R10	CR=22% RQD=NIL
		R11	CR=26% RQD=NIL
		R12	CR=24% RQD=NIL
15.50m.			

6.00 7.00 7.75 8.50 9.25 10.00 10.75 11.50 12.25 13.00 13.75 14.50 15.25

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
Penetrometer (SPT)	5	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	5
Vane (V)		Disturbed (DS)	5
		Water Sample (WS)	0

Commencement Date : 24/10/15
Completion Date : 28/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 144.149 m.
Water Struck At :
Standing Water Level : 1.9 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m.			R13	CR=27% RQD=NIL 16.00
Highly weathered, brownish grey to yellowish grey, coarse grained rock.			R14	CR=25% RQD=NIL 16.75
			R15	CR=28% RQD=NIL 17.50
			R16	CR=26% RQD=NIL 18.25
			R17	CR=23% RQD=NIL 19.00
19.00m.			R18	CR=36% RQD=NIL 19.75
Highly weathered, brownish grey to yellowish grey, fine grained, fractured rock.			R19	CR=27% RQD=NIL 20.50
			R20	CR=25% RQD=NIL 21.25
21.50m.			R21	CR=36% RQD=NIL 22.00
Highly weathered, yellowish grey, medium to coarse grained, fractured rock.			R22	CR=38% RQD=NIL 22.75
23.00m.			R23	CR=40% RQD=NIL 23.50
			R24	CR=36% RQD=NIL 24.25
			R25	CR=41% RQD=NIL 25.00
			R26	CR=48% RQD=NIL 25.75
Highly to moderately weathered, yellowish grey to brownish grey, fine grained, fractured shale. Obs. sandstone.			R27	CR=36% RQD=NIL 26.50
			R28	CR=38% RQD=NIL 27.25
			R29	CR=47% RQD=NIL 28.00
			R30	CR=44% RQD=NIL 28.75
			R31	CR=49% RQD=NIL 29.50
30.00m.			R32	CR=45% 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 : 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
Penetrometer (SPT)	8	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	8
Vane (V)		Disturbed (DS)	4
		Water Sample (WS)	1

Commencement Date : 30/10/15
Completion Date : 03/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 145.162 m.
Water Struck At :
Standing Water Level : 3.0 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m.				
Very stiff, brownish grey to greyish brown, silty clay wtih 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.			DS-2	2.60
			WS-1	3.00
Hard, brownish grey to greyish brown, silty clay wtih sand mixture. Obs. calcareous nodules.		12 17 27 — 44	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 3.0 cm Pentn. — ≥100	SPT-3	5.00-5.33
		67/100 10.0 cm Pentn. — ≥100	SPT-4	5.50-5.75
6.00m.		100/5.0 cm Pentn. — Refusal	*SPT-5	6.00-6.05
		NX rotary drilling from 6.00m to 30.00m	R1	CR=26% RQD=NIL 6.00 - 6.75
			R2	CR=31% RQD=NIL 6.75 - 7.50
			R3	CR=33% RQD=NIL 7.50 - 8.25
			R4	CR=31% RQD=NIL 8.25 - 9.00
			R5	CR=42% RQD=39% 9.00 - 9.75
			R6	CR=35% RQD=NIL 9.75 - 10.50
Highly to moderately weathered, brownish grey to greyish brown, medium to fine grained rock.			R7	CR=33% RQD=NIL 10.50 - 11.25
			R8	CR=39% RQD=NIL 11.25 - 12.00
			R9	CR=57% RQD=NIL 12.00 - 12.75
			R10	CR=45% RQD=NIL 12.75 - 13.50
			R11	CR=40% RQD=NIL 13.50 - 14.25
			R12	CR=44% RQD=NIL 14.25 - 15.00
15.50m.			R13	CR=43% 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 : 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
Penetrometer (SPT)	8	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	8
Vane (V)		Disturbed (DS)	4
		Water Sample (WS)	1

Commencement Date : 30/10/15
Completion Date : 03/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 145.162 m.
Water Struck At :
Standing Water Level : 3.0 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m.				15.75
			R14 CR=40% RQD=NIL	16.50
			R15 CR=44% RQD=NIL	17.25
			R16 CR=48% RQD=NIL	18.00
Highly to moderately weathered, brownish grey to greyish brown, medium to fine grained rock.			R17 CR=31% RQD=NIL	18.75
			R18 CR=33% RQD=NIL	19.50
			R19 CR=27% RQD=NIL	20.25
			R20 CR=35% RQD=NIL	21.00
			R21 CR=32% RQD=NIL	21.75
			R22 CR=32% RQD=NIL	22.50
22.50m.			R23 CR=43% RQD=23%	23.25
		Refusal	R24 CR=20% RQD=NIL	
Completely weathered, brownish grey, medium to coarse grained sandstone.		100 3.0 cm Penth.	*SPT-6 24.00-24.03	24.00
		Refusal	R25 CR=NIL RQD=NIL DS-3	
		100 5.0 cm Penth.	*SPT-7 24.75-24.80	24.75
		Refusal	R26 CR=NIL RQD=NIL DS-4	
25.50m.		100 3.0 cm Penth.	*SPT-8 25.50-25.53	25.50
			R27 CR=43% RQD=20%	26.25
Highly to moderately weathered, brownish grey, medium to coarse grained sandstone.			R28 CR=29% RQD=15%	27.00
27.00m.			R29 CR=35% RQD=NIL	27.75
			R30 CR=48% RQD=29%	28.50
Highly to moderately weathered, brownish grey, fine grained rock.			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
Penetrometer (SPT)	6	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	6
		Disturbed (DS)	8
Vane (V)		Water Sample (WS)	0

Commencement Date : 13/11/15
Completion Date : 14/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 144.50 m.
Water Struck At :
Standing Water Level : 3.2 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m.				
		14	DS-1	0.50
		3 6 8	SPT-1	1.00-1.45
Stiff, deep brownish grey, silty clay with kankars.			DS-2	1.70
			UDS-1	2.00-2.45
			DS-3	2.75
		15		
		6 6 9	SPT-2	3.00-3.45
3.70m.			DS-4	3.70
			UDS-2	4.00-4.45
Dense, yellowish grey, silty sand with kankars.			DS-5	4.75
		46		
		11 19 27	SPT-3	5.00-5.45
			DS-6	5.70
6.00m.		75		
		19 31 44	SPT-4	6.00-6.45
Hard, greyish brown, silty clay with sand mixture.			DS-7	6.70
		>100		
		43 100	SPT-5	7.00-7.17
7.40m.		2.0 cm Pentn.	SPT-6	7.40-7.50
		100 >100		7.40
		10.0 cm Pentn.	R1	CR=32% RQD=NIL
				8.00
		NX rotary drilling from 7.40m to 15.00m	R2	CR=29% RQD=NIL
				8.75
			R3	CR=31% RQD=NIL
				9.50
			R4	CR=34% RQD=NIL
				10.25
Highly weathered, brownish grey to deep grey, medium to fine grained, highly fractured rock.			R5	CR=28% RQD=NIL
				11.00
			R6	CR=26% RQD=NIL
				11.75
			R7	CR=33% RQD=NIL
				12.50
			R8	CR=38% RQD=NIL
				13.25
			R9	CR=31% RQD=NIL
				14.00
			R10	CR=28% RQD=NIL
				14.75
15.00m.			R11	CR=33% RQD=NIL 15.00

BH-51/Sheet-1

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
Penetrometer (SPT)	7	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	7
Vane (V)		Disturbed (DS)	8
		Water Sample (WS)	0

Commencement Date : 29/10/15
Completion Date : 31/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 144.938 m.
Water Struck At :
Standing Water Level : 3.1 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m. Top soil consists of blackish grey, clayey silt.			DS-1	0.50
0.90m. Very stiff, brownish grey, silty clay with traces of sand mixture.		7 12 13 (25)	SPT-1	1.00-1.45
			DS-2	1.70
			UDS-1	2.00-2.45
		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. Hard, yellowish brown, silty clay. Obs. rusty spots.			DS-4	5.60
		19 28 41 (69)	SPT-4	6.00-6.45
			DS-5	6.70
		38 44 100 (>100) 7.0 cm Pentn.	SPT-5	7.00-7.37
			DS-6	7.60
8.00m. Hard, greyish yellow, silty clay.		48 100 (>100) 8.0 cm Pentn.	SPT-6	8.00-8.23
			DS-7	8.70
9.00m. Highly weathered, light yellowish grey, fine grained, highly fractured rock.		100 (>100) 11.0 cm Pentn.	SPT-7	9.00-9.11
		NX rotary drilling from 9.00m to 15.00m	R1	CR=27% RQD=NIL (9.00 - 9.75)
			R2	CR=28% RQD=NIL (9.75 - 10.50)
			R3	CR=32% RQD=NIL (10.50 - 11.25)
			R4	CR=34% RQD=NIL (11.25 - 12.00)
			R5	CR=36% RQD=NIL (12.00 - 12.75)
12.75m. Moderately weathered, light yellowish grey, fine grained, highly fractured rock.			R6	CR=46% RQD=NIL (12.75 - 13.50)
			R7	CR=48% RQD=NIL (13.50 - 14.25)
15.00m.			R8	CR=49% 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 : 16/11/2015 | Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-53

Co-ordinates E=615.000 N=(-)568.000

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	7	Undisturbed (UDS)	1
Cone (Pc)		Penetrometer (SPT)	7
Vane (V)		Disturbed (DS)	8
		Water Sample (WS)	0

Commencement Date : 01/11/15
Completion Date : 03/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 147.400 m.
Water Struck At :
Standing Water Level : 3.1 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m.				
			DS-1	0.50
		36		
		12 15 21	SPT-1	1.00-1.45
			DS-2	1.60
			UDS-1	2.00-2.45
		63		
		18 26 37	SPT-2	3.00-3.45
			DS-3	3.70
Hard, brownish grey to greyish brown, silty clay. Obs. sand mixture.		>100		
		27 38 100	SPT-3	4.00-4.39
		9.0 cm Pentn.	DS-4	4.60
		>100		
		32 100	SPT-4	5.00-5.30
		15.0 cm Pentn.	DS-5	5.70
		>100		
		42 100	SPT-5	6.00-6.22
		7.0 cm Pentn.	DS-6	6.70
		>100		
		53 100	SPT-6	7.00-7.21
		6.0 cm Pentn.	DS-7	7.60
		>100		
8.00m.		100	SPT-7	8.00-8.10
		10.0 cm Pentn.	R1	CR=36% RQD=NIL 8.00 - 8.75
		NX rotary drilling from 8.00m to 15.00m	R2	CR=35% RQD=NIL 8.75 - 9.50
			R3	CR=38% RQD=NIL 9.50 - 10.25
Highly wethered, light greyish yellow, fine grained, highly fractured rock.			R4	CR=39% RQD=NIL 10.25 - 11.00
			R5	CR=38% RQD=NIL 11.00 - 11.75
			R6	CR=39% RQD=NIL 11.75 - 12.50
			R7	CR=39% RQD=NIL 12.50 - 13.25
13.25m.			R8	CR=52% RQD=NIL 13.25 - 14.00
Moderately weathered, light greyish yellow, fine grained, highly to moderately fractured rock.			R9	CR=54% RQD=49% 14.00 - 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
Penetrometer (SPT)	2	Undisturbed (UDS)	0
Cone (Pc)		Penetrometer (SPT)	2
Vane (V)		Disturbed (DS)	2
		Water Sample (WS)	0

Commencement Date : 30/10/15
Completion Date : 02/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 145.775 m.
Water Struck At :
Standing Water Level : 1.3 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	Depth (m)
0.00m. Hard, greyish yellow, silty clay. Obs. sand mixture.		21 36 42 — 78	DS-1	0.50
			SPT-1	1.00-1.45
2.00m. Highly weathered, light greyish yellow, fine grained, highly fractured rock.		Refusal 100 — 5.0 cm Pentn.	*SPT-2	2.00-2.05
2.75m. Moderately weathered, light greyish yellow, fine grained, highly fractured rock.		NX rotary drilling from 2.00m to 15.00m	R1	CR=36% RQD=NIL (2.00-2.75)
			R2	CR=45% RQD=NIL (2.75-3.50)
			R3	CR=47% RQD=NIL (3.50-4.25)
4.25m.			R4	CR=69% RQD=NIL (4.25-5.00)
			R5	CR=64% RQD=40% (5.00-5.75)
			R6	CR=76% RQD=24% (5.75-6.50)
Slightly weathered, light greyish yellow, fine grained, moderately fractured rock.			R7	CR=78% RQD=NIL (6.50-7.25)
			R8	CR=76% RQD=NIL (7.25-8.00)
			R9	CR=72% RQD=NIL (8.00-8.75)
9.50m.			R10	CR=68% RQD=NIL (8.75-9.50)
			R11	CR=84% RQD=NIL (9.50-10.25)
			R12	CR=92% RQD=44% (10.25-11.00)
			R13	CR=93% RQD=NIL (11.00-11.75)
Fresh, light greyish yellow, fine grained, highly fractured rock.			R14	CR=91% RQD=17% (11.75-12.50)
			R15	CR=95% RQD=48% (12.50-13.25)
			R16	CR=95% RQD=52% (13.25-14.00)
			R17	CR=91% RQD=87% (14.00-15.00)
15.00m. 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-55

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	3	Undisturbed (UDS)	0
Cone (Pc)		Penetrometer (SPT)	3
Vane (V)		Disturbed (DS)	4
		Water Sample (WS)	0

Commencement Date : 04/11/15
Completion Date : 06/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 144.389 m.
Water Struck At :
Standing Water Level : 2.0 m.

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

Project : Geotech. Inv. work for Prop. 1 x 600MW STPP at Singareni, Adilabad, Telengana.			CETEST
Job No : 3576	Created by : Chandrani	Created on : 23/11/2015	Sheet No:

BORE LOG DATA SHEET

BORE HOLE NO. IBH-57

Co-ordinates E=615.000 N(-)1575.000

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	6	Undisturbed (UDS)	1
Cone (Pc)		Penetrometer (SPT)	6
Vane (V)		Disturbed (DS)	7
		Water Sample (WS)	0

Commencement Date : 07/11/15
Completion Date : 09/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 143.459 m.
Water Struck At :
Standing Water Level : 1.5 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES 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
			DS-3	2.70
		26 41 57 (98)	SPT-2	3.00-3.45
Hard, yellowish grey to greyish yellow, silty clay with decomposed rock with steel grey patches.			DS-4	3.70
		32 100/14.0 cm Pentn. (>100)	SPT-3	4.00-4.29
			DS-5	4.60
		100/13.0 cm Pentn. (>100)	SPT-4	5.00-5.13
		Refusal	DS-6	5.70
		100/7.0 cm Pentn. Refusal	*SPT-5	6.00-6.07
7.00m.		100/3.0 cm Pentn.	*SPT-6	7.00-7.03
			R1	CR=25% RQD=NIL (7.00-7.75)
		NX rotary drilling from 7.00m to 15.00m	R2	CR=28% RQD=NIL (7.75-8.50)
Highly weathered, light brownish yellow, medium to fine grained, highly fractured rock.			R3	CR=31% RQD=NIL (8.50-9.25)
			R4	CR=27% RQD=NIL (9.25-10.00)
			R5	CR=37% RQD=NIL (10.00-10.75)
			R6	CR=28% RQD=NIL (10.75-11.50)
11.50m.			R7	CR=28% RQD=NIL (11.50-12.25)
			R8	CR=21% RQD=NIL (12.25-13.00)
Highly weathered, greyish yellow, fine grained, highly fractured rock.			R9	CR=35% RQD=NIL (13.00-13.75)
			R10	CR=29% RQD=NIL (13.75-14.50)
15.00m.			R11	CR=34% RQD=NIL (14.50-15.00)

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
Penetrometer (SPT)	12	Undisturbed (UDS)	1
Cone (Pc)		Penetrometer (SPT)	12
Vane (V)		Disturbed (DS)	8
		Water Sample (WS)	0

Commencement Date : 10/11/15
Completion Date : 12/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 143.541 m.
Water Struck At :
Standing Water Level : 2.8 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	Depth (m)
0.00m.				
Very stiff, brownish grey, silty clay with decomposed rock.		7 8 9 17	DS-1	0.50
			SPT-1	1.00-1.45
			UDS-1	2.00-2.45
2.60m.			DS-2	2.60
Hard, brownish grey, silty clay with decomposed rock.		50 50 50/10.0 cm Pentn.	SPT-2	3.00-3.25
			DS-3	3.60
4.00m.		100/12.0 cm Pentn.	SPT-3	4.00-4.12
Very dense, brownish yellow, silty sand with decomposed rock. Obs. steel grey patches.			DS-4	4.50
		100/8.0 cm Pentn.	SPT-4	5.00-5.08
5.25m.		100 Refusal	*SPT-5	5.25-5.32
		7.0 cm Pentn.	R1	CR=22% RQD=NIL
Highly weathered, yellowish brown, medium grained, highly fractured rock.		100 Refusal	*SPT-6	6.00-6.04
		4.0 cm Pentn.	R2	CR=24% RQD=NIL
6.75m.		100 Refusal	*SPT-7	6.75-6.78
		3.0 cm Pentn.	R3	CR=NIL RQD=NIL
		100 Refusal	DS-5	
			*SPT-8	7.50-7.53
		3.0 cm Pentn.	R4	CR=NIL RQD=NIL
Completely weathered, yellowish brown, decomposed & disintegrated rock particles collected as sludge.		100 Refusal	*SPT-9	8.25-8.28
		3.0 cm Pentn.	R5	CR=NIL RQD=NIL
		100 Refusal	DS-6	
			*SPT-10	9.00-9.02
		2.0 cm Pentn.	R6	CR=NIL RQD=NIL
		100 Refusal	*SPT-11	9.75-9.78
		3.0 cm Pentn.	R7	CR=NIL RQD=NIL
		100 Refusal	DS-7	
10.50m.			*SPT-12	10.50-10.52
Highly weathered, brownish white, medium grained, highly fractured rock.		100 2.0 cm Pentn.	R8	CR=22% RQD=NIL
11.25m.				
		NX rotary drilling from 5.25m to 15.00m	R9	CR=23% RQD=16%
			R10	CR=21% RQD=NIL
Highly weathered, deep yellowish brown, medium grained, highly fractured rock.			R11	CR=22% RQD=NIL
			R12	CR=24% RQD=NIL
			R13	CR=25% RQD=NIL
15.00m.				
N.B. - '*' means sample could not				

5.25
6.00
6.75
7.50
8.25
9.00
9.75
10.50
11.25
12.00
12.75
13.50
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
Penetrometer (SPT)	2	Undisturbed (UDS)	1
Cone (Pc)		Penetrometer (SPT)	2
Vane (V)		Disturbed (DS)	2
		Water Sample (WS)	0

Commencement Date : 17/12/15
Completion Date : 18/12/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 141.748 m.
Water Struck At :
Standing Water Level : 2.4 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m Blackish grey, silty clay with sand mixture. 0.50m			DS-1	0.50
Hard, yellowish brown, silty clay with sand mixture. Obs. calcareous nodules.		28 36 58 — 94	SPT-1	1.00-1.45
			DS-2	1.75
		Refusal	*UDS-1	2.00-2.07
2.25m		100 — 3.0 cm Pentn.	*SPT-2	2.25-2.28
		NX rotary drilling from 2.25m to 15.00m	R1	CR=27% RQD=13% 3.00
			R2	CR=36% RQD=31% 3.75
Highly weathered, brownish grey to pinkish grey, medium to coarse graned, highly fractured rock.			R3	CR=28% RQD=16% 4.50
			R4	CR=32% RQD=13% 5.25
			R5	CR=26% RQD=14% 6.00
			R6	CR=36% RQD=24% 6.75
6.75m			R7	CR=32% RQD=13% 7.50
Highly weathered, ligtht yellowish grey, medium grained, highly fractured rock.			R8	CR=36% RQD=NIL 8.25
			R9	CR=28% RQD=NIL 9.00
			R10	CR=31% RQD=NIL 9.75
9.75m			R11	CR=32% RQD=NIL 10.50
			R12	CR=36% RQD=16% 11.25
Highly weathered, yellowish brown, medium to fine grained, highly fractured rock.			R13	CR=32% RQD=13% 12.00
			R14	CR=34% RQD=14% 12.75
			R15	CR=32% RQD=NIL 13.50
			R16	CR=40% RQD=27% 14.25
			R17	CR=32% RQD=13% 15.00
15.00m				

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-74

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

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	5	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	5
Vane (V)		Disturbed (DS)	7
		Water Sample (WS)	0

Commencement Date : 24/10/15
Completion Date : 29/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 144.77 m.
Water Struck At :
Standing Water Level : 2.2 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Very stiff, brownish grey, silty clay with sand mixture.		7 12 16 — 28	DS-1	0.50
			SPT-1	1.00-1.45
			DS-2	1.75
			UDS-1	2.00-2.45
2.60m			DS-3	2.60
Hard, brownish grey to light blackish grey, silty clay.		10 15 19 — 34	SPT-2	3.00-3.45
			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
7.15m		100 — >100	SPT-5	7.15-7.25
		10.0 cm Pentn.	R1	CR=41% RQD=NIL 7.15-8.00
		NX rotary drilling from 7.25m to 30.00m	R2	CR=46% RQD=NIL 8.00-8.75
Highly to moderately weathered, brownish grey, fine grained, fractured rock.			R3	CR=42% RQD=NIL 8.75-9.50
			R4	CR=22% RQD=NIL 9.50-10.25
			R5	CR=27% RQD=NIL 10.25-11.00
11.00m			R6	CR=23% RQD=NIL 11.00-11.75
Highly to moderately weathered, reddish brown, fine grained, fractured rock.			R7	CR=25% RQD=NIL 11.75-12.50
			R8	CR=24% RQD=NIL 12.50-13.25
			R9	CR=26% RQD=NIL 13.25-14.00
			R10	CR=40% RQD=NIL 14.00-14.75
15.50m			R11	CR=37% RQD=NIL 14.75-15.50

BH-74/Sheet-1

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
Penetrometer (SPT)	5	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	5
Vane (V)		Disturbed (DS)	7
		Water Sample (WS)	0

Commencement Date : 24/10/15
Completion Date : 29/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 144.77 m.
Water Struck At :
Standing Water Level : 2.2 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m.				
			R12	CR=38% RQD=NIL 16.25
			R13	CR=34% RQD=NIL 17.00
			R14	CR=37% RQD=NIL 17.75
			R15	CR=39% RQD=NIL 18.50
			R16	CR=44% RQD=NIL 19.25
Highly to moderately weathered, reddish brown, fine grained, fractured rock.			R17	CR=41% RQD=NIL 20.00
			R18	CR=32% RQD=NIL 20.75
			R19	CR=25% RQD=NIL 21.50
			R20	CR=44% RQD=NIL 22.25
			R21	CR=46% RQD=28% 23.00
23.75m.			R22	CR=49% RQD=30% 23.75
			R23	CR=45% RQD=NIL 24.50
			R24	CR=48% RQD=16% 25.25
Moderately weathered, yellowish grey, coarse graiend, fractured rock. Obs.			R25	CR=44% RQD=20% 26.00
			R26	CR=49% RQD=32% 26.75
			R27	CR=42% RQD=20% 27.50
27.50m.			R28	CR=51% RQD=24% 28.25
Moderately weathered, reddish grey, fine grained, moderately fractured rock.			R29	CR=53% RQD=16% 29.00
			R30	CR=57% RQD=14% 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 : 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
Penetrometer (SPT)	3	Undisturbed (UDS)	1
Cone (Pc)		Penetrometer (SPT)	3
Vane (V)		Disturbed (DS)	3
		Water Sample (WS)	0

Commencement Date : 13/12/15
Completion Date : 17/12/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 139.067 m.
Water Struck At :
Standing Water Level : 6.1 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES 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) 5.0 cm Pentn.	DS-3	2.70
			SPT-2	3.00-3.20
3.50m		100 Refusal 2.0 cm Pentn.	*SPT-3	3.50-3.52 3.50
		NX rotary drilling from 3.50m to 30.00m	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
Highly to moderately weathered, yellowish brown, medium grained, fractured rock.			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				

BH-75/Sheet-1

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
Penetrometer (SPT)	3	Undisturbed (UDS)	1
Cone (Pc)		Penetrometer (SPT)	3
Vane (V)		Disturbed (DS)	3
		Water Sample (WS)	0

Commencement Date : 13/12/15
Completion Date : 17/12/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 139.067 m.
Water Struck At :
Standing Water Level : 6.1 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m Moderately weathered, yellowish brown, medium grained, medium fractured rock. 16.25m			R17	CR=58% RQD=36% 16.25
			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
Moderately to slightly weathered, brownish grey, medium to fine grained, medium fractured rock.			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				

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
Penetrometer (SPT)	6	Undisturbed (UDS)	0
Cone (Pc)		Penetrometer (SPT)	6
Vane (V)		Disturbed (DS)	5
		Water Sample (WS)	0

Commencement Date : 13/11/15
Completion Date : 16/11/15
Bore Hole Diameter : 150 mm.
Level Of Ground : 142.709 m./NX
Water Struck At :
Standing Water Level : 4.3 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Hard, brownish grey, silty clay with sand mixture.		12 14 21 (35)	DS-1	1.00
			SPT-1	1.50-1.95
			DS-2	2.50
		15 20 27 (47)	SPT-2	3.00-3.45
			DS-3	4.00
4.20m				
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
		26 39 64 (>100)	SPT-4	6.00-6.45
6.45m				
Very dense, yellowish brown, silty sand. Obs. calcareous nodules.		45 100 10.0 cm Pentn. (>100)	DS-5	6.75
			SPT-5	7.00-7.25
7.50m		100 Refusal 6.0 cm Pentn.	*SPT-6	7.50-7.56
Highly weathered, light brownish yellow, medium to fine grained, highly fractured rock.		NX rotary drilling from 7.50m to 33.00m	R1	CR=27% RQD=NIL 7.50 - 8.25
			R2	CR=24% RQD=NIL 8.25 - 9.00
			R3	CR=28% RQD=NIL 9.00 - 9.75
			R4	CR=35% RQD=20% 9.75 - 10.50
10.50m				
Highly weathered, light brownish yellow, medium to fine grained, highly fractured rock.			R5	CR=21% RQD=NIL 10.50 - 11.25
			R6	CR=22% RQD=NIL 11.25 - 12.00
			R7	CR=24% RQD=16% 12.00 - 12.75
			R8	CR=21% RQD=NIL 12.75 - 13.50
			R9	CR=22% RQD=NIL 13.50 - 14.25
			R10	CR=24% RQD=NIL 14.25 - 15.00
			R11	CR=22% RQD=NIL 15.00 - 15.75
			R12	CR=23% RQD=NIL 15.75 - 16.50
17.00m			R13	CR=20% RQD=NIL 16.50 ~

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
Penetrometer (SPT)	6	Undisturbed (UDS)	0
Cone (Pc)		Penetrometer (SPT)	6
Vane (V)		Disturbed (DS)	5
		Water Sample (WS)	0

Commencement Date : 13/11/15
Completion Date : 16/11/15
Bore Hole Diameter : 150 mm.
Level Of Ground : 142.709 m./NX
Water Struck At :
Standing Water Level : 4.3 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
17.00m.				17.25
			R14	CR=23% RQD=NIL 18.00
			R15	CR=22% RQD=NIL 18.75
			R16	CR=21% RQD=NIL 19.50
			R17	CR=22% RQD=NIL 20.25
Highly weathered, light brownish yellow, medium to fine grained, highly fractured rock.			R18	CR=25% RQD=NIL 21.00
			R19	CR=22% RQD=NIL 21.75
			R20	CR=21% RQD=NIL 22.50
			R21	CR=24% RQD=NIL 23.25
			R22	CR=21% RQD=NIL 24.00
			R23	CR=22% RQD=13% 24.75
24.75m.			R24	CR=27% RQD=13% 25.50
Highly weathered, light brownish yellow, medium to fine grained, highly fractured rock.			R25	CR=28% RQD=17% 26.25
			R26	CR=32% RQD=NIL 27.00
			R27	CR=30% RQD=20% 27.75
27.75m.			R28	CR=24% RQD=NIL 28.50
Highly weathered, light brownish yellow, medium to fine grained, highly fractured rock.			R29	CR=22% RQD=NIL 29.25
			R30	CR=21% RQD=NIL 30.00
30.00m.			R31	CR=28% RQD=NIL 30.75
			R32	CR=44% RQD=NIL 31.50
Moderately weathered, yellowish grey, medium yellowish grey, medium to fine grained, highly to moderately fractured rock.			R33	CR=42% RQD=18% 32.25
			R34	CR=48% RQD=20% 33.00
33.00m.				

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

BH-1/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 : 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
Penetrometer (SPT)	6	Undisturbed (UDS)	0
Cone (Pc)		Penetrometer (SPT)	6
Vane (V)		Disturbed (DS)	5
		Water Sample (WS)	0

Commencement Date : 15/11/15
Completion Date : 17/11/15
Bore Hole Diameter : 150 mm.
Level Of Ground : 142.886 m./NX
Water Struck At :
Standing Water Level : 4.50 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Very stiff, brownish grey to greyish brown, silty clay with sand mixure. Obs. calcareous nodules.		6 8 10 (18)	DS-1	1.00
			SPT-1	1.50-1.95
			DS-2	2.50
		7 11 14 (25)	SPT-2	3.00-3.45
4.00m			DS-3	4.00
		12 18 27 (45)	SPT-3	4.50-4.95
			DS-4	5.50
Hard, brownish grey to greyish brown silty clay with sand mixture. Obs. calcareous nodules.		28 45 10 (>100) 5.0 cm Pentn.	SPT-4	6.00-6.35
			DS-5	7.00
		100 (>100) 10.0 cm Pentn.	SPT-5	7.50-7.60
8.00m		100 Refusal 5.0 cm Pentn.	*SPT-6	8.00-8.05
Highly weathered, brownish grey, fine to medium grained rock.		NX rotary drilling from 8.00m to 33.00m	R1	CR=25% RQD=NIL 8.00 - 8.75
			R2	CR=22% RQD=NIL 8.75 - 9.50
			R3	CR=21% RQD=NIL 9.50 - 10.25
			R4	CR=24% RQD=NIL 10.25 - 11.00
11.00m			R5	CR=28% RQD=NIL 11.00 - 11.75
Highly weathered, brownish grey, fine to medium grained rock.			R6	CR=23% RQD=NIL 11.75 - 12.50
			R7	CR=25% RQD=NIL 12.50 - 13.25
			R8	CR=30% RQD=NIL 13.25 - 14.00
14.75m			R9	CR=32% RQD=NIL 14.00 - 14.75
Highly weathered, brownish grey, fine grained rock. Obs. dusty spots.			R10	CR=30% RQD=NIL 14.75 - 15.50
			R11	CR=35% RQD=NIL 15.50 - 16.25
16.25m			R12	CR=35% RQD=NIL 16.25 - 17.00
17.00m				

BH-2/Sheet-1

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
Penetrometer (SPT)	6	Undisturbed (UDS)	0
Cone (Pc)		Penetrometer (SPT)	6
Vane (V)		Disturbed (DS)	5
		Water Sample (WS)	0

Commencement Date : 15/11/15
Completion Date : 17/11/15
Bore Hole Diameter : 150 mm.
Level Of Ground : 142.886 m./NX
Water Struck At :
Standing Water Level : 4.50 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
17.00m.				
			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
Highly to moderately weathered, brownish grey to blackish grey, medium to coarse grained rock			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
26.00m.				
			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
Moderately to slightly weathered, brownish grey to blackish grey, medium to coarse grained rock			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
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 : 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
Penetrometer (SPT)	0	Undisturbed (UDS)	0
Cone (Pc)		Penetrometer (SPT)	0
Vane (V)		Disturbed (DS)	9
		Water Sample (WS)	0

Commencement Date : 16/11/15
Completion Date : 19/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.462 m.
Water Struck At :
Standing Water Level : 2.6 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Light yellowish grey, silty clay.			DS-1	0.50
			DS-2	1.50
			DS-3	2.50
			DS-4	3.50
			DS-5	4.50
			DS-6	5.50
6.50m			DS-7	6.50
Brownish yellow, silty sand.			DS-8	7.50
8.50m			DS-9	8.50
		NX rotary drilling from 8.50m to 30.00m	R1	CR=22% RQD=NIL 8.50 - 9.50
			R2	CR=20% RQD=NIL 9.50 - 10.50
			R3	CR=21% RQD=10% 10.50 - 11.50
Highly weathered, light brownish yellow, medium to fine grained, highly fractured rock.			R4	CR=22% RQD=NIL 11.50 - 12.50
			R5	CR=23% RQD=10% 12.50 - 13.50
			R6	CR=24% RQD=NIL 13.50 - 14.50
			R7	CR=27% RQD=NIL 14.50 - 15.50
15.50m				

BH-1/Sheet-1

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
Penetrometer (SPT)	0	Undisturbed (UDS)	0
Cone (Pc)		Penetrometer (SPT)	0
Vane (V)		Disturbed (DS)	9
		Water Sample (WS)	0

Commencement Date : 16/11/15
Completion Date : 19/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.462 m.
Water Struck At :
Standing Water Level : 2.6 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES 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
Highly weathered, light brownish yellow, medium to fine grained, highly fractured rock.			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
Moderately weathered, brownish yellow, fine grained, moderately fractured rock.			R17	CR=40% RQD=NIL 25.50
25.50m				
			R18	CR=52% RQD=NIL 26.50
			R19	CR=55% RQD=42% 27.50
Moderately to slightly weathered, brownish yellow, fine grained, moderately fractured rock.			R20	CR=65% RQD=14% 28.50
			R21	CR=70% RQD=NIL 29.50
30.00m			R22	CR=72% 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. IPMT- 02

Co-ordinates E=(-)782.000 N=(-)973.000

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	0	Undisturbed (UDS)	0
Cone (Pc)		Penetrometer (SPT)	0
Vane (V)		Disturbed (DS)	11
		Water Sample (WS)	0

Commencement Date : 12/11/15
Completion Date : 15/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.833 m.
Water Struck At :
Standing Water Level : 4.4 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m			DS-1	0.50
			DS-2	1.50
			DS-3	2.50
Brownish grey to yellowish brown, silty clay with sand mixture.			DS-4	3.50
			DS-5	4.50
			DS-6	5.50
			DS-7	6.50
7.50m			DS-8	7.50
			DS-9	8.50
Light brownish yellow, silty sand.			DS-10	9.50
			DS-11	10.50
11.00m		NX rotary drilling from 11.00m to 30.00m		11.00
			R1 CR=25% RQD=NIL	11.75
			R2 CR=27% RQD=NIL	12.50
Highly weathered, light brownish yellow, medium to fine grained, highly fractured rock			R3 CR=30% RQD=NIL	13.25
			R4 CR=28% RQD=NIL	14.00
			R5 CR=29% RQD=NIL	14.75
15.50m			R6 CR=28% RQD=NIL	15.50

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
Penetrometer (SPT)	0	Undisturbed (UDS)	0
Cone (Pc)		Penetrometer (SPT)	0
Vane (V)		Disturbed (DS)	11
		Water Sample (WS)	0

Commencement Date : 12/11/15
Completion Date : 15/11/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.833 m.
Water Struck At :
Standing Water Level : 4.4 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m.				
			R7	CR=23% RQD=NIL 16.25
			R8	CR=25% RQD=NIL 17.00
			R9	CR=27% RQD=NIL 17.75
			R10	CR=26% RQD=NIL 18.50
			R11	CR=24% RQD=NIL 19.25
			R12	CR=26% RQD=NIL 20.00
			R13	CR=25% RQD=NIL 20.75
			R14	CR=28% RQD=NIL 21.50
			R15	CR=29% RQD=NIL 22.25
Highly weathered, light brownish yellow, medium to fine grained, highly fractured rock			R16	CR=28% RQD=NIL 23.00
			R17	CR=27% RQD=NIL 23.75
			R18	CR=28% RQD=NIL 24.50
			R19	CR=33% RQD=NIL 25.25
			R20	CR=32% RQD=NIL 26.00
			R21	CR=34% RQD=NIL 26.75
			R22	CR=35% RQD=NIL 27.50
			R23	CR=31% RQD=NIL 28.25
			R24	CR=34% RQD=NIL 29.00
			R25	CR=35% RQD=NIL 29.75
			R26	CR=37% RQD=NIL 30.50
30.50m.				

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
Penetrometer (SPT)	0	Undisturbed (UDS)	0
Cone (Pc)		Penetrometer (SPT)	0
Vane (V)		Disturbed (DS)	10
		Water Sample (WS)	0

Commencement Date : 31/10/2015
Completion Date : 03/11/2015
Bore Hole Diameter : 150 mm/NX.
Level Of Ground : 142.503 m.
Water Struck At :
Standing Water Level : 3.8 m.

DESCRIPTION	SYMBOL	N-VALUE	SAMPLES Ref. No	SAMPLES 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
3.00m			DS-4	3.00
			DS-5	4.00
			DS-6	5.00
			DS-7	6.00
Greyish yellow clayey silty sand.			DS-8	7.00
			DS-9	8.00
			DS-10	9.00
		NX rotary drilling from 10.00m to 30.00m		
10.00m				10.00
Highly weathered, greyih yellow, highly fractured rock.			R1	CR=28% RQD=NIL
11.00m				11.00
			R2	CR=36% RQD=16%
Highly to moderately weathered, greyish yellow, fine grained, highly fractured rock.				12.00
			R3	CR=44% RQD=NIL
				13.00
			R4	CR=52% RQD=28%
14.00m				14.00
Highly weathered, greyish yellow, medium to coarse grained, highly fractured rock.			R5	CR=28% RQD=NIL
15.00m				15.00

BH-1/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 : 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
Penetrometer (SPT)	0	Undisturbed (UDS)	0
Cone (Pc)		Penetrometer (SPT)	0
Vane (V)		Disturbed (DS)	10
		Water Sample (WS)	0

Commencement Date : 31/10/2015
Completion Date : 03/11/2015
Bore Hole Diameter : 150 mm/NX.
Level Of Ground : 142.503 m.
Water Struck At :
Standing Water Level : 3.8 m.

DESCRIPTION	SYMBOL	N-VALUE	SAMPLES Ref. No	SAMPLES Depth (m)
15.00m. Highly weathered, greyish yellow, medium to coarse grained, highly fractured rock.			R6	CR=32% RQD=NIL
16.00m.			R7	CR=36% RQD=NIL
			R8	CR=36% RQD=NIL
Highly weathered, greyish brown, fine grained, highly fractured rock.			R9	CR=32% RQD=NIL
			R10	CR=38% RQD=NIL
20.50m.			R11	CR=36% RQD=10%
Highly to moderately weathered, blackish grey, fine grained, highly fractured rock.			R12	CR=44% RQD=NIL
22.00m.			R13	CR=40% RQD=NIL
			R14	CR=32% RQD=NIL
Highly to slightly weathered, greyish yellow, medium to coarse grained, highly fractured rock.			R15	CR=32% RQD=NIL
			R16	CR=62% RQD=32%
			R17	CR=54% RQD=22%
27.00m.			R18	CR=37% RQD=NIL
Highly to moderately weathered, blackish grey, fine grained, highly fractured rock.			R19	CR=42% RQD=NIL
			R20	CR=45% RQD=NIL
30.00m.				

15.00 16.00 17.00 18.00 19.00 20.00 21.00 22.00 23.00 24.00 25.00 26.00 27.00 28.00 29.00 30.00

BH-1/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 : 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
Penetrometer (SPT)	0	Undisturbed (UDS)	0
Cone (Pc)		Penetrometer (SPT)	0
Vane (V)		Disturbed (DS)	12
		Water Sample (WS)	0

Commencement Date : 04/11/2015
Completion Date : 07/11/2015
Bore Hole Diameter : 150 mm/NX.
Level Of Ground : 143.846 m.
Water Struck At :
Standing Water Level : 4.8 m.

DESCRIPTION	SYMBOL	N-VALUE	SAMPLES Ref. No	SAMPLES 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
Brownish grey silty sand.			DS-8	7.00
			DS-9	8.00
			DS-10	9.00
		NX rotary drilling from 10.50m to 30.00m	DS-11	10.00
10.50m				10.50
Highly weathered, brownish grey, fine grained, rock.			R1 CR=22% RQD=NIL	11.50
			R2 CR=24% RQD=NIL	12.50
12.50m			R3 CR=35% RQD=NIL	13.50
Highly to moderately weathered, brownish grey, fine grained, rock.			R4 CR=50% RQD=NIL	14.00
			R5 CR=37% RQD=NIL	15.00
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 : 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
Penetrometer (SPT)	0	Undisturbed (UDS)	0
Cone (Pc)		Penetrometer (SPT)	0
Vane (V)		Disturbed (DS)	12
		Water Sample (WS)	0

Commencement Date : 04/11/2015
Completion Date : 07/11/2015
Bore Hole Diameter : 150 mm/NX.
Level Of Ground : 143.846 m.
Water Struck At :
Standing Water Level : 4.8 m.

DESCRIPTION	SYMBOL	N-VALUE	SAMPLES Ref. No	SAMPLES Depth (m)
15.00m.				15.00
			R6	CR=40% RQD=NIL
				16.00
			R7	CR=39% RQD=NIL
Highly to moderately weathered, brownish grey, fine grained, rock.				17.00
			R8	CR=38% RQD=NIL
				18.00
			R9	CR=35% RQD=NIL
19.00m.				19.00
			R10	CR=39% RQD=NIL
				20.00
			R11	CR=36% RQD=24%
				21.00
			R12 DS-12	CR=NIL RQD=NIL
				22.00
			R13	CR=30% RQD=NIL
				23.00
			R14	CR=40% RQD=NIL
				24.00
Highly to moderately weathered, brownish grey, medium to coarse grained, rock.			R15	CR=26% RQD=NIL
				25.00
			R16	CR=27% RQD=NIL
				26.00
			R17	CR=30% RQD=NIL
				27.00
			R18	CR=36% RQD=NIL
				28.00
			R19	CR=48% RQD=NIL
				29.00
			R20	CR=56% RQD=45%
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 : 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
Penetrometer (SPT)	18	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	18
Vane (V)		Disturbed (DS)	20
		Water Sample (WS)	0

Commencement Date : 14/10/15
Completion Date : 17/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.648 m.
Water Struck At :
Standing Water Level : 3.60 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Stiff to very stiff, blackish grey, silty clay with traces of sand mixture.		5 8 7 (15)	DS-1	0.50
			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
5.60m			DS-6	5.60
Very dense, yellowish brown, silty sand / sandy silt. Obs. kankars.		27 39 48 (87)	SPT-4	6.00-6.45
			DS-7	6.60
		32 35 42 (77)	SPT-5	7.00-7.45
			DS-8	7.70
		35 48 50 (≥100) 5.0 cm Pentn.	SPT-6	8.00-8.35
			DS-9	8.60
		42 50 (≥100) 10.0 cm Pentn.	SPT-7	9.00-9.25
			DS-10	9.50
		38 50 (≥100) 5.0 cm Pentn.	SPT-8	10.00-10.20
			DS-11	10.50
		35 50 (≥100) 5.0 cm Pentn.	SPT-9	11.00-11.20
			DS-12	11.50
		42 50 (≥100) 3.0 cm Pentn.	SPT-10	12.00-12.18
			DS-13	12.50
13.00m		Refusal		
Highly weathered, yellowish grey, medium grained, highly fractured rock.		50 7.0 cm Pentn.	*SPT-11	13.00-13.07
		NX rotary drilling from 13.00m to 30.00m	R1	CR=35% RQD=NIL 13.00
			R2	CR=39% RQD=NIL 13.75
14.50m			R3	CR=NIL RQD=NIL 14.50
Completely weathered, fully decomposed & disintegrated rock particles collected as sludge.		(≥100)	DS-14	
15.50m		50 10.0 cm Pentn.	SPT-12	15.25-15.35 15.25

BH-1/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 : 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
Penetrometer (SPT)	18	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	18
		Disturbed (DS)	20
Vane (V)		Water Sample (WS)	0

Commencement Date : 14/10/15
Completion Date : 17/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.648 m.
Water Struck At :
Standing Water Level : 3.60 m.

DESCRIPTION	SYMBOL	N-VALUE (EACH DIVN. = 15cm.)	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m.				
Completely weathered, fully decomposed & disintegrated rock particles collected as sludge.		50 ≥100 12.0 cm Pentn. 52 ≥100 8.0 cm Pentn. 51 ≥100 9.0 cm Pentn.	R4 DS-15 SPT-13	CR=NIL RQD=NIL 16.00-16.12 16.00
			R5 DS-16 SPT-14	CR=NIL RQD=NIL 16.75-16.83 16.75
			R6 DS-17 SPT-15	CR=NIL RQD=NIL 17.50-17.59 17.50
18.25m.		53 Refusal 7.0 cm Pentn.	R7 DS-18 *SPT-16	CR=NIL RQD=NIL 18.25-18.32 18.25
Highly weathered, light yellowish grey, medium grained, highly fractured rock.			R8	CR=29% RQD=NIL 19.00
			R9	CR=34% RQD=NIL 19.75
			R10	CR=40% RQD=NIL 20.50
			R11	CR=36% RQD=NIL 21.25
			R12	CR=32% RQD=19% 22.00
			R13	CR=34% RQD=NIL 22.75
			R14	CR=40% RQD=21% 23.50
			R15	CR=36% RQD=NIL 24.25
			R16	CR=32% RQD=NIL 25.00
25.00m.				
Completely weathered, fully decomposed & disintegrated rock particles as sludge.		50 ≥100 8.0 cm Pentn.	R17 DS-19 SPT-17	CR=NIL RQD=NIL 25.75-25.83 25.75
26.50m.		52 Refusal 7.0 cm Pentn.	R18 DS-20 *SPT-18	CR=NIL RQD=NIL 26.50-26.57 26.50
Highly weathered, yellowish grey, medium grained, highly fractured rock.			R19	CR=34% RQD=NIL 27.25
			R20	CR=40% RQD=NIL 28.00
			R21	CR=36% RQD=NIL 28.75
			R22	CR=32% RQD=NIL 29.50
			R23	CR=38% 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 : 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
Penetrometer (SPT)	9	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	9
		Disturbed (DS)	10
Vane (V)		Water Sample (WS)	0

Commencement Date : 14/10/15
Completion Date : 17/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.894 m.
Water Struck At :
Standing Water Level : 3.55 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
0.00m				
Medium to stiff, blackish grey, silty clay. Obs. kankars.		2 2 4 (6)	DS-1	0.50
			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
			DS-4	4.75
		50 (≥100) 10.0 cm Pentn.	SPT-3	5.00-5.10
			DS-5	5.75
		51 (≥100) 11.0 cm Pentn.	SPT-4	6.00-6.11
Very dense, whitish grey to brownish grey, medium to coarse grained sand. Obs. mica.			DS-6	6.75
		32 51 (≥100) 10.0 cm Pentn.	SPT-5	7.00-7.25
			DS-7	7.75
		34 50 (≥100) 11.0 cm Pentn.	SPT-6	8.00-8.26
			DS-8	8.75
		50 (≥100) 12.0 cm Pentn.	SPT-7	9.00-9.12
			DS-9	9.80
		50 (≥100) 8.0 cm Pentn.	SPT-8	10.00-10.08
11.00m				
Completely weathered, light greyish brown, fully decomposed rock collected as sludge.		50 (≥100) 9.0 cm Pentn.	*SPT-9	11.00-11.09
11.75m			R1	CR=NIL RQD=NIL 11.00 - 11.75
		NX rotary drilling from 11.00m to 30.00m	R2	CR=21% RQD=NIL 11.75 - 12.50
Highly to moderately weathered, light brownish grey, fine grained, highly fractured rock.			R3	CR=21% RQD=NIL 12.50 - 13.25
			R4	CR=25% RQD=NIL 13.25 - 14.00
			R5	CR=22% RQD=NIL 14.00 - 14.75
Highly to moderately weathered, light brownish grey, fine grained, highly fractured rock.			R6	CR=28% RQD=NIL 14.75 - 15.50
14.75m				
15.50m				

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BORE LOG DATA SHEET

BORE HOLE NO. CST-02

Co-ordinates E=77.000 N=(-)177.000

Field Test	Nos	Samples	Nos
Penetrometer (SPT)	9	Undisturbed (UDS)	2
Cone (Pc)		Penetrometer (SPT)	9
Vane (V)		Disturbed (DS)	10
		Water Sample (WS)	0

Commencement Date : 14/10/15
Completion Date : 17/10/15
Bore Hole Diameter : 150 mm. / N.X.
Level Of Ground : 142.894 m.
Water Struck At :
Standing Water Level : 3.55 m.

DESCRIPTION	SYMBOL	N-VALUE EACH DIVN. = 15cm.	SAMPLES Ref. No	SAMPLES Depth (m)
15.50m.				
			R7	CR=27% RQD=NIL 16.25
			R8	CR=23% RQD=NIL 17.00
			R9	CR=22% RQD=NIL 17.75
			R10	CR=29% RQD=NIL 18.50
			R11	CR=33% RQD=NIL 19.25
			R12	CR=36% RQD=NIL 20.00
			R13	CR=38% RQD=NIL 20.75
			R14	CR=33% RQD=NIL 21.50
			R15	CR=39% RQD=NIL 22.25
Highly to moderately weathered, light brownish grey, fine grained, highly fractured rock.			R16	CR=35% RQD=13% 23.00
			R17	CR=39% RQD=NIL 23.75
			R18	CR=38% RQD=15% 24.50
			R19	CR=37% RQD=NIL 25.25
			R20	CR=35% RQD=NIL 26.00
			R21	CR=39% RQD=17% 26.75
			R22	CR=35% RQD=15% 27.50
			R23	CR=38% RQD=16% 28.25
			R24	CR=44% RQD=NIL 29.50
			R25	CR=49% RQD=17% 30.00
30.00m.				

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