

**DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.**

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU01	0.00	0.58	0.58	0.52	BASALT, BROWN, WEATHERED	
CMPWU01	0.58	1.26	0.68	0.67	BASALT, GREY, WEATHERED, FRACTURE	
CMPWU01	1.26	2.00	0.74	0.74	BASALT, GREY, WEATHERED, FRACTURE	
CMPWU01	2.00	5.00	3.00	2.69	BASALT, GREY, WEATHERED, FRACTURE	
CMPWU01	5.00	8.00	3.00	3.00	BASALT, GREY, WEATHERED, FRACTURE	
CMPWU01	8.00	11.00	3.00	3.00	BASALT, GREY, FRACTURE	
CMPWU01	11.00	14.00	3.00	3.00	BASALT, GREY, FRACTURE	
CMPWU01	14.00	17.00	3.00	2.91	BASALT, GREY, FRACTURE	
CMPWU01	17.00	20.00	3.00	2.59	BASALT, GREY, HARD	
CMPWU01	20.00	23.00	3.00	2.99	BASALT, GREY, HARD	
CMPWU01	23.00	26.00	3.00	3.00	BASALT, GREY, HARD	
CMPWU01	26.00	29.00	3.00	3.00	BASALT, GREY, HARD	
CMPWU01	29.00	30.00	1.00	0.99	BASALT, GREY, HARD	
CMPWU01	30.00	32.00	2.00	2.00	BASALT, GREY, HARD	
CMPWU01	32.00	35.00	3.00	2.99	BASALT, GREY, HARD	
CMPWU01	35.00	38.00	3.00	2.98	BASALT, GREY, HARD	
CMPWU01	38.00	40.68	2.68	2.68	BASALT, GREY, FRACTURE, HARD	
CMPWU01	40.68	41.00	0.32	0.32	CLAY, GREY	
CMPWU01	41.00	44.00	3.00	3.00	BASALT, GREY, FRACTURE, HARD	
CMPWU01	44.00	47.00	3.00	3.00	BASALT, GREY, FRACTURE, HARD	
CMPWU01	47.00	50.00	3.00	3.00	BASALT, GREY, FRACTURE, HARD	
CMPWU01	50.00	53.00	3.00	3.00	BASALT, GREY, FRACTURE, HARD	
CMPWU01	53.00	56.00	3.00	3.00	BASALT, GREY, HARD	
CMPWU01	56.00	59.00	3.00	3.00	BASALT, GREY, HARD	
CMPWU01	59.00	62.00	3.00	2.95	BASALT, GREY, HARD	
CMPWU01	62.00	65.00	3.00	3.00	BASALT, GREY, FRACTURE, HARD	
CMPWU01	65.00	68.00	3.00	3.00	BASALT, GREY, FRACTURE, HARD	
CMPWU01	68.00	68.60	0.60	0.60	CLAY, GREENISH GREY, FRACTURE, HARD	
CMPWU01	68.60	71.00	2.40	2.40	BASALT, GREY, FRACTURE, HARD	
CMPWU01	71.00	74.00	3.00	3.00	BASALT, GREY, FRACTURE, HARD	
CMPWU01	74.00	77.00	3.00	3.00	BASALT, GREY, FRACTURE, HARD	
CMPWU01	77.00	79.73	2.73	2.73	BASALT, GREY, FRACTURE, HARD	
CMPWU01	79.73	80.00	0.27	0.27	CLAY, BROWN	
CMPWU01	80.00	83.00	3.00	3.00	CLAY, BROWN, SLICKENSIDED NEAR HORIZONTAL	
CMPWU01	83.00	84.18	1.18	1.14	CLAY, BROWN, SLICKENSIDED	
CMPWU01	84.18	86.00	1.82	1.82	BASALT, DARK GREY, FRACTURE, HARD	
CMPWU01	86.00	89.00	3.00	3.00	BASALT, DARK GREY, FRACTURE, HARD	
CMPWU01	89.00	92.00	3.00	3.00	BASALT, DARK GREY, HARD	
CMPWU01	92.00	95.00	3.00	2.95	BASALT, DARK GREY, HARD	
CMPWU01	95.00	95.86	0.86	0.86	BASALT, DARK GREY, HARD	
CMPWU01	95.86	98.00	2.14	2.14	SANDSTONE, WHITEEBBLY	
CMPWU01	98.00	100.00	2.00	0.61	SANDSTONE, WHITEEBBLY	
CMPWU01	100.00	101.00	1.00	1.00	CLAYSTONE, VARIEGATED, SLICKENSIDED	
CMPWU01	101.00	104.00	3.00	3.00	CLAYSTONE, BROWN	
CMPWU01	104.00	105.22	1.22	1.22	CLAYSTONE, BROWN	
CMPWU01	105.22	106.32	1.10	1.10	INT. CLAY AND SANDSTONE, VARIEGATED	
CMPWU01	106.32	107.00	0.68	0.68	SANDSTONE(MEDIUM GRAINED), GREY	
CMPWU01	107.00	110.00	3.00	2.99	SANDSTONE(MED. TO C. GRAINED), GREY	
CMPWU01	110.00	111.59	1.59	1.59	SANDSTONE(FINE TO MEDIUM GRAINED), GREY	
CMPWU01	111.59	113.00	1.41	1.41	CLAYSTONE, BROWN	
CMPWU01	113.00	114.95	1.95	1.89	CLAYSTONE, BROWN	
CMPWU01	114.95	115.40	0.45	0.45	SANDSTONE(FINE GRAINED), GREY	

**DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.**

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU01	115.40	116.00	0.60	0.48	CLAYSTONE, BROWN	
CMPWU01	116.00	117.50	1.50	1.48	CLAYSTONE, CHOCOLATE BROWN	
CMPWU01	117.50	118.03	0.53	0.50	INT. CLAY AND SANDSTONE, VARIEGATED	
CMPWU01	118.03	118.82	0.79	0.79	SANDSTONE(FINE GRAINED), GREY	
CMPWU01	118.82	119.00	0.18	0.18	CLAYSTONE, BROWN	
CMPWU01	119.00	120.63	1.63	1.63	CLAYSTONE, CHOCOLATE BROWN	
CMPWU01	120.63	120.95	0.32	0.32	SANDSTONE(FINE GRAINED), GREY	
CMPWU01	120.95	122.00	1.05	1.05	CLAYSTONE, VARIEGATED	
CMPWU01	122.00	122.28	0.28	0.27	SANDSTONE(MEDIUM GRAINED), GREY	
CMPWU01	122.28	123.33	1.05	0.96	INT. CLAY AND SANDSTONE, BROWNEBBLY, AT PLACES	
CMPWU01	123.33	124.15	0.82	0.82	SANDSTONE(MEDIUM GRAINED), GREYEBBLY, ALL OVER	
CMPWU01	124.15	125.00	0.85	0.81	CLAYSTONE, BROWN, SHALY, ALL OVER	
CMPWU01	125.00	128.00	3.00	2.99	CLAYSTONE, B , FACTURE, SLICKENSIDED	
CMPWU01	128.00	131.00	3.00	3.00	CLAYSTONE, BROWN, SANDY, AT PLACES	
CMPWU01	131.00	134.00	3.00	2.89	CLAYSTONE, BROWN, SANDY, AT PLACES	
CMPWU01	134.00	137.00	3.00	3.00	CLAYSTONE, BROWN, SANDY, AT PLACES, FACTURE, SLICKENSIDED	
CMPWU01	137.00	140.00	3.00	2.92	CLAYSTONE, BROWN, SANDY, AT PLACES, FACTURE, SLICKENSIDED	
CMPWU01	140.00	143.00	3.00	2.99	CLAYSTONE, CHOCOLATE BROWN	
CMPWU01	143.00	143.76	0.76	0.75	CLAYSTONE, CHOCOLATE BROWN	
CMPWU01	143.76	144.53	0.77	0.77	SANDSTONE(MEDIUM GRAINED), GREY	
CMPWU01	144.53	146.00	1.47	1.45	CLAYSTONE, BROWN, SLICKENSIDED	
CMPWU01	146.00	149.00	3.00	2.92	CLAYSTONE, BROWN, SANDY, ALL OVER	
CMPWU01	149.00	152.00	3.00	2.97	CLAYSTONE, VARIEGATED, SANDY, OVER TOP	
CMPWU01	152.00	153.05	1.05	1.04	CLAYSTONE, VARIEGATED, SANDY, OVER TOP	
CMPWU01	153.05	153.40	0.35	0.35	SHALE, GREY	
CMPWU01	153.40	153.90	0.50	0.43	CLAYSTONE, VARIEGATED	
CMPWU01	153.90	155.00	1.10	1.01	SANDSTONE(MED. TO C. GRAINED), GREY	
CMPWU01	155.00	156.25	1.25	1.24	SANDSTONE(COARSE GRAINED), GREY	
CMPWU01	156.25	158.00	1.75	1.51	CLAYSTONE, VARIEGATED, SANDY, AT PLACES	
CMPWU01	158.00	160.55	2.55	2.45	CLAYSTONE, VARIEGATED, SANDY, ALL OVER	
CMPWU01	160.55	161.00	0.45	0.38	SANDSTONE(FINE GRAINED), WHITE	
CMPWU01	161.00	163.38	2.38	2.35	CLAYSTONE, VARIEGATED	
CMPWU01	163.38	163.78	0.40	0.40	SANDSTONE(FINE GRAINED), WHITE	
CMPWU01	163.78	164.00	0.22	0.22	INT. CLAY AND SANDSTONE, GREY	
CMPWU01	164.00	164.30	0.30	0.30	CLAYSTONE, BROWN, SANDY, ALL OVER	
CMPWU01	164.30	164.79	0.49	0.49	SANDSTONE(FINE GRAINED), WHITE, CLAYEY, OVER BASE	
CMPWU01	164.79	165.24	0.45	0.43	CLAYSTONE, VARIEGATED	
CMPWU01	165.24	167.00	1.76	1.65	SANDSTONE(FINE TO MEDIUM GRAINED), GREY	
CMPWU01	167.00	168.59	1.59	1.44	CLAYSTONE, BROWN, SANDY, OVER BASE	
CMPWU01	168.59	169.55	0.96	0.96	INT. CLAY AND SANDSTONE, GREY	
CMPWU01	169.55	170.00	0.45	0.45	INT. CLAY AND SANDSTONE, GREY	
CMPWU01	170.00	170.34	0.34	0.34	INT. CLAY AND SANDSTONE, GREY	
CMPWU01	170.34	173.00	2.66	2.08	SANDSTONE(MED. TO C. GRAINED), GREY	
CMPWU01	173.00	176.00	3.00	1.54	SANDSTONE(MED. TO C. GRAINED), GREY	
CMPWU01	176.00	177.00	1.00	0.57	SANDSTONE(MEDIUM GRAINED), GREY	
CMPWU01	177.00	179.00	2.00	1.53	CLAYSTONE, VARIEGATED	
CMPWU01	179.00	179.40	0.40	0.20	CLAYSTONE, VARIEGATED	
CMPWU01	179.40	180.60	1.20	1.17	SANDSTONE(COARSE GRAINED), GREY	
CMPWU01	180.60	181.50	0.90	0.89	CLAYSTONE, BROWN	
CMPWU01	181.50	182.00	0.50	0.38	SANDSTONE(FINE GRAINED), GREY	

**DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.**

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU01	182.00	185.00	3.00	2.27	SANDSTONE(MED. TO C. GRAINED), SANDY, AT PLACES	
CMPWU01	185.00	188.00	3.00	2.65	SANDSTONE(FINE GRAINED), GREY	
CMPWU01	188.00	191.00	3.00	2.90	SANDSTONE(FINE TO MEDIUM GRAINED), GREY	
CMPWU01	191.00	194.00	3.00	2.87	CLAYSTONE, BROWN	
CMPWU01	194.00	197.00	3.00	2.97	CLAYSTONE, BROWN	
CMPWU01	197.00	200.00	3.00	2.97	CLAYSTONE, VARIEGATED	
CMPWU01	200.00	200.30	0.30	0.25	INT. SANDSTONE> SHALE, GREY	
CMPWU01	200.30	203.00	2.70	2.59	SANDSTONE(MEDIUM GRAINED), GREY, COALY, STREAKS	
CMPWU01	203.00	204.30	1.30	1.22	SANDSTONE(FINE GRAINED), GREY	
CMPWU01	204.30	206.00	1.70	1.60	INT. SANDSTONE> SHALE, GREY	
CMPWU01	206.00	208.10	2.10	2.08	SANDSTONE(FINE TO MEDIUM GRAINED), GREY, SANDY, BANDS	
CMPWU01	208.10	209.00	0.90	0.86	SHALY SANDSTONE, GREY	
CMPWU01	209.00	209.29	0.29	0.29	SHALY SANDSTONE, GREY	
CMPWU01	209.29	210.34	1.05	1.03	SANDSTONE(FINE TO MEDIUM GRAINED), GREY	
CMPWU01	210.34	210.82	0.48	0.48	SHALE, GREY	
CMPWU01	210.82	211.39	0.57	0.57	SANDY SHALE, GREY	
CMPWU01	211.39	212.00	0.61	0.61	SANDSTONE(FINE GRAINED), GREY	
CMPWU01	212.00	212.24	0.24	0.24	SANDSTONE(FINE GRAINED), GREY	
CMPWU01	212.24	212.59	0.35	0.35	INT. SANDSTONE> SHALE, GREY	
CMPWU01	212.59	213.08	0.49	0.48	SHALE, GREY, FRACTURE	
CMPWU01	213.08	213.99	0.91	0.91	SHALY SANDSTONE, GREY	
CMPWU01	213.99	214.67	0.68	0.68	SANDY SHALE, GREY	
CMPWU01	214.67	215.00	0.33	0.33	SHALY SANDSTONE, GREY	
CMPWU01	215.00	215.51	0.51	0.51	SHALY SANDSTONE, GREY	
CMPWU01	215.51	218.00	2.49	2.49	SANDSTONE(MEDIUM GRAINED), GREY, SANDY, BANDS	
CMPWU01	218.00	219.35	1.35	1.35	SANDSTONE(FINE GRAINED), GREY, SANDY, BANDS	
CMPWU01	219.35	220.00	0.65	0.65	CLAYSTONE, VARIEGATED, FRACTURE, SLICKENSIDED	
CMPWU01	220.00	221.00	1.00	0.98	CLAYSTONE, CHOCOLATE BROWN	
CMPWU01	221.00	224.00	3.00	3.00	CLAYSTONE, CHOCOLATE BROWN, FRACTURE, SLICKENSIDED	
CMPWU01	224.00	224.88	0.88	0.88	CLAYSTONE, CHOCOLATE BROWN	
CMPWU01	224.88	225.04	0.16	0.16	CLAYSTONE, CHOCOLATE BROWN	
CMPWU01	225.04	225.63	0.59	0.59	SANDSTONE(FINE GRAINED), GREY	
CMPWU01	225.63	227.00	1.37	1.37	INT. CLAY AND SANDSTONE, VARIEGATED	
CMPWU01	227.00	227.30	0.30	0.30	INT. CLAY AND SANDSTONE, VARIEGATED	
CMPWU01	227.30	229.88	2.58	2.58	CLAY, BROWN, FRACTURE	
CMPWU01	229.88	230.00	0.12	0.12	SANDSTONE(FINE GRAINED), GREY	
CMPWU01	230.00	230.15	0.15	0.15	SANDSTONE(FINE GRAINED), GREY	
CMPWU01	230.15	231.30	1.15	1.12	CLAYSTONE, VARIEGATED	
CMPWU01	231.30	231.61	0.31	0.31	INT. CLAY AND SANDSTONE, GREY	
CMPWU01	231.61	232.18	0.57	0.57	CLAYSTONE, VARIEGATED, FRIABLE	
CMPWU01	232.18	232.57	0.39	0.38	SANDY SHALE, GREY	
CMPWU01	232.57	233.00	0.43	0.43	SHALE, BROWN	
CMPWU01	233.00	233.17	0.17	0.16	SHALE, BROWN	
CMPWU01	233.17	235.23	2.06	2.06	CLAYSTONE, VARIEGATED, FRACTURE	
CMPWU01	235.23	235.59	0.36	0.36	SANDSTONE(FINE GRAINED), GREENISH GREY	
CMPWU01	235.59	235.81	0.22	0.22	CLAYSTONE, VARIEGATED	
CMPWU01	235.81	236.00	0.19	0.19	SANDSTONE(FINE GRAINED), GREY	
CMPWU01	236.00	239.00	3.00	2.89	INT. CLAY AND SANDSTONE, VARIEGATED	
CMPWU01	239.00	239.13	0.13	0.13	SANDSTONE(FINE TO MEDIUM GRAINED), GREY	
CMPWU01	239.13	242.00	2.87	2.87	SANDY SHALE, BROWN	
CMPWU01	242.00	245.00	3.00	3.00	SANDY SHALE, BROWN	

**DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.**

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU01	245.00	245.68	0.68	0.61	SANDSTONE(FINE GRAINED), GREY	
CMPWU01	245.68	246.06	0.38	0.37	SANDY SHALE, BROWN	
CMPWU01	246.06	246.18	0.12	0.11	SANDSTONE(FINE GRAINED), GREY	
CMPWU01	246.18	248.00	1.82	1.80	SANDY SHALE, BROWN	
CMPWU01	248.00	249.39	1.39	1.39	SANDY SHALE, BROWN	
CMPWU01	249.39	250.36	0.97	0.97	SANDSTONE(FINE TO MEDIUM GRAINED), GREY	
CMPWU01	250.36	251.00	0.64	0.60	CLAYSTONE, BROWN	
CMPWU01	251.00	251.32	0.32	0.30	CLAYSTONE, BROWN	
CMPWU01	251.32	251.67	0.35	0.35	SANDY SHALE, BROWN	
CMPWU01	251.67	252.17	0.50	0.50	SHALY SANDSTONE, BROWN	
CMPWU01	252.17	253.50	1.33	1.31	CLAY, BROWN, SANDY, ALL OVER	
CMPWU01	253.50	254.00	0.50	0.50	SANDSTONE, CLAYEY, ALL OVER	
CMPWU01	254.00	255.64	1.64	1.62	CLAY, BROWN, SANDY, ALL OVER	
CMPWU01	255.64	257.00	1.36	1.36	INT. CLAY AND SANDSTONE, BROWN	
CMPWU01	257.00	258.50	1.50	1.50	INT. SANDSTONE> SHALE, VARIEGATED	
CMPWU01	258.50	260.00	1.50	1.49	INT. SHALE > SANDSTONE, BROWN	
CMPWU01	260.00	261.31	1.31	1.31	INT. SHALE > SANDSTONE, BROWN	
CMPWU01	261.31	262.66	1.35	1.35	SANDSTONE(FINE TO MEDIUM GRAINED), GREY	
CMPWU01	262.66	263.00	0.34	0.34	SANDY SHALE, BROWN	
CMPWU01	263.00	263.39	0.39	0.39	SANDY SHALE, BROWN, SLICKENSIDED	
CMPWU01	263.39	266.00	2.61	2.61	CLAYSTONE, BROWN, SANDY, ALL OVER	
CMPWU01	266.00	266.32	0.32	0.32	SANDY SHALE, VARIEGATED	
CMPWU01	266.32	266.99	0.67	0.66	CLAYSTONE, BROWN	
CMPWU01	266.99	269.00	2.01	2.01	INT. SANDSTONE = SHALE, GREY, FRACTURE HIGH ANGLE	
CMPWU01	269.00	270.28	1.28	1.28	SANDY SHALE, GREYISH BROWN, OVER TOP, FRACTURE HIGH ANGLE	
CMPWU01	270.28	272.00	1.72	1.72	CLAYSTONE, BROWN, SANDY, ALL OVER	
CMPWU01	272.00	275.00	3.00	2.97	CLAYSTONE, BROWN, SANDY, ALL OVER	
CMPWU01	275.00	278.00	3.00	2.99	CLAYSTONE, BROWN	
CMPWU01	278.00	281.00	3.00	2.99	CLAYSTONE, BROWN	
CMPWU01	281.00	283.78	2.78	2.78	CLAYSTONE, BROWN, SANDY, ALL OVER	
CMPWU01	283.78	284.00	0.22	0.22	CLAYSTONE, BROWN	
CMPWU01	284.00	284.81	0.81	0.81	SANDY SHALE, BROWN	
CMPWU01	284.81	287.00	2.19	2.18	CLAYSTONE, CHOCOLATE BROWN	
CMPWU01	287.00	287.12	0.12	0.12	CLAYSTONE, CHOCOLATE BROWN	
CMPWU01	287.12	288.30	1.18	1.18	INT. CLAY AND SANDSTONE, BROWN	
CMPWU01	288.30	288.90	0.60	0.60	INT. CLAY AND SANDSTONE, BROWN	
CMPWU01	288.90	290.00	1.10	1.10	SANDSTONE(FINE GRAINED), GREENISH GREY	
CMPWU01	290.00	290.82	0.82	0.82	SANDSTONE(FINE GRAINED), GREENISH GREY	
CMPWU01	290.82	292.30	1.48	1.48	SANDSTONE(FINE GRAINED), VARIEGATED, CLAYEY, ALL OVER	
CMPWU01	292.30	293.00	0.70	0.70	SANDSTONE(FINE GRAINED), GREY	
CMPWU01	293.00	293.94	0.94	0.94	SANDSTONE(FINE TO MEDIUM GRAINED), GREYEBBLY, AT PLACES	
CMPWU01	293.94	294.44	0.50	0.50	SANDY SHALE, BROWN, SLICKENSIDED	
CMPWU01	294.44	296.00	1.56	1.54	CLAYSTONE, BROWN	
CMPWU01	296.00	296.25	0.25	0.23	CLAYSTONE, BROWN	
CMPWU01	296.25	297.07	0.82	0.81	SANDY SHALE, BROWN	
CMPWU01	297.07	297.40	0.33	0.33	SANDY SHALE, BROWN	
CMPWU01	297.40	299.00	1.60	1.57	CLAYSTONE, VARIEGATED	
CMPWU01	299.00	300.65	1.65	1.65	CLAYSTONE, CHOCOLATE BROWN	
CMPWU01	300.65	302.00	1.35	1.35	SANDY SHALE, VARIEGATED	
CMPWU01	302.00	302.24	0.24	0.24	SANDY SHALE, VARIEGATED	

**DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.**

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU01	302.24	304.00	1.76	1.76	CLAYSTONE, CHOCOLATE BROWN, FRACTURE	
CMPWU01	304.00	304.70	0.70	0.70	CLAYSTONE, CHOCOLATE BROWN, FRACTURE	
CMPWU01	304.70	304.80	0.10	0.10	SANDSTONE(FINE GRAINED), GREY	
CMPWU01	304.80	305.00	0.20	0.20	CLAYSTONE, BROWN	
CMPWU01	305.00	305.34	0.34	0.34	SANDY SHALE, BROWN	
CMPWU01	305.34	306.02	0.68	0.68	CLAY, BROWN	
CMPWU01	306.02	308.00	1.98	1.98	SANDY SHALE, VARIEGATED	
CMPWU01	308.00	308.38	0.38	0.38	SANDY SHALE, VARIEGATED	
CMPWU01	308.38	311.00	2.62	2.62	CLAYSTONE, CHOCOLATE BROWN	
CMPWU01	311.00	312.38	1.38	1.38	SANDY SHALE, BROWN, FRACTURE HIGH ANGLE	
CMPWU01	312.38	314.00	1.62	1.62	SANDSTONE(FINE GRAINED), GREY	
CMPWU01	314.00	315.49	1.49	1.49	SANDSTONE(FINE GRAINED), GREY	
CMPWU01	315.49	316.46	0.97	0.97	SANDY SHALE, BROWN	
CMPWU01	316.46	317.00	0.54	0.54	CLAYSTONE, BROWN	
CMPWU01	317.00	320.00	3.00	2.98	CLAYSTONE, CHOCOLATE BROWN	
CMPWU01	320.00	323.00	3.00	2.99	CLAY, CHOCOLATE BROWN, BROKEN IN PLACES	
CMPWU01	323.00	326.00	3.00	2.99	CLAY, CHOCOLATE BROWN, BROKEN IN PLACES	
CMPWU01	326.00	329.00	3.00	2.98	CLAY, CHOCOLATE BROWN, BROKEN IN PLACES	
CMPWU01	329.00	332.00	3.00	2.99	CLAY, CHOCOLATE BROWN, BROKEN IN PLACES	
CMPWU01	332.00	332.70	0.70	0.65	CLAY, CHOCOLATE BROWN, BROKEN IN PLACES	
CMPWU01	332.70	333.60	0.90	0.90	INT. CLAY AND SANDSTONE, BROWNISH GREY	
CMPWU01	333.60	335.00	1.40	1.30	CLAY, BROWN	
CMPWU01	335.00	336.97	1.97	1.95	CLAY, BROWN	
CMPWU01	336.97	337.50	0.53	0.53	INT. CLAY AND SANDSTONE, BROWNISH GREY	
CMPWU01	337.50	337.84	0.34	0.34	CLAY, BROWN	
CMPWU01	337.84	338.00	0.16	0.16	INT. CLAY AND SANDSTONE, BROWNISH GREY	
CMPWU01	338.00	338.08	0.08	0.08	INT. CLAY AND SANDSTONE, BROWNISH GREY	
CMPWU01	338.08	339.00	0.92	0.92	CLAY, BROWN, FRIABLE	
CMPWU01	339.00	341.00	2.00	1.99	CLAY, BROWN, FRACTURE HIGH ANGLE	
CMPWU01	341.00	344.00	3.00	2.00	CLAY, GREYISH BROWN, FRIABLE	
CMPWU01	344.00	345.85	1.85	1.85	CLAY, BROWN	
CMPWU01	345.85	346.23	0.38	0.38	INT. CLAY AND SANDSTONE, BROWNISH GREY	
CMPWU01	346.23	347.00	0.77	0.77	SANDSTONE(FINE GRAINED), BROWNISH GREY	
CMPWU01	347.00	348.15	1.15	1.15	SANDSTONE(FINE GRAINED), BROWNISH GREY	
CMPWU01	348.15	349.00	0.85	0.85	CLAY, BROWN	
CMPWU01	349.00	349.18	0.18	0.18	INT. CLAY AND SANDSTONE, BROWNISH GREY, FRACTURE HIGH ANGLE	
CMPWU01	349.18	350.00	0.82	0.82	CLAYSTONE, CHOCOLATE BROWN, OVER BASE, FRIABLE	
CMPWU01	350.00	353.00	3.00	2.99	CLAYSTONE, CHOCOLATE BROWN, BROKEN IN PLACES	
CMPWU01	353.00	353.82	0.82	0.80	CLAYSTONE, CHOCOLATE BROWN, SANDY, AT PLACES, BROKEN IN PLACES	
CMPWU01	353.82	354.17	0.35	0.35	INT. CLAY AND SANDSTONE, BROWNISH GREY	
CMPWU01	354.17	356.00	1.83	1.80	CLAY, CHOCOLATE BROWN, SANDY, ALL OVER, FRIABLE	
CMPWU01	356.00	356.87	0.87	0.87	INT. CLAY AND SANDSTONE, BROWN, FRACTURE HIGH ANGLE	
CMPWU01	356.87	357.20	0.33	0.33	INT. CLAY AND SANDSTONE, BROWN	
CMPWU01	357.20	358.50	1.30	1.30	CLAY, BROWN, FRIABLE	
CMPWU01	358.50	359.00	0.50	0.50	INT. CLAY AND SANDSTONE, GREY	
CMPWU01	359.00	359.38	0.38	0.38	CLAY, DARK BROWN	
CMPWU01	359.38	359.87	0.49	0.49	INT. CLAY AND SANDSTONE, GREY	
CMPWU01	359.87	360.25	0.38	0.38	CLAY, DARK BROWN	
CMPWU01	360.25	361.48	1.23	1.23	INT. CLAY AND SANDSTONE, BROWNISH GREY	
CMPWU01	361.48	362.00	0.52	0.52	CLAYSTONE, BROWN, SANDY, ALL OVER	

**DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.**

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU01	362.00	363.75	1.75	1.75	CLAYSTONE, BROWN	
CMPWU01	363.75	365.00	1.25	1.25	INT. SANDSTONE> SHALE, GREY	
CMPWU01	365.00	368.00	3.00	2.23	INT. CLAY AND SANDSTONE, VARIEGATED, FRACTURE HIGH ANGLE	
CMPWU01	368.00	370.50	2.50	2.49	INT. CLAY AND SANDSTONE, VARIEGATED	
CMPWU01	370.50	371.00	0.50	0.49	CLAYSTONE, BROWN, FRACTURE	
CMPWU01	371.00	374.00	3.00	2.99	CLAYSTONE, CHOCOLATE BROWN, FRIABLE	
CMPWU01	374.00	374.53	0.53	0.53	CLAYSTONE, CHOCOLATE BROWN, FRACTURE, SLICKENSIDED	
CMPWU01	374.53	374.98	0.45	0.45	INT. SANDSTONE> SHALE, GREY, SLICKENSIDED	
CMPWU01	374.98	376.00	1.02	1.02	INT. CLAY AND SANDSTONE, BROWN	
CMPWU01	376.00	376.64	0.64	0.64	CLAYSTONE, CHOCOLATE BROWN, SANDY, AT PLACES	
CMPWU01	376.64	377.00	0.36	0.36	INT. CLAY AND SANDSTONE, GREY	
CMPWU01	377.00	377.38	0.38	0.38	INT. CLAY AND SANDSTONE, BROWNISH GREY	
CMPWU01	377.38	380.00	2.62	2.62	CLAYSTONE, CHOCOLATE BROWN	
CMPWU01	380.00	383.00	3.00	2.94	CLAYSTONE, CHOCOLATE BROWN, SANDY, ALL OVER, FRACTURE	
CMPWU01	383.00	386.00	3.00	2.99	CLAYSTONE, CHOCOLATE BROWN, OVER BASE, FRACTURE	
CMPWU01	386.00	386.76	0.76	0.76	CLAYSTONE, CHOCOLATE BROWN, OVER BASE, FRACTURE	
CMPWU01	386.76	387.36	0.60	0.60	INT. SANDSTONE> SHALE, GREY	
CMPWU01	387.36	387.64	0.28	0.28	CLAYSTONE, CHOCOLATE BROWN	
CMPWU01	387.64	387.83	0.19	0.19	INT. SANDSTONE> SHALE, GREY	
CMPWU01	387.83	388.08	0.25	0.25	CLAYSTONE, BROWN	
CMPWU01	388.08	389.00	0.92	0.92	INT. SANDSTONE = SHALE, GREY	
CMPWU01	389.00	389.53	0.53	0.53	INT. SANDSTONE = SHALE, GREY	
CMPWU01	389.53	389.96	0.43	0.43	SANDSTONE(FINE GRAINED), GREY	
CMPWU01	389.96	392.00	2.04	2.04	INT. CLAY AND SANDSTONE, BROWN	
CMPWU01	392.00	395.00	3.00	2.99	CLAY, CHOCOLATE BROWN, ALL OVER, FAULTED	
CMPWU01	395.00	398.00	3.00	2.98	CLAY, CHOCOLATE BROWN, ALL OVER, FAULTED	
CMPWU01	398.00	400.34	2.34	2.34	CLAY, CHOCOLATE BROWN, SANDY, ALL OVER	
CMPWU01	400.34	401.00	0.66	0.66	INT. CLAY AND SANDSTONE, GREY	
CMPWU01	401.00	404.00	3.00	2.99	CLAY, CHOCOLATE BROWN	
CMPWU01	404.00	406.00	2.00	1.98	CLAY, CHOCOLATE BROWN, FRIABLE	
CMPWU01	406.00	407.00	1.00	0.99	CLAY, CHOCOLATE BROWN, OVER BASE, FRACTURE	
CMPWU01	407.00	408.90	1.90	1.90	CLAY, CHOCOLATE BROWN, FRACTURE	
CMPWU01	408.90	409.22	0.32	0.32	INT. CLAY AND SANDSTONE, BROWNISH GREY	
CMPWU01	409.22	410.00	0.78	0.78	CLAY, BROWN, FRIABLE	
CMPWU01	410.00	410.25	0.25	0.25	CLAY, BROWN, FRIABLE	
CMPWU01	410.25	410.49	0.24	0.24	SHALE, GREY	
CMPWU01	410.49	411.27	0.78	0.78	CLAY, BROWN	
CMPWU01	411.27	411.35	0.08	0.08	SHALE, GREY	
CMPWU01	411.35	413.00	1.65	1.65	CLAY, CHOCOLATE BROWN	
CMPWU01	413.00	413.99	0.99	0.99	CLAY, CHOCOLATE BROWN	
CMPWU01	413.99	414.13	0.14	0.14	SANDY SHALE, GREY	
CMPWU01	414.13	415.53	1.40	1.40	CLAY, CHOCOLATE BROWN	
CMPWU01	415.53	416.00	0.47	0.47	SANDSTONE(FINE GRAINED), GREY	
CMPWU01	416.00	416.11	0.11	0.11	SANDSTONE(FINE GRAINED), GREY	
CMPWU01	416.11	416.25	0.14	0.14	INT. CLAY AND SANDSTONE, BROWN	
CMPWU01	416.25	417.85	1.60	1.60	INT. SANDSTONE> SHALE, GREY	
CMPWU01	417.85	418.00	0.15	0.15	SANDSTONE(FINE TO MEDIUM GRAINED), GREY	
CMPWU01	418.00	419.00	1.00	1.00	SANDSTONE(FINE TO MEDIUM GRAINED), GREY	
CMPWU01	419.00	419.67	0.67	0.67	SANDSTONE(FINE TO MEDIUM GRAINED), GREY	
CMPWU01	419.67	420.09	0.42	0.42	SANDY SHALE, GREY	
CMPWU01	420.09	422.00	1.91	1.90	CLAY, CHOCOLATE BROWN	

**DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.**

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU01	422.00	422.33	0.33	0.33	CLAY, CHOCOLATE BROWN	
CMPWU01	422.33	423.09	0.76	0.76	SANDSTONE(FINE GRAINED), GREY	
CMPWU01	423.09	423.73	0.64	0.64	INT. CLAY AND SANDSTONE, BROWN	
CMPWU01	423.73	424.00	0.27	0.27	SANDSTONE(FINE GRAINED), GREY	
CMPWU01	424.00	424.74	0.74	0.74	CLAY, DARK BROWN	
CMPWU01	424.74	424.84	0.10	0.10	SANDSTONE(FINE GRAINED), GREY	
CMPWU01	424.84	425.00	0.16	0.16	INT. CLAY AND SANDSTONE, BROWN	
CMPWU01	425.00	425.47	0.47	0.47	CLAY, BROWN	
CMPWU01	425.47	425.86	0.39	0.39	CLAY, DARK BROWN	
CMPWU01	425.86	426.49	0.63	0.63	SHALE, GREY	
CMPWU01	426.49	428.00	1.51	1.51	CLAY, BROWN, ALL OVER, FRACTURE, FRIABLE	
CMPWU01	428.00	431.00	3.00	2.99	CLAY, BROWN, AT PLACES, FRIABLE	
CMPWU01	431.00	434.00	3.00	2.95	CLAY, BROWN, OVER BASE, FRIABLE	
CMPWU01	434.00	436.00	2.00	1.99	CLAY, BROWN, ALL OVER, FRIABLE	
CMPWU01	436.00	436.29	0.29	0.29	CLAY, BROWN, FRIABLE	
CMPWU01	436.29	436.47	0.18	0.18	SHALE, GREY	
CMPWU01	436.47	437.00	0.53	0.53	CLAY, DARK BROWN, FRIABLE	
CMPWU01	437.00	438.80	1.80	1.80	CLAY, CHOCOLATE BROWN	
CMPWU01	438.80	439.70	0.90	0.90	SHALE, VARIEGATED, CLAYEY, ALL OVER	
CMPWU01	439.70	440.00	0.30	0.30	CLAY, BROWN	
CMPWU01	440.00	441.15	1.15	1.15	CLAY, BROWN	
CMPWU01	441.15	443.00	1.85	1.85	SHALE, GREY, CLAYEY, ALL OVER, FRACTURE	
CMPWU01	443.00	443.60	0.60	0.60	SHALE, GREY, CLAYEY, ALL OVER, FRACTURE HIGH ANGLE	
CMPWU01	443.60	444.40	0.80	0.80	CLAY, VARIEGATED, FRACTURE	
CMPWU01	444.40	446.00	1.60	1.60	SHALE, BROWNISH GREY, CLAYEY, ALL OVER	
CMPWU01	446.00	446.95	0.95	0.95	SHALE, BROWNISH GREY, CLAYEY, ALL OVER	
CMPWU01	446.95	448.50	1.55	1.55	CLAY, SHALY, ALL OVER	
CMPWU01	448.50	449.00	0.50	0.50	SHALE, GREY, CLAYEY, ALL OVER, FRACTURE	
CMPWU01	449.00	449.07	0.07	0.07	SHALE, GREY	
CMPWU01	449.07	452.00	2.93	2.93	SANDY SHALE, GREY	
CMPWU01	452.00	454.00	2.00	1.99	CLAY, VARIEGATED	
CMPWU01	454.00	454.06	0.06	0.06	SANDSTONE(FINE GRAINED), GREY	
CMPWU01	454.06	455.00	0.94	0.93	INT. CLAY AND SANDSTONE, GREY, FRACTURE HIGH ANGLE	
CMPWU01	455.00	457.74	2.74	2.74	INT. CLAY AND SANDSTONE, BROWN	
CMPWU01	457.74	458.00	0.26	0.26	CLAY, VARIEGATED	
CMPWU01	458.00	461.00	3.00	2.99	CLAYSTONE, VARIEGATED, SANDY, ALL OVER	
CMPWU01	461.00	464.00	3.00	2.99	CLAY, DARK BROWN, SANDY, ALL OVER, FRIABLE	
CMPWU01	464.00	467.00	3.00	2.99	CLAY, VARIEGATED, SANDY, ALL OVER	
CMPWU01	467.00	470.00	3.00	2.99	CLAYSTONE, VARIEGATED	
CMPWU01	470.00	470.65	0.65	0.50	CLAYSTONE, VARIEGATED	
CMPWU01	470.65	472.45	1.80	1.75	INT. CLAY AND SANDSTONE, BROWN	
CMPWU01	472.45	473.00	0.55	0.49	SHALE, VARIEGATED, CLAYEY, ALL OVER	
CMPWU01	473.00	475.55	2.55	2.54	CLAY, VARIEGATED, OVER TOP, FRIABLE	
CMPWU01	475.55	476.00	0.45	0.44	CLAYSTONE, BROWN	
CMPWU01	476.00	476.27	0.27	0.27	INT. CLAY AND SANDSTONE, BROWN	
CMPWU01	476.27	476.54	0.27	0.27	CLAY, BROWN, SHALY, ALL OVER	
CMPWU01	476.54	477.04	0.50	0.50	SHALE, BROWNISH GREY, CLAYEY, ALL OVER, SLICKENSIDED	
CMPWU01	477.04	477.27	0.23	0.23	SANDSTONE(FINE GRAINED), GREY	
CMPWU01	477.27	477.95	0.68	0.68	INT. CLAY AND SANDSTONE, BROWN	
CMPWU01	477.95	478.90	0.95	0.95	SHALE, BROWNISH GREY, CLAYEY, ALL OVER	
CMPWU01	478.90	479.00	0.10	0.10	SANDY SHALE, DARK GREY	
CMPWU01	479.00	479.43	0.43	0.43	SANDY SHALE, DARK GREY	

DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU01	479.43	479.65	0.22	0.22	SANDSTONE(FINE GRAINED), GREY	
CMPWU01	479.65	479.91	0.26	0.26	SHALE, GREY, CLAYEY, ALL OVER, SLICKENSIDED	
CMPWU01	479.91	481.72	1.81	1.81	CLAYSTONE, BROWN, SANDY, ALL OVER	
CMPWU01	481.72	482.00	0.28	0.28	INT. SANDSTONE> SHALE, GREY	
CMPWU01	482.00	482.62	0.62	0.62	INT. SANDSTONE> SHALE, GREY	
CMPWU01	482.62	483.04	0.42	0.42	CLAY, BROWN, SHALY, ALL OVER	
CMPWU01	483.04	483.24	0.20	0.20	SHALE, BROWNISH GREY, CLAYEY, ALL OVER	
CMPWU01	483.24	483.86	0.62	0.62	SANDSTONE(FINE GRAINED), GREY	
CMPWU01	483.86	484.36	0.50	0.50	SHALE, BROWN, CLAYEY, ALL OVER	
CMPWU01	484.36	484.88	0.52	0.51	SHALE, BROWN, CLAYEY, ALL OVER, FRACTURE	
CMPWU01	484.88	485.00	0.12	0.12	SANDSTONE(FINE GRAINED), GREY	
CMPWU01	485.00	487.22	2.22	2.22	SANDSTONE(FINE GRAINED), GREY	
CMPWU01	487.22	488.00	0.78	0.78	CLAY, BROWN, SHALY, ALL OVER	
CMPWU01	488.00	491.00	3.00	2.95	CLAY, BROWN, SHALY, ALL OVER	
CMPWU01	491.00	492.22	1.22	1.22	CLAY, BROWN, SHALY, OVER BASE, SLICKENSIDED	
CMPWU01	492.22	493.26	1.04	1.04	SANDSTONE(FINE GRAINED), GREY	
CMPWU01	493.26	494.00	0.74	0.74	SANDY SHALE, DARK GREY	
CMPWU01	494.00	494.30	0.30	0.29	SANDY SHALE, DARK GREY	
CMPWU01	494.30	496.00	1.70	1.69	INT. SANDSTONE> SHALE, GREY	
CMPWU01	496.00	496.68	0.68	0.68	SANDSTONE(FINE GRAINED), GREY, COALY, STREAKS	
CMPWU01	496.68	497.00	0.32	0.32	SHALE, GREY, SLICKENSIDED	
CMPWU01	497.00	497.45	0.45	0.45	SHALE, GREY	
CMPWU01	497.45	499.54	2.09	2.09	SANDSTONE(FINE GRAINED), GREY	
CMPWU01	499.54	499.90	0.36	0.36	INT. SHALE > SANDSTONE, GREY	
CMPWU01	499.90	500.00	0.10	0.10	SANDSTONE(MED. TO C. GRAINED), GREY	
CMPWU01	500.00	503.00	3.00	3.00	SANDSTONE(MED. TO C. GRAINED), GREY, COALY, STREAKS	
CMPWU01	503.00	505.19	2.19	2.19	SANDSTONE(MED. TO C. GRAINED), DARK GREY, COALY, STREAKS	
CMPWU01	505.19	506.00	0.81	0.81	SANDY SHALE, DARK GREY	
CMPWU01	506.00	506.90	0.90	0.86	SANDY SHALE, DARK GREY	
CMPWU01	506.90	507.40	0.50	0.46	SHALY COAL, BROWN	
CMPWU01	507.40	507.87	0.47	0.41	SANDY SHALE, DARK GREY	
CMPWU01	507.87	507.90	0.03	0.03	COAL, DARK GREY	
CMPWU01	507.90	508.25	0.35	0.30	SHALE, DARK GREY, COALY, STREAKS	
CMPWU01	508.25	509.00	0.75	0.70	SANDSTONE(FINE GRAINED), GREY, COALY, STREAKS	
CMPWU01	509.00	510.91	1.91	1.90	SANDSTONE(FINE GRAINED), DARK GREY, COALY, STREAKS	
CMPWU01	510.91	511.11	0.20	0.20	SHALE, DARK GREY	
CMPWU01	511.11	512.00	0.89	0.89	SANDSTONE(FINE GRAINED), GREY, FRACTURE	
CMPWU01	512.00	512.89	0.89	0.89	SHALE, DARK GREY, COALY, STREAKS	
<b>CMPWU01</b>	<b>512.89</b>	<b>513.29</b>	<b>0.40</b>	<b>0.40</b>	<b>COAL SEAM</b>	<b>IA</b>
CMPWU01	513.29	514.42	1.13	1.13	SANDY SHALE, DARK GREY	
<b>CMPWU01</b>	<b>514.42</b>	<b>521.14</b>	<b>6.72</b>	<b>6.72</b>	<b>COAL SEAM</b>	<b>IB</b>
CMPWU01	521.14	523.00	1.86	1.86	SANDSTONE(FINE GRAINED), GREY, COALY, ALL OVER	
CMPWU01	523.00	523.16	0.16	0.16	SANDSTONE(FINE GRAINED), GREY, COALY, ALL OVER	
CMPWU01	523.16	524.00	0.84	0.84	SHALE, DARK GREY	
CMPWU01	524.00	524.60	0.60	0.60	SHALE, DARK GREY	
<b>CMPWU01</b>	<b>524.60</b>	<b>527.96</b>	<b>3.36</b>	<b>3.36</b>	<b>COAL SEAM</b>	<b>IC</b>
CMPWU01	527.96	528.47	0.51	0.51	SHALE, DARK GREY	
CMPWU01	528.47	528.87	0.40	0.40	INT. SHALE > SANDSTONE, DARK GREY	
CMPWU01	528.87	530.00	1.13	1.13	SHALE, DARK GREY	
CMPWU01	530.00	533.00	3.00	3.00	ALTERNATING SHALE AND SST, GREY, COALY, STREAKS	
CMPWU01	533.00	533.09	0.09	0.09	ALTERNATING SHALE AND SST, GREY	
CMPWU01	533.09	533.94	0.85	0.85	SHALE, DARK GREY, COALY, STREAKS	



DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED  
EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU01	533.94	534.94	1.00	1.00	SHALE, BLACK	
<b>CMPWU01</b>	<b>534.94</b>	<b>536.49</b>	<b>1.55</b>	<b>1.55</b>	<b>COAL SEAM</b>	<b>IIA</b>
CMPWU01	536.49	536.72	0.23	0.23	CARB SHALE HIGH, BLACK, COALY, STREAKS	
CMPWU01	536.72	536.94	0.22	0.22	COAL, BLACK	
CMPWU01	536.94	537.54	0.60	0.60	ALTERNATING SHALE AND SST, GREY, COALY, STREAKS	
CMPWU01	537.54	538.00	0.46	0.46	SANDSTONE(FINE GRAINED), GREY, COALY, STREAKS	
CMPWU01	538.00	538.40	0.40	0.40	SANDSTONE(FINE GRAINED), GREY, COALY, STREAKS	
<b>CMPWU01</b>	<b>538.40</b>	<b>539.45</b>	<b>1.05</b>	<b>1.05</b>	<b>COAL SEAM</b>	<b>IIB</b>
CMPWU01	539.45	542.00	2.55	2.55	SANDSTONE(FINE GRAINED), GREY, COALY, STREAKS	
CMPWU01	542.00	542.74	0.74	0.74	SANDSTONE(FINE GRAINED), GREY, COALY, STREAKS	
<b>CMPWU01</b>	<b>542.74</b>	<b>546.30</b>	<b>3.56</b>	<b>3.56</b>	<b>COAL SEAM</b>	<b>III</b>
CMPWU01	546.30	546.59	0.29	0.29	CARB SHALE HIGH, BLACK	
CMPWU01	546.59	548.00	1.41	1.41	SANDSTONE(FINE GRAINED), GREY, COALY, STREAKS	
CMPWU01	548.00	549.65	1.65	1.65	SANDSTONE(FINE GRAINED), GREY, COALY, STREAKS	
CMPWU01	549.65	549.78	0.13	0.13	SHALE, DARK GREY, COALY, BANDS	
<b>CMPWU01</b>	<b>549.78</b>	<b>554.38</b>	<b>4.60</b>	<b>4.60</b>	<b>COAL SEAM</b>	<b>IV</b>
CMPWU01	554.38	556.77	2.39	2.39	SANDSTONE(FINE GRAINED), GREY	
<b>CMPWU01</b>	<b>556.77</b>	<b>558.18</b>	<b>1.41</b>	<b>1.41</b>	<b>COAL SEAM</b>	<b>VA</b>
CMPWU01	558.18	560.00	1.82	1.82	SANDSTONE(FINE GRAINED), GREY	
CMPWU01	560.00	562.05	2.05	2.05	SANDSTONE(FINE GRAINED), GREY, COALY, STREAKS	
CMPWU01	562.05	562.95	0.90	0.90	SHALY COAL, BLACK	
CMPWU01	562.95	563.00	0.05	0.05	SANDSTONE(FINE GRAINED), GREY	
CMPWU01	563.00	563.31	0.31	0.31	SANDSTONE(FINE GRAINED), GREY, COALY, STREAKS	
CMPWU01	563.31	563.41	0.10	0.10	COAL, BLACK	
CMPWU01	563.41	563.71	0.30	0.30	INT. CLAY AND SANDSTONE, GREY	
CMPWU01	563.71	564.35	0.64	0.64	ALTERNATING SHALE AND SST, GREY, COALY, STREAKS	
CMPWU01	564.35	564.62	0.27	0.27	SANDY SHALE, DARK GREY, COALY, OVER BASE	
CMPWU01	564.62	565.09	0.47	0.45	INT. SANDSTONE> SHALE, GREY, COALY, STREAKS	
CMPWU01	565.09	565.14	0.05	0.05	COAL, BLACK	
CMPWU01	565.14	565.93	0.79	0.79	ALTERNATING SHALE AND SST, GREY	
<b>CMPWU01</b>	<b>565.93</b>	<b>566.45</b>	<b>0.52</b>	<b>0.52</b>	<b>COAL SEAM</b>	<b>VB</b>
CMPWU01	566.45	566.55	0.10	0.10	INT. SHALE > SANDSTONE, GREY	
CMPWU01	566.55	566.65	0.10	0.10	SHALE, DARK GREY	
CMPWU01	566.65	567.11	0.46	0.46	INT. SHALE > SANDSTONE, GREY	
CMPWU01	567.11	567.32	0.21	0.21	SHALE, DARK GREY	
CMPWU01	567.32	567.44	0.12	0.12	COAL, BLACK	
CMPWU01	567.44	567.63	0.19	0.19	SHALE, DARK GREY	
CMPWU01	567.63	567.70	0.07	0.07	COAL, BLACK	
CMPWU01	567.70	568.00	0.30	0.29	INT. SHALE > SANDSTONE, GREY	
CMPWU01	568.00	569.00	1.00	1.00	INT. SANDSTONE> SHALE, GREY	
CMPWU01	569.00	570.21	1.21	1.21	INT. SANDSTONE> SHALE, GREY	
CMPWU01	570.21	570.33	0.12	0.12	COAL, BLACK	
CMPWU01	570.33	572.00	1.67	1.67	SANDSTONE(FINE GRAINED), GREY, COALY, STREAKS	
CMPWU01	572.00	572.12	0.12	0.12	SANDY SHALE, GREY	
CMPWU01	572.12	572.80	0.68	0.68	SANDSTONE(FINE GRAINED), GREY, COALY, STREAKS	
CMPWU01	572.80	572.90	0.10	0.10	SANDY SHALE, GREY	
CMPWU01	572.90	575.00	2.10	2.10	ALTERNATING SHALE AND SST, GREY, COALY, AT PLACES	
CMPWU01	575.00	578.00	3.00	3.00	ALTERNATING SST AND SHALE, GREY, COALY, AT PLACES	
CMPWU02	0.00	2.00	2.00	1.99	BASALT, BROWNISH GREY, WEATHERED, FRACTURE	
CMPWU02	2.00	3.50	1.50	1.50	BASALT, BROWNISH GREY, WEATHERED, FRACTURE	
CMPWU02	3.50	6.50	3.00	2.89	BASALT, BROWNISH GREY, WEATHERED, FRACTURE	
CMPWU02	6.50	9.50	3.00	2.96	BASALT, BROWNISH GREY, WEATHERED, FRACTURE	

DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED  
EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU02	9.50	12.50	3.00	2.93	BASALT, BROWNISH GREY, WEATHERED, FRACTURE HIGH ANGLE	
CMPWU02	12.50	14.55	2.05	2.05	BASALT, BROWNISH GREY, WEATHERED, FRACTURE	
CMPWU02	14.55	15.50	0.95	0.95	BASALT, CHOCOLATE BROWN, WEATHERED, FRACTURE	
CMPWU02	15.50	16.00	0.50	0.14	BASALT, CHOCOLATE BROWN, WEATHERED, FRACTURE	
CMPWU02	16.00	17.40	1.40	0.60	BASALT, CHOCOLATE BROWN, WEATHERED, FRACTURE	
CMPWU02	17.40	19.00	1.60	1.59	BASALT, GREY, FRACTURE	
CMPWU02	19.00	20.20	1.20	1.10	BASALT, GREY, FRACTURE	
CMPWU02	20.20	22.00	1.80	1.76	BASALT, GREY, FRACTURE	
CMPWU02	22.00	25.00	3.00	2.94	BASALT, GREY, FRACTURE	
CMPWU02	25.00	28.00	3.00	3.00	BASALT, GREY, FRACTURE	
CMPWU02	28.00	31.00	3.00	3.00	BASALT, GREY, FRACTURE	
CMPWU02	31.00	34.00	3.00	3.00	BASALT, GREY, FRACTURE	
CMPWU02	34.00	37.00	3.00	2.76	BASALT, GREY, FRACTURE	
CMPWU02	37.00	40.00	3.00	2.90	BASALT, GREY, FRACTURE	
CMPWU02	40.00	43.00	3.00	2.91	BASALT, GREY, FRACTURE	
CMPWU02	43.00	46.00	3.00	2.92	BASALT, GREY, FRACTURE	
CMPWU02	46.00	49.00	3.00	2.73	BASALT, GREY, FRACTURE	
CMPWU02	49.00	52.00	3.00	2.93	BASALT, GREY, FRACTURE	
CMPWU02	52.00	55.00	3.00	3.00	BASALT, GREY, FRACTURE	
CMPWU02	55.00	58.00	3.00	3.00	BASALT, GREY, FRACTURE	
CMPWU02	58.00	59.44	1.44	1.44	BASALT, GREY, FRACTURE	
CMPWU02	59.44	60.83	1.39	1.37	BASALT, GREY, FRACTURE	
CMPWU02	60.83	61.00	0.17	0.17	BASALT, GREY, FRACTURE	
CMPWU02	61.00	64.00	3.00	2.98	BASALT, GREY, FRACTURE	
CMPWU02	64.00	67.00	3.00	3.00	BASALT, GREY, FRACTURE	
CMPWU02	67.00	70.00	3.00	3.00	BASALT, GREY, FRACTURE	
CMPWU02	70.00	73.00	3.00	2.99	BASALT, GREY, FRACTURE	
CMPWU02	73.00	76.00	3.00	2.97	BASALT, GREY, FRACTURE	
CMPWU02	76.00	79.00	3.00	3.00	BASALT, GREY, FRACTURE	
CMPWU02	79.00	82.00	3.00	3.00	BASALT, GREY, FRACTURE	
CMPWU02	82.00	85.00	3.00	2.92	BASALT, GREY, FRACTURE	
CMPWU02	85.00	88.00	3.00	2.92	BASALT, GREY, FRACTURE	
CMPWU02	88.00	91.00	3.00	3.00	BASALT, GREY, FRACTURE	
CMPWU02	91.00	94.00	3.00	2.96	BASALT, GREY	
CMPWU02	94.00	97.00	3.00	3.00	BASALT, GREY, FRACTURE	
CMPWU02	97.00	99.58	2.58	2.58	BASALT, GREY, FRACTURE	
CMPWU02	99.58	100.00	0.42	0.42	BASALT, GREY	
CMPWU02	100.00	100.10	0.10	0.09	BASALT, GREY	
CMPWU02	100.10	103.00	2.90	2.43	BASALT, GREY	
CMPWU02	103.00	105.78	2.78	2.42	BASALT, GREY, FRACTURE	
CMPWU02	105.78	106.00	0.22	0.22	BASALT, GREY, FRACTURE	
CMPWU02	106.00	109.00	3.00	3.00	BASALT, GREY	
CMPWU02	109.00	112.00	3.00	3.00	BASALT, GREY, FRACTURE	
CMPWU02	112.00	115.00	3.00	2.77	BASALT, GREY, FRACTURE	
CMPWU02	115.00	118.00	3.00	2.99	BASALT, GREY, FRACTURE	
CMPWU02	118.00	121.00	3.00	2.55	BASALT, GREY, FRACTURE	
CMPWU02	121.00	122.63	1.63	1.63	BASALT, GREY	
CMPWU02	122.63	124.00	1.37	1.33	CLAY, BROWN	
CMPWU02	124.00	127.00	3.00	2.96	CLAY, BROWN	
CMPWU02	127.00	127.75	0.75	0.75	CLAY, BROWN	
CMPWU02	127.75	128.39	0.64	0.64	INT. SANDSTONE = SHALE, GREENISH GREY	
CMPWU02	128.39	130.00	1.61	1.43	CLAYSTONE, VARIEGATED	

**DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.**

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU02	130.00	130.25	0.25	0.25	INT. CLAY AND SANDSTONE, VARIEGATED	
CMPWU02	130.25	130.96	0.71	0.71	SHALE, BROWN, CLAYEY, ALL OVER	
CMPWU02	130.96	132.80	1.84	1.70	CLAY, BROWN	
CMPWU02	132.80	133.00	0.20	0.18	CLAY, BROWN	
CMPWU02	133.00	136.00	3.00	2.90	SANDSTONE(MEDIUM GRAINED), BROWNISH RED	
CMPWU02	136.00	137.39	1.39	1.39	SILTSTONE, BROWN	
CMPWU02	137.39	138.49	1.10	1.08	CLAY, BROWN	
CMPWU02	138.49	138.85	0.36	0.36	INT. SANDSTONE = SHALE, GREENISH GREY	
CMPWU02	138.85	139.00	0.15	0.13	CLAYSTONE, BROWN	
CMPWU02	139.00	142.00	3.00	2.78	CLAYSTONE, BROWN	
CMPWU02	142.00	144.08	2.08	2.04	CLAYSTONE, CHOCOLATE BROWN, SANDY, AT PLACES	
CMPWU02	144.08	145.00	0.92	0.74	SANDSTONE(FINE GRAINED), DIRTY GREY	
CMPWU02	145.00	146.93	1.93	1.93	SANDSTONE(MED. TO C. GRAINED), DIRTY GREYEBBLY, OVER BASE	
CMPWU02	146.93	148.00	1.07	1.06	CLAYSTONE, BROWN	
CMPWU02	148.00	148.90	0.90	0.65	INT. SHALE > SANDSTONE, DARK GREY	
CMPWU02	148.90	151.00	2.10	1.58	SANDSTONE(FINE TO COARSE GRAINED), DIRTY GREY	
CMPWU02	151.00	152.74	1.74	1.74	CLAY, BROWN	
CMPWU02	152.74	153.64	0.90	0.90	SANDSTONE(FINE TO MEDIUM GRAINED), GREY	
CMPWU02	153.64	154.00	0.36	0.36	ALTERNATING SST AND SHALE, GREY	
CMPWU02	154.00	154.50	0.50	0.50	SANDSTONE(FINE GRAINED), BROWNISH GREY	
CMPWU02	154.50	154.60	0.10	0.05	CLAYSTONE, BROWN	
CMPWU02	154.60	157.00	2.40	2.40	SANDSTONE(FINE GRAINED), BROWNISH GREY	
CMPWU02	157.00	160.00	3.00	2.83	SANDSTONE(FINE GRAINED), GREYEBBLY, OVER BASE	
CMPWU02	160.00	161.95	1.95	1.93	SANDSTONE(FINE GRAINED), DARK GREY	
CMPWU02	161.95	162.50	0.55	0.32	CLAYSTONE, BROWN	
CMPWU02	162.50	163.00	0.50	0.48	INT. CLAY AND SANDSTONE, BROWNISH GREY	
CMPWU02	163.00	164.78	1.78	1.64	SANDSTONE(FINE TO MEDIUM GRAINED), BROWNISH GREYEBBLY, OVER BASE	
CMPWU02	164.78	166.00	1.22	1.12	SANDSTONE(FINE TO COARSE GRAINED), GREY	
CMPWU02	166.00	166.16	0.16	0.16	INT. CLAY AND SANDSTONE, GREY	
CMPWU02	166.16	169.00	2.84	2.84	CLAYSTONE, BROWN	
CMPWU02	169.00	172.00	3.00	2.95	CLAYSTONE, DARK BROWN	
CMPWU02	172.00	174.57	2.57	2.57	CLAYSTONE, DARK BROWN	
CMPWU02	174.57	174.84	0.27	0.27	SANDSTONE(FINE GRAINED), GREY	
CMPWU02	174.84	175.00	0.16	0.16	SANDSTONE(FINE GRAINED), GREY	
CMPWU02	175.00	178.00	3.00	2.81	SANDSTONE(FINE TO COARSE GRAINED), GREY	
CMPWU02	178.00	178.49	0.49	0.45	SANDSTONE(FINE TO COARSE GRAINED), GREY	
CMPWU02	178.49	179.24	0.75	0.75	INT. CLAY AND SANDSTONE, BROWN	
CMPWU02	179.24	181.00	1.76	1.76	SANDSTONE(FINE TO MEDIUM GRAINED), GREY	
CMPWU02	181.00	184.00	3.00	2.98	SANDSTONE(COARSE TO V.C.GRAINED), GREENISH GREY	
CMPWU02	184.00	185.41	1.41	1.35	SANDSTONE(COARSE TO V.C.GRAINED), GREENISH GREY	
CMPWU02	185.41	186.70	1.29	1.22	SHALE, DARK GREY, FRACTURE, SLICKENSIDED	
CMPWU02	186.70	187.00	0.30	0.26	SANDSTONE(FINE GRAINED), GREY	
CMPWU02	187.00	188.44	1.44	1.42	SANDSTONE(FINE GRAINED), GREY	
CMPWU02	188.44	190.00	1.56	1.54	SHALE, GREY, FRACTURE	
CMPWU02	190.00	190.84	0.84	0.82	SANDSTONE(FINE TO MEDIUM GRAINED), GREY	
CMPWU02	190.84	192.41	1.57	1.54	SANDSTONE(MED. TO C. GRAINED), GREY	
CMPWU02	192.41	193.00	0.59	0.57	SANDSTONE(MED. TO C. GRAINED), GREYEBBLY, AT PLACES	
CMPWU02	193.00	193.49	0.49	0.49	SANDSTONE(COARSE TO V.C.GRAINED), GREY	
CMPWU02	193.49	193.76	0.27	0.27	SHALE, GREY, FRACTURE	
CMPWU02	193.76	194.30	0.54	0.54	CLAY, BROWN, FRIABLE	
CMPWU02	194.30	196.00	1.70	1.70	SHALE, VARIEGATED, CLAYEY, ALL OVER	

**DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.**

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU02	196.00	196.08	0.08	0.08	SHALE, VARIEGATED, CLAYEY, ALL OVER	
CMPWU02	196.08	196.74	0.66	0.66	SANDY SHALE, GREY, FRACTURE	
CMPWU02	196.74	196.83	0.09	0.09	SHALY SANDSTONE, GREY	
CMPWU02	196.83	197.34	0.51	0.51	SANDY SHALE, GREY	
CMPWU02	197.34	199.00	1.66	1.57	SANDSTONE(MED. TO C. GRAINED), GREY, FRACTURE	
CMPWU02	199.00	199.60	0.60	0.59	SANDSTONE(MED. TO C. GRAINED), GREENISH GREY	
CMPWU02	199.60	200.25	0.65	0.63	CLAYSTONE, BROWN, SHALY, AT PLACES, FRACTURE	
CMPWU02	200.25	202.00	1.75	1.73	SHALE, VARIEGATED, CLAYEY, AT PLACES, FRACTURE HIGH ANGLE	
CMPWU02	202.00	204.27	2.27	2.27	CLAYSTONE, BROWN, SHALY, ALL OVER, FRACTURE	
CMPWU02	204.27	205.00	0.73	0.73	INT. CLAY AND SANDSTONE, BROWN	
CMPWU02	205.00	208.00	3.00	0.16	INT. CLAY AND SANDSTONE	
CMPWU02	208.00	211.00	3.00	0.20	SANDSTONE(COARSE TO V.C.GRAINED)	
CMPWU02	211.00	213.30	2.30	2.21	SANDSTONE(COARSE TO V.C.GRAINED), GREYEBBLY, OVER BASE	
CMPWU02	213.30	213.70	0.40	0.39	SANDSTONE(FINE TO MEDIUM GRAINED), GREY	
CMPWU02	213.70	213.85	0.15	0.14	SANDY SHALE, GREENISH GREY	
CMPWU02	213.85	214.00	0.15	0.12	SANDSTONE(MEDIUM GRAINED), GREY	
CMPWU02	214.00	214.10	0.10	0.10	SANDSTONE(MEDIUM GRAINED), GREY	
CMPWU02	214.10	215.19	1.09	1.09	CLAYSTONE, BROWN, FACTURE, SLICKENSIDED	
CMPWU02	215.19	215.26	0.07	0.07	SHALE, GREY, SLICKENSIDED	
CMPWU02	215.26	217.00	1.74	1.74	CLAYSTONE, BROWN	
CMPWU02	217.00	220.00	3.00	0.10	CLAYSTONE	
CMPWU02	220.00	221.50	1.50	0.15	SANDSTONE(MED. TO C. GRAINED)	
CMPWU02	221.50	223.00	1.50	1.12	SANDSTONE(MED. TO C. GRAINED), GREY, ALL OVER, FRACTURE	
CMPWU02	223.00	223.70	0.70	0.70	SANDSTONE(MED. TO C. GRAINED), GREY	
CMPWU02	223.70	224.40	0.70	0.67	SANDSTONE(COARSE TO V.C.GRAINED), GREENISH GREYEBBLY, ALL OVER	
CMPWU02	224.40	224.70	0.30	0.27	INT. SANDSTONE = SHALE, GREY	
CMPWU02	224.70	226.00	1.30	1.16	SANDSTONE(FINE TO MEDIUM GRAINED), GREY, FRACTURE	
CMPWU02	226.00	227.40	1.40	1.07	SANDSTONE(FINE TO MEDIUM GRAINED), GREY	
CMPWU02	227.40	229.00	1.60	0.94	SHALE, VARIEGATED, CLAYEY	
CMPWU02	229.00	230.70	1.70	1.70	CLAYSTONE, BROWN, FRACTURE HIGH ANGLE, SLICKENSIDED	
CMPWU02	230.70	232.00	1.30	1.30	SHALE, VARIEGATED, CLAYEY, AT PLACES	
CMPWU02	232.00	232.26	0.26	0.24	SANDY SHALE, GREY, FRACTURE	
CMPWU02	232.26	232.68	0.42	0.42	SHALY SANDSTONE, GREY	
CMPWU02	232.68	233.43	0.75	0.71	SANDSTONE(FINE TO MEDIUM GRAINED), GREY	
CMPWU02	233.43	234.15	0.72	0.69	SANDY SHALE, GREY, FRACTURE HIGH ANGLE	
CMPWU02	234.15	235.00	0.85	0.84	SANDY SHALE, GREY	
CMPWU02	235.00	236.20	1.20	1.11	ALTERNATING SST AND SHALE, GREY	
CMPWU02	236.20	236.90	0.70	0.66	SANDY SHALE, GREY	
CMPWU02	236.90	237.35	0.45	0.36	SANDSTONE(MEDIUM GRAINED), GREY	
CMPWU02	237.35	238.00	0.65	0.61	CLAYSTONE, BROWN	
CMPWU02	238.00	238.77	0.77	0.77	SHALE, GREY, CLAYEY, OVER TOP, FRACTURE HIGH ANGLE	
CMPWU02	238.77	239.19	0.42	0.42	ALTERNATING SST AND SHALE, GREY	
CMPWU02	239.19	239.82	0.63	0.63	SANDSTONE(V.FINE GRAINED), GREY	
CMPWU02	239.82	240.30	0.48	0.48	SANDY SHALE, GREY	
CMPWU02	240.30	241.00	0.70	0.70	CLAYSTONE, BROWN, FRACTURE HIGH ANGLE	
CMPWU02	241.00	241.88	0.88	0.86	CLAYSTONE, BROWN	
CMPWU02	241.88	241.98	0.10	0.09	SANDSTONE(COARSE GRAINED), GREENISH GREY	
CMPWU02	241.98	242.36	0.38	0.38	SANDY SHALE, GREY	
CMPWU02	242.36	242.52	0.16	0.14	SHALY SANDSTONE, GREY	

**DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.**

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU02	242.52	242.85	0.33	0.30	SANDY SHALE, GREY	
CMPWU02	242.85	244.00	1.15	1.12	SANDSTONE(MED. TO C. GRAINED), GREENISH GREY	
CMPWU02	244.00	247.00	3.00	3.00	SANDSTONE(MED. TO C. GRAINED), GREY	
CMPWU02	247.00	248.37	1.37	1.37	SANDSTONE(MED. TO C. GRAINED), GREY	
CMPWU02	248.37	249.89	1.52	1.52	SANDSTONE(COARSE TO V.C.GRAINED), GREY	
CMPWU02	249.89	250.00	0.11	0.11	CLAY, BROWN, SHALY, AT PLACES	
CMPWU02	250.00	251.19	1.19	1.13	CLAYSTONE, BROWN, SHALY, AT PLACES, FRACTURE	
CMPWU02	251.19	253.00	1.81	1.76	SANDSTONE(MED. TO C. GRAINED), GREY, FRACTURE	
CMPWU02	253.00	253.88	0.88	0.85	SANDSTONE(MED. TO C. GRAINED), GREY	
CMPWU02	253.88	255.78	1.90	1.84	CLAYSTONE, BROWN, FRACTURE	
CMPWU02	255.78	256.00	0.22	0.18	SANDSTONE(MEDIUM GRAINED), GREY	
CMPWU02	256.00	259.00	3.00	2.76	SANDSTONE(FINE TO MEDIUM GRAINED), GREENISH GREY	
CMPWU02	259.00	262.00	3.00	2.86	SANDSTONE(MED. TO V.C. GRAINED), GREYEBBLY, OVER BASE	
CMPWU02	262.00	262.20	0.20	0.20	SANDSTONE(MED. TO V.C. GRAINED), GREY	
CMPWU02	262.20	262.55	0.35	0.35	SANDY SHALE, GREY	
CMPWU02	262.55	262.80	0.25	0.25	SHALE, BROWNISH GREY, CLAYEY	
CMPWU02	262.80	264.02	1.22	1.22	SHALE, DARK GREY, FRACTURE	
CMPWU02	264.02	264.77	0.75	0.75	SANDY SHALE, GREY	
CMPWU02	264.77	265.00	0.23	0.22	SANDSTONE(FINE GRAINED), GREY	
CMPWU02	265.00	265.48	0.48	0.48	ALTERNATING SST AND SHALE, GREY	
CMPWU02	265.48	265.85	0.37	0.37	SHALE, BROWNISH GREY	
CMPWU02	265.85	266.90	1.05	1.04	SHALE, DARK GREY, FRACTURE	
CMPWU02	266.90	267.45	0.55	0.55	SANDY SHALE, GREY	
CMPWU02	267.45	268.00	0.55	0.55	SHALY SANDSTONE, GREY	
CMPWU02	268.00	268.25	0.25	0.25	SANDSTONE(FINE GRAINED), GREYISH WHITE	
CMPWU02	268.25	271.00	2.75	2.72	SHALE, DARK GREY, ALL OVER	
CMPWU02	271.00	271.49	0.49	0.45	SHALE, GREY	
CMPWU02	271.49	271.86	0.37	0.33	CLAY, BROWN	
CMPWU02	271.86	273.77	1.91	1.91	SANDY SHALE, GREY, OVER BASE	
CMPWU02	273.77	274.00	0.23	0.23	CLAYSTONE, BROWN	
CMPWU02	274.00	274.75	0.75	0.75	CLAYSTONE, BROWN	
CMPWU02	274.75	275.88	1.13	1.13	SHALE, GREY, CLAYEY, ALL OVER	
CMPWU02	275.88	276.50	0.62	0.62	SANDY SHALE, GREY	
CMPWU02	276.50	277.00	0.50	0.50	SHALE, GREY, CLAYEY, ALL OVER	
CMPWU02	277.00	277.77	0.77	0.77	CLAY, BROWNISH GREY, SHALY, ALL OVER	
CMPWU02	277.77	278.55	0.78	0.78	SHALE, BROWNISH GREY, CLAYEY, ALL OVER	
CMPWU02	278.55	280.00	1.45	1.45	CLAYSTONE, CHOCOLATE BROWN, ALL OVER, FRIABLE	
CMPWU02	280.00	283.00	3.00	3.00	CLAYSTONE, CHOCOLATE BROWN, OVER TOP	
CMPWU02	283.00	283.67	0.67	0.67	CLAYSTONE, CHOCOLATE BROWN, OVER TOP	
CMPWU02	283.67	283.97	0.30	0.30	SHALE, BROWNISH GREY, CLAYEY, ALL OVER	
CMPWU02	283.97	284.24	0.27	0.27	SANDY SHALE, GREY	
CMPWU02	284.24	284.84	0.60	0.60	SANDSTONE(V.FINE GRAINED), GREY	
CMPWU02	284.84	285.31	0.47	0.47	SHALE, BROWNISH GREY, CLAYEY, ALL OVER	
CMPWU02	285.31	286.00	0.69	0.69	SANDSTONE(FINE TO MEDIUM GRAINED), GREY	
CMPWU02	286.00	286.66	0.66	0.66	SANDSTONE(MED. TO C. GRAINED), GREY	
CMPWU02	286.66	286.86	0.20	0.15	SANDY SHALE, GREY	
CMPWU02	286.86	288.16	1.30	1.30	SHALE, VARIEGATED, CLAYEY, ALL OVER	
CMPWU02	288.16	288.58	0.42	0.42	SANDY SHALE, GREY	
CMPWU02	288.58	289.00	0.42	0.40	CLAYSTONE, BROWN, SHALY, ALL OVER	
CMPWU02	289.00	290.12	1.12	1.12	CLAYSTONE, BROWN, FRACTURE, FRIABLE	
CMPWU02	290.12	290.26	0.14	0.14	SHALE, GREY, CLAYEY, ALL OVER	
CMPWU02	290.26	292.00	1.74	1.74	SANDY SHALE, GREY	

**DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.**

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU02	292.00	292.36	0.36	0.36	SANDY SHALE, GREY	
CMPWU02	292.36	293.28	0.92	0.92	SHALY SANDSTONE, GREY	
CMPWU02	293.28	295.00	1.72	1.72	SANDSTONE(V.F. TO FINE GRAINED), GREY	
CMPWU02	295.00	295.80	0.80	0.78	SANDSTONE(V.F. TO FINE GRAINED), GREY	
CMPWU02	295.80	296.95	1.15	1.15	SANDSTONE(MED. TO C. GRAINED), GREY	
CMPWU02	296.95	297.70	0.75	0.75	SHALE, GREENISH GREY, CLAYEY, ALL OVER	
CMPWU02	297.70	298.00	0.30	0.25	SHALE, DARK GREY, ALL OVER, FRACTURE	
CMPWU02	298.00	298.72	0.72	0.69	SHALE, DARK GREY, OVER TOP, FRACTURE	
CMPWU02	298.72	299.32	0.60	0.56	SANDY SHALE, GREY	
CMPWU02	299.32	301.00	1.68	1.62	SHALE, VARIEGATED, SHALY, ALL OVER	
CMPWU02	301.00	301.31	0.31	0.31	ALTERNATING SST AND SHALE, GREY	
CMPWU02	301.31	302.61	1.30	1.30	SANDSTONE(MED. TO C. GRAINED), GREY	
CMPWU02	302.61	302.74	0.13	0.13	SANDSTONE(COARSE TO V.C.GRAINED), GREY	
CMPWU02	302.74	303.75	1.01	1.01	SANDY SHALE, GREY	
CMPWU02	303.75	304.00	0.25	0.20	CLAY, BROWN	
CMPWU02	304.00	304.45	0.45	0.37	SHALE, VARIEGATED	
CMPWU02	304.45	304.66	0.21	0.21	CLAY, BROWN, SHALY, ALL OVER	
CMPWU02	304.66	305.65	0.99	0.94	INT. SANDSTONE> SHALE, GREY, CLAYEY, AT PLACES, FRACTURE	
CMPWU02	305.65	307.00	1.35	1.25	SANDSTONE(MED. TO C. GRAINED), GREENISH GREY	
CMPWU02	307.00	307.44	0.44	0.44	SANDSTONE(MED. TO C. GRAINED), GREENISH GREY	
CMPWU02	307.44	308.54	1.10	1.07	CLAYSTONE, BROWN, FRACTURE	
CMPWU02	308.54	309.25	0.71	0.71	SHALE, DARK GREY, FRACTURE	
CMPWU02	309.25	310.00	0.75	0.64	CLAYSTONE, BROWN, OVER TOP, FRACTURE	
CMPWU02	310.00	310.74	0.74	0.73	CLAYSTONE, CHOCOLATE BROWN, OVER TOP, FRACTURE	
CMPWU02	310.74	312.35	1.61	1.61	INT. CLAY AND SANDSTONE, BROWN	
CMPWU02	312.35	312.58	0.23	0.23	SANDSTONE(FINE GRAINED), BROWNISH GREY, CLAYEY, ALL OVER	
CMPWU02	312.58	313.00	0.42	0.42	INT. CLAY AND SANDSTONE, BROWN	
CMPWU02	313.00	314.02	1.02	1.02	INT. CLAY AND SANDSTONE, BROWN	
CMPWU02	314.02	316.00	1.98	1.98	SANDSTONE(FINE TO MEDIUM GRAINED), GREY	
CMPWU02	316.00	316.47	0.47	0.47	SANDSTONE(MEDIUM GRAINED), GREY	
CMPWU02	316.47	318.73	2.26	2.24	SHALE	
CMPWU02	318.73	319.00	0.27	0.21	CLAYSTONE, BROWN	
CMPWU02	319.00	321.88	2.88	2.88	SHALE, VARIEGATED	
CMPWU02	321.88	322.00	0.12	0.12	CLAYSTONE, CHOCOLATE BROWN	
CMPWU02	322.00	323.23	1.23	1.23	CLAYSTONE, CHOCOLATE BROWN, SANDY, OVER BASE	
CMPWU02	323.23	323.61	0.38	0.38	SANDSTONE(FINE GRAINED), GREY	
CMPWU02	323.61	325.00	1.39	1.39	INT. CLAY AND SANDSTONE, BROWN	
CMPWU02	325.00	326.00	1.00	0.95	INT. CLAY AND SANDSTONE, BROWN	
CMPWU02	326.00	326.85	0.85	0.80	SANDY SHALE, VARIEGATED, CLAYEY, AT PLACES	
CMPWU02	326.85	328.00	1.15	1.10	CLAYSTONE, BROWN, OVER BASE, FRACTURE	
CMPWU02	328.00	328.85	0.85	0.84	CLAYSTONE, CHOCOLATE BROWN	
CMPWU02	328.85	330.54	1.69	1.69	SANDY SHALE, GREY, CLAYEY, AT PLACES	
CMPWU02	330.54	330.67	0.13	0.13	SHALY SANDSTONE, GREY	
CMPWU02	330.67	331.00	0.33	0.33	CLAYSTONE, BROWN	
CMPWU02	331.00	332.94	1.94	1.94	CLAYSTONE, BROWN, SANDY, AT PLACES	
CMPWU02	332.94	333.24	0.30	0.30	SANDY SHALE, GREY, CLAYEY, OVER TOP	
CMPWU02	333.24	334.00	0.76	0.71	SANDY SHALE, GREY, OVER TOP, FRACTURE	
CMPWU02	334.00	335.03	1.03	1.01	SANDY SHALE, GREY, OVER BASE, FRACTURE	
CMPWU02	335.03	335.91	0.88	0.88	CLAYSTONE, BROWN, SANDY, OVER BASE	
CMPWU02	335.91	336.55	0.64	0.62	SANDY SHALE, GREY, CLAYEY, OVER TOP	
CMPWU02	336.55	337.00	0.45	0.40	CLAYSTONE, BROWN, FRACTURE	

**DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.**

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU02	337.00	337.22	0.22	0.22	CLAY, BROWN, OVER TOP	
CMPWU02	337.22	337.72	0.50	0.50	SHALE, DARK GREY	
CMPWU02	337.72	340.00	2.28	2.28	CLAYSTONE, BROWN, SANDY, OVER BASE, FRIABLE	
CMPWU02	340.00	340.57	0.57	0.57	CLAYSTONE, BROWN, SANDY, ALL OVER	
CMPWU02	340.57	340.96	0.39	0.39	SHALY SANDSTONE, GREENISH GREY	
CMPWU02	340.96	342.65	1.69	1.69	SANDSTONE(MED. TO C. GRAINED), GREY	
CMPWU02	342.65	343.00	0.35	0.33	CLAYSTONE, BROWN, FRACTURE	
CMPWU02	343.00	343.53	0.53	0.52	CLAYSTONE, BROWN, FRACTURE	
CMPWU02	343.53	344.42	0.89	0.89	SANDY SHALE, GREY	
CMPWU02	344.42	344.72	0.30	0.30	CLAY, BROWN, FRACTURE	
CMPWU02	344.72	345.39	0.67	0.67	SANDY SHALE, BROWN, CLAYEY, ALL OVER	
CMPWU02	345.39	346.00	0.61	0.61	CLAYSTONE, BROWN	
CMPWU02	346.00	347.72	1.72	1.72	CLAYSTONE, BROWN, SANDY, OVER BASE, FRACTURE	
CMPWU02	347.72	348.19	0.47	0.47	SANDSTONE(MEDIUM GRAINED), GREY, CLAYEY, AT PLACES	
CMPWU02	348.19	349.00	0.81	0.81	CLAYSTONE, BROWN	
CMPWU02	349.00	352.00	3.00	2.94	CLAYSTONE, BROWN, ALL OVER, FRACTURE	
CMPWU02	352.00	352.90	0.90	0.88	CLAYSTONE, BROWN, OVER TOP, FRACTURE	
CMPWU02	352.90	353.32	0.42	0.42	SANDSTONE(MEDIUM GRAINED), BROWN	
CMPWU02	353.32	355.00	1.68	1.68	CLAYSTONE, BROWN, SANDY, OVER BASE, FRACTURE	
CMPWU02	355.00	355.50	0.50	0.50	INT. CLAY AND SANDSTONE, GREY	
CMPWU02	355.50	358.00	2.50	2.40	CLAYSTONE, BROWN, SANDY, FACTURE, SLICKENSIDED	
CMPWU02	358.00	361.00	3.00	3.00	CLAYSTONE, BROWN, SANDY, OVER BASE, FACTURE, SLICKENSIDED	
CMPWU02	361.00	361.47	0.47	0.47	CLAYSTONE, BROWN	
CMPWU02	361.47	362.97	1.50	1.50	CLAYSTONE, BROWN, FACTURE, SLICKENSIDED, FRIABLE	
CMPWU02	362.97	364.00	1.03	1.03	CLAYSTONE, BROWN	
CMPWU02	364.00	367.00	3.00	3.00	CLAYSTONE, BROWN, FRACTURE HIGH ANGLE, FRIABLE	
CMPWU02	367.00	370.00	3.00	3.00	CLAYSTONE, BROWN, SANDY, ALL OVER, FRACTURE	
CMPWU02	370.00	370.51	0.51	0.51	CLAYSTONE, BROWN, FACTURE, SLICKENSIDED	
CMPWU02	370.51	372.08	1.57	1.57	SANDSTONE(FINE TO MEDIUM GRAINED), GREY, CLAYEY, ALL OVER	
CMPWU02	372.08	373.00	0.92	0.92	INT. CLAY AND SANDSTONE, BROWN, FRACTURE	
CMPWU02	373.00	374.90	1.90	1.87	SANDSTONE(COARSE TO V.C.GRAINED), GREY	
CMPWU02	374.90	376.00	1.10	0.98	CLAYSTONE, BROWN, FRACTURE	
CMPWU02	376.00	379.00	3.00	3.00	CLAYSTONE, BROWN, FRIABLE	
CMPWU02	379.00	380.63	1.63	1.63	CLAYSTONE, BROWN, ALL OVER, FRACTURE, FRIABLE	
CMPWU02	380.63	381.70	1.07	1.07	SANDSTONE(FINE TO MEDIUM GRAINED), GREY, OVER BASE, FRACTURE	
CMPWU02	381.70	382.00	0.30	0.30	CLAYSTONE, BROWN, FRACTURE	
CMPWU02	382.00	382.52	0.52	0.52	CLAY, VARIEGATED, SHALY, ALL OVER	
CMPWU02	382.52	383.33	0.81	0.81	CLAYSTONE, BROWN, SANDY, AT PLACES	
CMPWU02	383.33	383.68	0.35	0.35	SANDY SHALE, GREY, CLAYEY, OVER BASE	
CMPWU02	383.68	385.00	1.32	1.32	CLAYSTONE, VARIEGATED, SHALY, ALL OVER	
CMPWU02	385.00	388.00	3.00	2.98	SANDSTONE(FINE TO MEDIUM GRAINED), GREY, CLAYEY, ALL OVER, FRACTURE HIGH ANGLE	
CMPWU02	388.00	389.11	1.11	1.11	SANDSTONE(MED. TO C. GRAINED), GREY	
CMPWU02	389.11	390.37	1.26	1.26	CLAYSTONE, BROWN, AT PLACES, FRACTURE	
CMPWU02	390.37	391.00	0.63	0.63	SHALE, GREY, CLAYEY, OVER BASE	
CMPWU02	391.00	392.49	1.49	1.49	SHALE, GREY, CLAYEY, OVER TOP, FRACTURE	
CMPWU02	392.49	393.40	0.91	0.91	SANDY SHALE, GREY, CLAYEY, OVER BASE	
CMPWU02	393.40	394.00	0.60	0.60	CLAYSTONE, BROWN, FRACTURE	
CMPWU02	394.00	395.73	1.73	1.73	CLAYSTONE, BROWN, FRACTURE	
CMPWU02	395.73	397.00	1.27	1.27	CLAYSTONE, BROWN, SHALY, ALL OVER, FRACTURE HIGH ANGLE	

**DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.**

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU02	397.00	398.65	1.65	1.65	CLAYSTONE, BROWN, SLICKENSIDED	
CMPWU02	398.65	399.11	0.46	0.46	SANDY SHALE, GREY, CLAYEY, OVER TOP, SLICKENSIDED	
CMPWU02	399.11	399.59	0.48	0.48	SANDSTONE(FINE TO MEDIUM GRAINED), GREY, CLAYEY, AT PLACES	
CMPWU02	399.59	400.00	0.41	0.41	SANDY SHALE, VARIEGATED, CLAYEY, AT PLACES	
CMPWU02	400.00	400.72	0.72	0.72	SANDY SHALE, VARIEGATED	
CMPWU02	400.72	401.35	0.63	0.63	ALTERNATING SST AND SHALE, GREY	
CMPWU02	401.35	403.00	1.65	1.65	SANDSTONE(MED. TO C. GRAINED), GREY	
CMPWU02	403.00	403.50	0.50	0.50	SANDSTONE(COARSE GRAINED), GREY	
CMPWU02	403.50	404.60	1.10	1.10	SANDSTONE(COARSE TO V.C.GRAINED), GREY	
CMPWU02	404.60	406.00	1.40	1.40	CLAYSTONE, BROWN, FACTURE, SLICKENSIDED	
CMPWU02	406.00	407.46	1.46	1.46	SHALE, DARK GREY, CLAYEY, ALL OVER, FRACTURE, FRIABLE	
CMPWU02	407.46	408.15	0.69	0.69	SANDY SHALE, VARIEGATED, CLAYEY, ALL OVER	
CMPWU02	408.15	409.00	0.85	0.85	SANDY SHALE, BROWN	
CMPWU02	409.00	410.25	1.25	1.22	SANDY SHALE, BROWN	
CMPWU02	410.25	410.55	0.30	0.27	SANDSTONE(MED. TO C. GRAINED), VARIEGATED, CLAYEY, OVER BASE	
CMPWU02	410.55	411.45	0.90	0.87	CLAYSTONE, BROWN, SANDY, ALL OVER, FRACTURE	
CMPWU02	411.45	412.00	0.55	0.45	INT. CLAY AND SANDSTONE, BROWN	
CMPWU02	412.00	412.31	0.31	0.31	INT. CLAY AND SANDSTONE, BROWN	
CMPWU02	412.31	412.85	0.54	0.54	SANDSTONE(COARSE TO V.C.GRAINED), GREY, CLAYEY, OVER BASE	
CMPWU02	412.85	415.00	2.15	2.15	INT. CLAY AND SANDSTONE, GREY, OVER BASE, FRACTURE	
CMPWU02	415.00	415.30	0.30	0.30	INT. CLAY AND SANDSTONE, GREY, ALL OVER, FRACTURE	
CMPWU02	415.30	416.46	1.16	1.16	SANDSTONE(FINE TO MEDIUM GRAINED), GREY	
CMPWU02	416.46	417.81	1.35	1.35	CLAYSTONE, BROWN, FACTURE, SLICKENSIDED	
CMPWU02	417.81	418.00	0.19	0.19	SHALY SANDSTONE, GREY	
CMPWU02	418.00	418.09	0.09	0.09	SHALY SANDSTONE, GREY	
CMPWU02	418.09	421.00	2.91	2.91	CLAYSTONE, CHOCOLATE BROWN, SLICKENSIDED	
CMPWU02	421.00	424.00	3.00	3.00	CLAYSTONE, BROWN, SHALY, AT PLACES, FRACTURE	
CMPWU02	424.00	426.45	2.45	2.45	CLAYSTONE, BROWN, FRACTURE	
CMPWU02	426.45	426.70	0.25	0.25	SANDSTONE(MED. TO C. GRAINED), GREY, CLAYEY, ALL OVER	
CMPWU02	426.70	427.00	0.30	0.30	CLAYSTONE, BROWN	
CMPWU02	427.00	427.54	0.54	0.53	CLAYSTONE, BROWN	
CMPWU02	427.54	427.84	0.30	0.30	SHALY SANDSTONE, VARIEGATED, CLAYEY, ALL OVER	
CMPWU02	427.84	430.00	2.16	2.16	CLAYSTONE, BROWN, AT PLACES, FRACTURE	
CMPWU02	430.00	433.00	3.00	3.00	CLAYSTONE, BROWN, FRACTURE	
CMPWU02	433.00	436.00	3.00	3.00	CLAYSTONE, BROWN, SANDY, ALL OVER, FRACTURE	
CMPWU02	436.00	439.00	3.00	3.00	CLAYSTONE, BROWN, SANDY, AT PLACES, FRACTURE	
CMPWU02	439.00	439.25	0.25	0.20	CLAYSTONE, BROWN	
CMPWU02	439.25	440.39	1.14	1.14	SANDSTONE(V.F. TO FINE GRAINED), GREY, CLAYEY, OVER TOP	
CMPWU02	440.39	440.84	0.45	0.39	CLAYSTONE, BROWN	
CMPWU02	440.84	441.35	0.51	0.51	SANDSTONE(V.F. TO MEDIUM GRAINED), GREY, CLAYEY, OVER BASE	
CMPWU02	441.35	442.00	0.65	0.61	CLAYSTONE, BROWN, SANDY, OVER MIDDLE	
CMPWU02	442.00	443.30	1.30	1.30	CLAYSTONE, BROWN, SANDY, OVER BASE	
CMPWU02	443.30	445.00	1.70	1.70	SANDSTONE(FINE TO MEDIUM GRAINED), GREENISH GREY	
CMPWU02	445.00	446.69	1.69	1.69	SANDSTONE(FINE TO MEDIUM GRAINED), GREENISH GREY	
CMPWU02	446.69	447.68	0.99	0.99	SANDSTONE(MED. TO C. GRAINED), GREY	
CMPWU02	447.68	448.00	0.32	0.32	SANDSTONE(COARSE TO V.C.GRAINED), GREYEBLY, ALL OVER	



**DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.**

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU02	448.00	448.24	0.24	0.24	SANDSTONE(COARSE TO V.C.GRAINED), GREYEBBLY, ALL OVER	
CMPWU02	448.24	448.35	0.11	0.11	SHALY SANDSTONE, GREY, CLAYEY, OVER BASE	
CMPWU02	448.35	451.00	2.65	2.65	CLAYSTONE, BROWN, SHALY, OVER BASE, SLICKENSIDED	
CMPWU02	451.00	451.41	0.41	0.41	SHALY SANDSTONE, VARIEGATED, CLAYEY, OVER TOP, FRACTURE	
CMPWU02	451.41	452.05	0.64	0.64	CLAYSTONE, BROWN, ALL OVER, FACTURE, SLICKENSIDED	
CMPWU02	452.05	452.28	0.23	0.23	SHALY SANDSTONE, GREY	
CMPWU02	452.28	454.00	1.72	1.72	CLAYSTONE, BROWN, ALL OVER, FRACTURE, FRIABLE	
CMPWU02	454.00	454.85	0.85	0.82	CLAYSTONE, BROWN, ALL OVER	
CMPWU02	454.85	457.00	2.15	2.09	CLAYSTONE, BROWN	
CMPWU02	457.00	459.34	2.34	2.30	CLAYSTONE, BROWN, ALL OVER, FACTURE, SLICKENSIDED, FRIABLE	
CMPWU02	459.34	460.00	0.66	0.66	SHALY SANDSTONE, GREY	
CMPWU02	460.00	460.25	0.25	0.25	SANDY SHALE, GREY, CLAYEY, OVER BASE	
CMPWU02	460.25	460.66	0.41	0.41	CLAYSTONE, BROWN, OVER BASE, SLICKENSIDED	
CMPWU02	460.66	461.36	0.70	0.70	SANDSTONE(FINE TO MEDIUM GRAINED), GREY	
CMPWU02	461.36	461.57	0.21	0.21	CLAYSTONE, BROWN	
CMPWU02	461.57	462.03	0.46	0.46	SANDY SHALE, GREY	
CMPWU02	462.03	462.77	0.74	0.74	SHALY SANDSTONE, GREY	
CMPWU02	462.77	463.00	0.23	0.23	CLAYSTONE, CHOCOLATE BROWN, ALL OVER, FRACTURE	
CMPWU02	463.00	463.57	0.57	0.57	SHALY SANDSTONE, GREY	
CMPWU02	463.57	463.95	0.38	0.38	CLAYSTONE, CHOCOLATE BROWN, ALL OVER, FRACTURE	
CMPWU02	463.95	464.10	0.15	0.15	SANDY SHALE, GREY	
CMPWU02	464.10	466.00	1.90	1.87	CLAYSTONE, BROWN, FRACTURE, FRIABLE	
CMPWU02	466.00	469.00	3.00	2.98	CLAYSTONE, CHOCOLATE BROWN, FRIABLE	
CMPWU02	469.00	469.83	0.83	0.83	CLAYSTONE, CHOCOLATE BROWN, SHALY, OVER BASE	
CMPWU02	469.83	470.07	0.24	0.24	SANDY SHALE, GREY	
CMPWU02	470.07	472.00	1.93	1.93	CLAYSTONE, BROWN, SANDY, OVER BASE, FRIABLE	
CMPWU02	472.00	475.00	3.00	2.35	CLAYSTONE, BROWN, FRACTURE, FRIABLE	
CMPWU02	475.00	478.00	3.00	2.99	CLAY, BROWN, FRIABLE	
CMPWU02	478.00	481.00	3.00	2.99	CLAY, BROWN	
CMPWU02	481.00	484.00	3.00	3.00	CLAY, BROWN, SANDY, AT PLACES	
CMPWU02	484.00	487.00	3.00	2.99	CLAY, CHOCOLATE BROWN, OVER BASE, FRACTURE	
CMPWU02	487.00	488.22	1.22	1.22	CLAYSTONE, CHOCOLATE BROWN, SANDY, OVER BASE	
CMPWU02	488.22	488.80	0.58	0.58	SANDSTONE(FINE GRAINED), GREY	
CMPWU02	488.80	489.50	0.70	0.70	CLAYSTONE, BROWN	
CMPWU02	489.50	490.00	0.50	0.50	SHALY SANDSTONE, GREY, CLAYEY, OVER BASE	
CMPWU02	490.00	490.87	0.87	0.85	CLAYSTONE, CHOCOLATE BROWN	
CMPWU02	490.87	491.65	0.78	0.78	SANDSTONE(FINE TO MEDIUM GRAINED), GREENISH GREY	
CMPWU02	491.65	493.00	1.35	1.35	CLAYSTONE, CHOCOLATE BROWN	
CMPWU02	493.00	495.20	2.20	2.20	CLAYSTONE, BROWN	
CMPWU02	495.20	496.00	0.80	0.80	SHALY SANDSTONE, GREENISH GREY	
CMPWU02	496.00	496.48	0.48	0.48	SHALY SANDSTONE, GREENISH GREY	
CMPWU02	496.48	497.55	1.07	1.07	SANDSTONE(FINE TO MEDIUM GRAINED), GREY	
CMPWU02	497.55	497.89	0.34	0.34	CLAYSTONE, CHOCOLATE BROWN, SHALY, OVER BASE	
CMPWU02	497.89	498.34	0.45	0.45	SANDY SHALE, GREENISH GREY, CLAYEY, OVER BASE	
CMPWU02	498.34	499.00	0.66	0.66	CLAYSTONE, BROWN, SANDY, OVER MIDDLE, FRACTURE HIGH ANGLE	
CMPWU02	499.00	502.00	3.00	2.99	CLAYSTONE, CHOCOLATE BROWN, FRACTURE HIGH ANGLE, FRIABLE	
CMPWU02	502.00	504.03	2.03	2.03	CLAYSTONE, CHOCOLATE BROWN, ALL OVER, FRACTURE HIGH ANGLE, FRIABLE	
CMPWU02	504.03	505.00	0.97	0.97	SANDY SHALE, GREENISH GREY, CLAYEY, OVER BASE, FRACTURE HIGH ANGLE, SLICKENSIDED	

**DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.**

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU02	505.00	507.00	2.00	2.00	CLAYSTONE, CHOCOLATE BROWN, SANDY, OVER TOP, FRACTURE	
CMPWU02	507.00	507.39	0.39	0.39	SANDY SHALE, GREY, CLAYEY	
CMPWU02	507.39	508.00	0.61	0.61	CLAYSTONE, BROWN, FRACTURE	
CMPWU02	508.00	509.30	1.30	1.30	CLAYSTONE, BROWN, FRACTURE, SLICKENSIDED	
CMPWU02	509.30	511.00	1.70	1.70	SHALE, GREY, FRACTURE	
CMPWU02	511.00	511.96	0.96	0.96	SHALE, GREY, FRACTURE	
CMPWU02	511.96	513.06	1.10	1.10	CLAYSTONE, VARIEGATED, FRACTURE, FRIABLE	
CMPWU02	513.06	513.36	0.30	0.30	CLAYSTONE, VARIEGATED, SHALY, FRACTURE	
CMPWU02	513.36	514.00	0.64	0.64	CLAYSTONE, BROWN	
CMPWU02	514.00	514.82	0.82	0.82	CLAYSTONE, BROWN, FRACTURE, FRIABLE	
CMPWU02	514.82	517.00	2.18	2.18	SHALE, CLAYEY, ALL OVER, FRIABLE	
CMPWU02	517.00	520.00	3.00	2.99	SHALE, VARIEGATED, CLAYEY, ALL OVER, FRACTURE, FRIABLE	
CMPWU02	520.00	523.00	3.00	3.00	SHALE, GREY, CLAYEY, AT PLACES, FRACTURE, FRIABLE	
CMPWU02	523.00	524.30	1.30	1.30	SHALE, GREY, CLAYEY, OVER BASE	
CMPWU02	524.30	526.00	1.70	1.70	CLAYSTONE, VARIEGATED, SHALY, AT PLACES	
CMPWU02	526.00	529.00	3.00	3.00	CLAYSTONE, SANDY, AT PLACES	
CMPWU02	529.00	529.20	0.20	0.19	SHALE, BROWN, CLAYEY	
CMPWU02	529.20	529.50	0.30	0.29	SHALY SANDSTONE, GREENISH GREY	
CMPWU02	529.50	530.39	0.89	0.89	SANDSTONE(FINE GRAINED), GREY	
CMPWU02	530.39	532.00	1.61	1.61	CLAYSTONE, BROWN, AT PLACES, FRACTURE	
CMPWU02	532.00	535.00	3.00	2.99	CLAYSTONE, VARIEGATED, SHALY, AT PLACES, FRACTURE	
CMPWU02	535.00	538.00	3.00	3.00	INT. CLAY AND SANDSTONE, VARIEGATED, OVER BASE, FRACTURE	
CMPWU02	538.00	541.00	3.00	3.00	CLAYSTONE, BROWN, SANDY, AT PLACES, FRACTURE	
CMPWU02	541.00	544.00	3.00	2.99	CLAYSTONE, VARIEGATED, SHALY, ALL OVER	
CMPWU02	544.00	545.29	1.29	1.29	SANDSTONE(V.F. TO FINE GRAINED), GREY	
CMPWU02	545.29	547.00	1.71	1.71	SHALE, VARIEGATED, CLAYEY, AT PLACES	
CMPWU02	547.00	549.76	2.76	2.76	SHALE, VARIEGATED, CLAYEY, ALL OVER	
CMPWU02	549.76	550.00	0.24	0.24	ALTERNATING SST AND SHALE, GREY	
CMPWU02	550.00	551.40	1.40	0.28	INT. SANDSTONE = SHALE, GREY	
CMPWU02	551.40	553.00	1.60	0.47	SANDSTONE(MED. TO C. GRAINED), GREY	
CMPWU02	553.00	556.00	3.00	1.40	SANDY SHALE, VARIEGATED, CLAYEY, AT PLACES	
CMPWU02	556.00	556.40	0.40	0.34	SANDSTONE(FINE TO MEDIUM GRAINED), GREY	
CMPWU02	556.40	559.00	2.60	2.51	SANDY SHALE, GREY	
CMPWU02	559.00	559.15	0.15	0.15	SANDY SHALE, GREY, FRACTURE, SLICKENSIDED	
CMPWU02	559.15	559.69	0.54	0.54	ALTERNATING SST AND SHALE, GREY, FRACTURE	
CMPWU02	559.69	561.41	1.72	1.72	SANDY SHALE, GREY	
CMPWU02	561.41	561.77	0.36	0.36	SANDSTONE(COARSE TO V.C.GRAINED), GREY	
CMPWU02	561.77	562.00	0.23	0.23	SANDY SHALE, GREY	
CMPWU02	562.00	562.17	0.17	0.17	SANDY SHALE, GREY, SLICKENSIDED	
CMPWU02	562.17	563.86	1.69	1.69	SANDSTONE(COARSE TO V.C.GRAINED), GREY	
CMPWU02	563.86	563.98	0.12	0.12	SANDY SHALE, GREY	
CMPWU02	563.98	564.76	0.78	0.78	SANDSTONE(FINE TO MEDIUM GRAINED), GREY, COALY, STREAKS	
CMPWU02	564.76	565.00	0.24	0.24	SANDY SHALE, GREY	
CMPWU02	565.00	566.30	1.30	1.26	SANDSTONE(FINE GRAINED), GREY, COALY, STREAKS	
CMPWU02	566.30	566.53	0.23	0.21	SANDSTONE(COARSE TO V.C.GRAINED), GREY	
CMPWU02	566.53	568.00	1.47	1.47	SANDSTONE(FINE TO MEDIUM GRAINED), GREY	
CMPWU02	568.00	571.00	3.00	3.00	SANDSTONE(FINE TO MEDIUM GRAINED), GREY, COALY, STREAKS	
CMPWU02	571.00	571.43	0.43	0.43	SANDSTONE(FINE TO MEDIUM GRAINED), GREY, COALY, STREAKS	

DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU02	571.43	572.15	0.72	0.72	ALTERNATING SST AND SHALE, GREY, OVER MIDDLE, FRACTURE	
CMPWU02	572.15	574.00	1.85	1.85	SANDY SHALE, GREY, OVER BASE, FRACTURE	
CMPWU02	574.00	574.71	0.71	0.71	ALTERNATING SST AND SHALE, GREY	
CMPWU02	574.71	577.00	2.29	2.29	SANDSTONE(FINE TO MEDIUM GRAINED), GREY, COALY, STREAKS, FRACTURE	
CMPWU02	577.00	577.14	0.14	0.14	SANDSTONE(MED. TO C. GRAINED), GREY	
CMPWU02	577.14	577.64	0.50	0.48	SHALE, DARK GREY, FRACTURE	
<b>CMPWU02</b>	<b>577.64</b>	<b>578.15</b>	<b>0.51</b>	<b>0.51</b>	<b>COAL SEAM</b>	<b>IA</b>
CMPWU02	578.15	579.40	1.25	1.24	SHALE, GREY, SLICKENSIDED	
<b>CMPWU02</b>	<b>579.40</b>	<b>584.92</b>	<b>5.52</b>	<b>5.46</b>	<b>COAL SEAM</b>	<b>IB</b>
CMPWU02	584.92	586.00	1.08	1.08	ALTERNATING SST AND SHALE, GREY	
CMPWU02	586.00	587.08	1.08	1.08	SHALE, DARK GREY, FRACTURE	
<b>CMPWU02</b>	<b>587.08</b>	<b>589.68</b>	<b>2.60</b>	<b>2.60</b>	<b>COAL SEAM</b>	<b>IC</b>
CMPWU02	589.68	591.02	1.34	1.34	SANDY SHALE, GREY	
CMPWU02	591.02	592.00	0.98	0.98	SANDSTONE(FINE GRAINED), GREY	
CMPWU02	592.00	593.31	1.31	1.31	SANDSTONE(FINE GRAINED), GREY	
CMPWU02	593.31	595.00	1.69	1.69	ALTERNATING SST AND SHALE, GREY	
CMPWU02	595.00	595.42	0.42	0.42	ALTERNATING SST AND SHALE, GREY	
CMPWU02	595.42	596.20	0.78	0.78	SHALE, GREY	
<b>CMPWU02</b>	<b>596.20</b>	<b>598.07</b>	<b>1.87</b>	<b>1.87</b>	<b>COAL SEAM</b>	<b>IIA</b>
CMPWU02	598.07	598.33	0.26	0.26	ALTERNATING SST AND SHALE, GREY	
CMPWU02	598.33	598.48	0.15	0.15	SHALE, DARK GREY	
CMPWU02	598.48	598.56	0.08	0.08	CARB SHALE HIGH, BLACK	
CMPWU02	598.56	598.61	0.05	0.05	COAL, BLACK	
CMPWU02	598.61	600.10	1.49	1.49	ALTERNATING SST AND SHALE, GREY	
CMPWU02	600.10	601.00	0.90	0.90	SANDSTONE(FINE GRAINED), GREY, COALY	
CMPWU02	601.00	602.78	1.78	1.78	SANDSTONE(FINE GRAINED), GREY	
<b>CMPWU02</b>	<b>602.78</b>	<b>603.72</b>	<b>0.94</b>	<b>0.93</b>	<b>COAL SEAM</b>	<b>IIB</b>
CMPWU02	603.72	604.00	0.28	0.28	SANDSTONE(FINE GRAINED), GREY, COALY	
CMPWU02	604.00	605.50	1.50	1.45	SANDSTONE(FINE GRAINED), GREY, COALY	
CMPWU02	605.50	606.30	0.80	0.73	ALTERNATING SST AND SHALE, GREY	
<b>CMPWU02</b>	<b>606.30</b>	<b>608.25</b>	<b>1.95</b>	<b>1.91</b>	<b>COAL SEAM</b>	<b>III</b>
CMPWU02	608.25	609.14	0.89	0.89	SANDSTONE(FINE GRAINED), GREY	
CMPWU02	609.14	609.43	0.29	0.29	CARB SHALE HIGH, BLACK	
CMPWU02	609.43	610.00	0.57	0.57	SANDSTONE(FINE GRAINED), GREY, COALY	
CMPWU02	610.00	610.30	0.30	0.27	INT. SANDSTONE = SHALE, GREY	
CMPWU02	610.30	610.60	0.30	0.28	CARB SHALE HIGH, BLACK	
CMPWU02	610.60	612.40	1.80	1.80	SANDY SHALE, GREY, COALY	
CMPWU02	612.40	612.73	0.33	0.33	ALTERNATING SST AND SHALE, GREY	
CMPWU02	612.73	613.00	0.27	0.25	COAL, BLACK	
CMPWU02	613.00	613.08	0.08	0.08	COAL, BLACK	
CMPWU02	613.08	613.32	0.24	0.24	SANDY SHALE, GREY, FACTURE, SLICKENSIDED	
CMPWU02	613.32	614.48	1.16	1.16	ALTERNATING SST AND SHALE, GREY	
CMPWU02	614.48	614.64	0.16	0.16	SANDY SHALE, DARK GREY, COALY	
CMPWU02	614.64	614.71	0.07	0.07	COAL, BLACK	
CMPWU02	614.71	614.80	0.09	0.08	SANDY SHALE, GREY	
<b>CMPWU02</b>	<b>614.80</b>	<b>618.20</b>	<b>3.40</b>	<b>3.35</b>	<b>COAL SEAM</b>	<b>IV</b>
CMPWU02	618.20	618.76	0.56	0.56	SANDSTONE(FINE TO MEDIUM GRAINED), GREY	
CMPWU02	618.76	619.00	0.24	0.24	ALTERNATING SST AND SHALE, GREY	
CMPWU02	619.00	619.33	0.33	0.33	ALTERNATING SST AND SHALE, GREY	
CMPWU02	619.33	619.88	0.55	0.55	SANDSTONE(FINE TO MEDIUM GRAINED), GREY	
CMPWU02	619.88	620.43	0.55	0.55	ALTERNATING SST AND SHALE, GREY	

DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU02	620.43	620.89	0.46	0.45	SANDSTONE(FINE TO MEDIUM GRAINED), GREY	
CMPWU02	620.89	621.20	0.31	0.31	SANDY SHALE, GREY	
CMPWU02	621.20	621.30	0.10	0.10	CARB SHALE HIGH, BLACK	
CMPWU02	621.30	622.00	0.70	0.70	SANDY SHALE, GREY	
CMPWU02	622.00	623.10	1.10	1.07	ALTERNATING SST AND SHALE, GREY, SLICKENSIDED	
CMPWU02	623.10	623.75	0.65	0.59	SANDSTONE(MED. TO C. GRAINED), GREY, COALY	
<b>CMPWU02</b>	<b>623.75</b>	<b>624.25</b>	<b>0.50</b>	<b>0.42</b>	<b>COAL SEAM</b>	<b>VA</b>
CMPWU02	624.25	625.00	0.75	0.71	INT. SANDSTONE> SHALE, GREY, FRACTURE	
CMPWU02	625.00	625.28	0.28	0.28	SANDSTONE(FINE GRAINED), GREY, SHALY, FRACTURE, SLICKENSIDED	
CMPWU02	625.28	627.93	2.65	2.65	SANDSTONE(COARSE TO V.C.GRAINED), GREY	
CMPWU02	627.93	628.00	0.07	0.07	SANDSTONE(COARSE TO V.C.GRAINED), GREY	
CMPWU02	628.00	629.03	1.03	1.03	SANDSTONE(COARSE TO V.C.GRAINED), GREY	
CMPWU02	629.03	629.62	0.59	0.59	SANDY SHALE, GREY, COALY	
CMPWU02	629.62	629.73	0.11	0.11	CARB SHALE HIGH, BLACK	
CMPWU02	629.73	630.17	0.44	0.44	SANDY SHALE, GREY	
<b>CMPWU02</b>	<b>630.17</b>	<b>630.67</b>	<b>0.50</b>	<b>0.50</b>	<b>COAL SEAM</b>	<b>VB</b>
CMPWU02	630.67	631.00	0.33	0.33	ALTERNATING SST AND SHALE, BLACK, COALY, STREAKS	
CMPWU02	631.00	634.00	3.00	3.00	ALTERNATING SST AND SHALE, GREY	
CMPWU02	634.00	634.76	0.76	0.76	ALTERNATING SST AND SHALE, GREY	
CMPWU02	634.76	634.93	0.17	0.17	COAL, BLACK	
CMPWU02	634.93	635.90	0.97	0.97	ALTERNATING SST AND SHALE, GREY	
CMPWU02	635.90	636.53	0.63	0.63	SANDSTONE(FINE GRAINED), GREY	
CMPWU02	636.53	637.00	0.47	0.47	ALTERNATING SST AND SHALE, GREY, COALY, STREAKS	
CMPWU02	637.00	637.37	0.37	0.37	ALTERNATING SST AND SHALE, GREY	
CMPWU02	637.37	638.00	0.63	0.63	SANDSTONE(FINE GRAINED), GREY, COALY, STREAKS	
CMPWU03	0.00	0.50	0.50	0.40	BASALT, GREY, WEATHERED	
CMPWU03	0.50	3.50	3.00	2.80	BASALT, GREY, WEATHERED, ALL OVER, FRACTURE	
CMPWU03	3.50	4.10	0.60	0.57	BASALT, GREY, WEATHERED	
CMPWU03	4.10	6.50	2.40	2.40	BASALT, GREY	
CMPWU03	6.50	9.50	3.00	2.95	BASALT, GREY	
CMPWU03	9.50	12.50	3.00	3.00	BASALT, GREY, OVER BASE, FRACTURE	
CMPWU03	12.50	15.50	3.00	3.00	BASALT, GREY, OVER MIDDLE, FRACTURE	
CMPWU03	15.50	18.50	3.00	3.00	BASALT, GREY, OVER BASE, FRACTURE	
CMPWU03	18.50	21.50	3.00	2.96	BASALT, GREY, OVER MIDDLE, FRACTURE	
CMPWU03	21.50	24.50	3.00	3.00	BASALT, GREY, AT PLACES, FRACTURE	
CMPWU03	24.50	27.50	3.00	3.00	BASALT, GREY, AT PLACES, FRACTURE	
CMPWU03	27.50	30.50	3.00	3.00	BASALT, GREY, ALL OVER, FRACTURE	
CMPWU03	30.50	33.50	3.00	3.00	BASALT, GREY, AT PLACES, FRACTURE	
CMPWU03	33.50	36.50	3.00	3.00	BASALT, GREY, OVER MIDDLE, FRACTURE	
CMPWU03	36.50	39.50	3.00	3.00	BASALT, GREY, AT PLACES, FRACTURE	
CMPWU03	39.50	42.50	3.00	3.00	BASALT, GREY, AT PLACES, FRACTURE	
CMPWU03	42.50	44.70	2.20	2.20	BASALT, GREY, AT PLACES, FRACTURE	
CMPWU03	44.70	45.50	0.80	0.80	CLAYSTONE, BROWN, OVER MIDDLE, FRACTURE	
CMPWU03	45.50	47.35	1.85	1.65	CLAY, BROWN	
CMPWU03	47.35	48.50	1.15	1.12	BASALT, GREY	
CMPWU03	48.50	51.50	3.00	3.00	BASALT, GREY	
CMPWU03	51.50	54.50	3.00	3.00	BASALT, GREY	
CMPWU03	54.50	57.50	3.00	2.98	BASALT, GREY	
CMPWU03	57.50	60.50	3.00	3.00	BASALT, GREY	
CMPWU03	60.50	63.50	3.00	3.00	BASALT, GREY, OVER TOP, FRACTURE	
CMPWU03	63.50	66.50	3.00	3.00	BASALT, GREY	
CMPWU03	66.50	69.50	3.00	3.00	BASALT, GREY, OVER BASE, FRACTURE	

DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED  
EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU03	69.50	72.50	3.00	3.00	BASALT, GREY, OVER BASE, FRACTURE	
CMPWU03	72.50	75.50	3.00	3.00	BASALT, GREY, AT PLACES, FRACTURE	
CMPWU03	75.50	77.28	1.78	1.78	BASALT, GREY, AT PLACES, FRACTURE	
CMPWU03	77.28	78.50	1.22	1.22	CLAYSTONE, BROWN	
CMPWU03	78.50	79.40	0.90	0.90	CLAYSTONE, BROWN	
CMPWU03	79.40	79.66	0.26	0.26	CLAYSTONE, BROWNISH GREY	
CMPWU03	79.66	81.50	1.84	1.84	BASALT, GREY	
CMPWU03	81.50	84.50	3.00	3.00	BASALT, GREY, AT PLACES, FRACTURE	
CMPWU03	84.50	87.50	3.00	2.95	BASALT, GREY	
CMPWU03	87.50	90.50	3.00	3.00	BASALT, GREY, AT PLACES, FRACTURE	
CMPWU03	90.50	93.50	3.00	3.00	BASALT, GREY, OVER TOP, FRACTURE	
CMPWU03	93.50	96.50	3.00	3.00	BASALT, GREY, OVER MIDDLE, FRACTURE	
CMPWU03	96.50	99.50	3.00	3.00	BASALT, GREY, AT PLACES, FRACTURE	
CMPWU03	99.50	102.50	3.00	3.00	BASALT, GREY, OVER MIDDLE, FRACTURE	
CMPWU03	102.50	105.50	3.00	3.00	BASALT, GREY, OVER BASE, FRACTURE	
CMPWU03	105.50	108.50	3.00	3.00	BASALT, GREY	
CMPWU03	108.50	111.50	3.00	2.94	BASALT, GREY, AT PLACES, FRACTURE	
CMPWU03	111.50	114.50	3.00	3.00	BASALT, GREY, AT PLACES, FRACTURE	
CMPWU03	114.50	117.50	3.00	3.00	BASALT, GREY, AT PLACES, FRACTURE	
CMPWU03	117.50	120.50	3.00	3.00	BASALT, GREY, AT PLACES, FRACTURE	
CMPWU03	120.50	123.50	3.00	2.92	BASALT, GREY, OVER MIDDLE, FRACTURE	
CMPWU03	123.50	126.50	3.00	2.94	BASALT, GREY, OVER MIDDLE, FRACTURE	
CMPWU03	126.50	129.50	3.00	3.00	BASALT, GREY, OVER MIDDLE, FRACTURE	
CMPWU03	129.50	132.50	3.00	3.00	BASALT, GREY, AT PLACES, FRACTURE	
CMPWU03	132.50	135.50	3.00	3.00	BASALT, GREY, AT PLACES, FRACTURE	
CMPWU03	135.50	138.50	3.00	3.00	BASALT, GREY, AT PLACES, FRACTURE	
CMPWU03	138.50	141.50	3.00	3.00	BASALT, GREY, FRACTURE	
CMPWU03	141.50	144.50	3.00	3.00	BASALT, GREY, OVER TOP, FRACTURE	
CMPWU03	144.50	147.50	3.00	3.00	BASALT, GREY, OVER BASE, FRACTURE	
CMPWU03	147.50	149.95	2.45	2.45	BASALT, GREY, AT PLACES, FRACTURE	
CMPWU03	149.95	150.50	0.55	0.55	CLAYSTONE, BROWN, FRACTURE	
CMPWU03	150.50	151.56	1.06	1.06	CLAY, VARIEGATED	
CMPWU03	151.56	153.50	1.94	1.94	BASALT, GREY	
CMPWU03	153.50	156.50	3.00	3.00	BASALT, GREY, AT PLACES, FRACTURE	
CMPWU03	156.50	157.47	0.97	0.97	BASALT, GREY, AT PLACES, FRACTURE	
CMPWU03	157.47	159.50	2.03	2.03	BASALT, GREY, AT PLACES, FRACTURE	
CMPWU03	159.50	162.50	3.00	3.00	BASALT, GREY, AT PLACES, FRACTURE	
CMPWU03	162.50	165.50	3.00	3.00	BASALT, GREY, AT PLACES, FRACTURE	
CMPWU03	165.50	168.50	3.00	2.95	BASALT, GREY, AT PLACES, FRACTURE	
CMPWU03	168.50	171.50	3.00	3.00	BASALT, GREY, AT PLACES, FRACTURE	
CMPWU03	171.50	174.50	3.00	2.97	BASALT, GREY, AT PLACES, FRACTURE	
CMPWU03	174.50	177.50	3.00	2.95	BASALT, GREY, AT PLACES, FRACTURE	
CMPWU03	177.50	180.50	3.00	3.00	BASALT, GREY, AT PLACES, FRACTURE	
CMPWU03	180.50	183.50	3.00	3.00	BASALT, GREY, AT PLACES, FRACTURE	
CMPWU03	183.50	186.50	3.00	3.00	BASALT, GREENISH GREY, OVER MIDDLE, FRACTURE	
CMPWU03	186.50	189.50	3.00	3.00	BASALT, GREY, OVER TOP, FRACTURE	
CMPWU03	189.50	192.50	3.00	3.00	BASALT, GREY, AT PLACES, FRACTURE	
CMPWU03	192.50	193.74	1.24	1.24	BASALT, GREY, OVER MIDDLE, FRACTURE	
CMPWU03	193.74	195.50	1.76	1.76	CLAYSTONE, BROWN, FRACTURE	
CMPWU03	195.50	196.29	0.79	0.79	CLAYSTONE, BROWN, ALL OVER, FRACTURE	
CMPWU03	196.29	198.50	2.21	2.21	BASALT, GREY	
CMPWU03	198.50	201.50	3.00	3.00	BASALT, GREY	

**DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.**

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU03	201.50	204.50	3.00	3.00	BASALT, GREY	
CMPWU03	204.50	207.50	3.00	3.00	BASALT, GREY, OVER BASE, FRACTURE	
CMPWU03	207.50	210.50	3.00	3.00	BASALT, GREY, FRACTURE	
CMPWU03	210.50	211.06	0.56	0.56	BASALT, GREY	
CMPWU03	211.06	212.05	0.99	0.99	CLAYSTONE, GREENISH GREY	
CMPWU03	212.05	213.50	1.45	1.45	CLAY, BROWN, ALL OVER, SLICKENSIDED	
CMPWU03	213.50	216.50	3.00	2.96	CLAY, BROWN	
CMPWU03	216.50	219.00	2.50	2.50	INT. SANDSTONE = SHALE, GREY	
CMPWU03	219.00	219.50	0.50	0.50	SANDSTONE(MED. TO C. GRAINED), GREYEBBLY, ALL OVER	
CMPWU03	219.50	222.50	3.00	3.00	SANDSTONE(MED. TO C. GRAINED), GREYEBBLY, AT PLACES	
CMPWU03	222.50	225.50	3.00	3.00	SANDSTONE(MED. TO C. GRAINED), GREYEBBLY, AT PLACES	
CMPWU03	225.50	228.12	2.62	2.62	SANDSTONE(MED. TO C. GRAINED), GREYEBBLY, AT PLACES	
CMPWU03	228.12	228.50	0.38	0.38	INT. CLAY AND SANDSTONE, BROWNEBBLY, OVER TOP	
CMPWU03	228.50	228.84	0.34	0.33	INT. CLAY AND SANDSTONE, BROWN	
CMPWU03	228.84	231.12	2.28	2.27	SANDSTONE(COARSE TO V.C.GRAINED), GREYEBBLY, OVER TOP	
CMPWU03	231.12	231.50	0.38	0.33	CLAY, BROWN, SANDY	
CMPWU03	231.50	231.94	0.44	0.43	CLAY, BROWN, SANDY	
CMPWU03	231.94	234.50	2.56	2.54	SILTSTONE, BROWN, OVER TOP	
CMPWU03	234.50	237.50	3.00	2.98	CLAYSTONE, BROWN, SANDY, ALL OVER, SLICKENSIDED	
CMPWU03	237.50	238.85	1.35	1.35	CLAYSTONE, BROWN, SANDY, ALL OVER, SLICKENSIDED	
CMPWU03	238.85	239.68	0.83	0.83	SANDY SHALE, GREY, FRACTURE	
CMPWU03	239.68	239.92	0.24	0.24	INT. SANDSTONE> SHALE, GREY	
CMPWU03	239.92	240.50	0.58	0.58	SANDY SHALE, GREY	
CMPWU03	240.50	241.81	1.31	1.31	SANDY SHALE, GREY, OVER TOP, FRACTURE	
CMPWU03	241.81	243.50	1.69	1.69	SHALY SANDSTONE, GREY, OVER BASE, FRACTURE	
CMPWU03	243.50	244.25	0.75	0.75	SHALY SANDSTONE, GREY, FRACTURE	
CMPWU03	244.25	246.50	2.25	2.25	SANDSTONE(COARSE TO V.C.GRAINED), GREYEBBLY, ALL OVER	
CMPWU03	246.50	247.66	1.16	1.14	SANDSTONE(COARSE TO V.C.GRAINED), GREYEBBLY, ALL OVER	
CMPWU03	247.66	249.50	1.84	1.82	SHALY SANDSTONE, GREENISH GREY, AT PLACES, FRACTURE	
CMPWU03	249.50	251.94	2.44	2.44	SHALY SANDSTONE, GREENISH GREY, CLAYEY, FRACTURE	
CMPWU03	251.94	252.50	0.56	0.56	SHALE, VARIEGATED	
CMPWU03	252.50	253.50	1.00	0.98	SANDY SHALE, BROWNISH GREY, CLAYEY, ALL OVER	
CMPWU03	253.50	254.82	1.32	1.30	INT. SANDSTONE> SHALE, GREY, FRACTURE	
CMPWU03	254.82	255.50	0.68	0.63	CLAYSTONE, VARIEGATED, SLICKENSIDED	
CMPWU03	255.50	256.54	1.04	1.04	SANDY SHALE, GREY, CLAYEY	
CMPWU03	256.54	258.30	1.76	1.74	SHALE, GREY, ALL OVER, FRACTURE	
CMPWU03	258.30	258.50	0.20	0.20	SANDSTONE(COARSE GRAINED), GREY	
CMPWU03	258.50	259.90	1.40	1.40	SANDSTONE(COARSE TO V.C.GRAINED), GREYEBBLY, ALL OVER	
CMPWU03	259.90	261.50	1.60	1.60	SHALE, VARIEGATED	
CMPWU03	261.50	263.10	1.60	1.60	SHALE, VARIEGATED, CLAYEY	
CMPWU03	263.10	264.50	1.40	1.40	SANDSTONE(COARSE TO V.C.GRAINED), VARIEGATEDEBBLY, ALL OVER	
CMPWU03	264.50	266.48	1.98	1.98	SANDSTONE(COARSE TO V.C.GRAINED), VARIEGATEDEBBLY, ALL OVER	
CMPWU03	266.48	267.50	1.02	1.02	CLAY, GREY, SHALY	
CMPWU03	267.50	270.50	3.00	2.97	SHALE, VARIEGATED, CLAYEY, AT PLACES, FRACTURE	
CMPWU03	270.50	271.50	1.00	1.00	SANDY SHALE, VARIEGATED, CLAYEY, ALL OVER	
CMPWU03	271.50	273.50	2.00	2.00	SANDY SHALE, GREY	
CMPWU03	273.50	274.14	0.64	0.64	INT. SANDSTONE = SHALE, GREY	
CMPWU03	274.14	274.61	0.47	0.47	SANDSTONE(MED. TO C. GRAINED), GREY, SHALY	

**DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.**

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU03	274.61	275.45	0.84	0.83	SHALE, GREY, ALL OVER, FRACTURE	
CMPWU03	275.45	276.50	1.05	1.05	SANDSTONE(COARSE TO V.C.GRAINED), GREY, FRACTURE	
CMPWU03	276.50	276.67	0.17	0.17	SANDSTONE(COARSE TO V.C.GRAINED), GREY, FRACTURE	
CMPWU03	276.67	277.46	0.79	0.77	SANDY SHALE, GREY	
CMPWU03	277.46	278.07	0.61	0.61	SANDSTONE(V.F. TO FINE GRAINED), GREY, CLAYEY	
CMPWU03	278.07	279.50	1.43	1.40	SANDY SHALE, GREY, FRACTURE	
CMPWU03	279.50	280.65	1.15	1.12	SHALE, VARIEGATED, CLAYEY	
CMPWU03	280.65	282.35	1.70	1.70	SANDSTONE(FINE TO MEDIUM GRAINED), GREY, SHALY, OVER BASE, FRACTURE	
CMPWU03	282.35	282.50	0.15	0.13	SANDY SHALE, GREY, SLICKENSIDED	
CMPWU03	282.50	282.75	0.25	0.25	SANDY SHALE, GREY, OVER TOP, FRACTURE	
CMPWU03	282.75	285.50	2.75	2.75	SANDSTONE(COARSE TO V.C.GRAINED), GREY, AT PLACES, FRACTURE	
CMPWU03	285.50	288.50	3.00	3.00	SANDSTONE(COARSE TO V.C.GRAINED), GREYEBBLY	
CMPWU03	288.50	290.03	1.53	1.53	SANDSTONE(MED. TO C. GRAINED), GREY	
CMPWU03	290.03	290.28	0.25	0.25	SHALE, GREY	
CMPWU03	290.28	291.50	1.22	1.19	SANDSTONE(COARSE TO V.C.GRAINED), GREY	
CMPWU03	291.50	293.20	1.70	1.68	SANDSTONE(COARSE TO V.C.GRAINED), GREY	
CMPWU03	293.20	293.62	0.42	0.40	SHALE, GREY, SLICKENSIDED	
CMPWU03	293.62	294.50	0.88	0.85	CLAYSTONE, BROWN	
CMPWU03	294.50	295.31	0.81	0.81	SANDSTONE(V.F. TO FINE GRAINED), GREY, CLAYEY	
CMPWU03	295.31	297.50	2.19	2.16	SANDSTONE(MED. TO C. GRAINED), GREY	
CMPWU03	297.50	297.75	0.25	0.25	SANDSTONE(COARSE GRAINED), GREY	
CMPWU03	297.75	298.81	1.06	1.03	SANDY SHALE, GREY, SLICKENSIDED	
CMPWU03	298.81	300.50	1.69	1.66	SANDSTONE(FINE GRAINED), GREENISH GREY, FRACTURE	
CMPWU03	300.50	303.50	3.00	3.00	SANDSTONE(MED. TO C. GRAINED), GREY	
CMPWU03	303.50	306.50	3.00	3.00	SANDSTONE(MED. TO C. GRAINED), GREY	
CMPWU03	306.50	309.50	3.00	3.00	SANDSTONE(COARSE TO V.C.GRAINED), GREY	
CMPWU03	309.50	310.21	0.71	0.71	SANDSTONE(COARSE TO V.C.GRAINED), GREY	
CMPWU03	310.21	312.50	2.29	2.29	INT. SHALE > SANDSTONE, GREY, FRACTURE	
CMPWU03	312.50	312.76	0.26	0.26	SANDY SHALE, GREY, CLAYEY	
CMPWU03	312.76	313.68	0.92	0.92	CLAYSTONE, BROWN	
CMPWU03	313.68	315.09	1.41	1.40	SANDY SHALE, GREY, OVER TOP, FRACTURE	
CMPWU03	315.09	315.50	0.41	0.41	INT. SANDSTONE> SHALE, GREY	
CMPWU03	315.50	318.05	2.55	2.55	SHALE, GREY, ALL OVER, FRACTURE	
CMPWU03	318.05	318.50	0.45	0.45	SANDY SHALE, GREY, OVER BASE, FRACTURE	
CMPWU03	318.50	319.14	0.64	0.64	SANDY SHALE, GREY, OVER TOP, FRACTURE	
CMPWU03	319.14	320.14	1.00	1.00	SANDSTONE(MED. TO C. GRAINED), GREY, AT PLACES, FRACTURE	
CMPWU03	320.14	321.50	1.36	1.35	SANDY SHALE, GREY, SLICKENSIDED	
CMPWU03	321.50	322.81	1.31	1.31	SHALE, GREY, FRACTURE	
CMPWU03	322.81	323.99	1.18	1.18	SANDY SHALE, GREENISH GREY	
CMPWU03	323.99	324.50	0.51	0.51	INT. SANDSTONE> SHALE, GREY	
CMPWU03	324.50	327.50	3.00	2.96	SANDSTONE(FINE TO COARSE GRAINED), GREY, COALY, STREAKS	
CMPWU03	327.50	329.27	1.77	1.77	INT. SANDSTONE> SHALE, GREY	
CMPWU03	329.27	329.52	0.25	0.25	SHALE, GREY	
CMPWU03	329.52	330.50	0.98	0.98	SANDSTONE(FINE TO MEDIUM GRAINED), GREY	
CMPWU03	330.50	331.01	0.51	0.51	INT. SANDSTONE = SHALE, GREY	
CMPWU03	331.01	332.49	1.48	1.48	SHALE, GREY, ALL OVER, FRACTURE	
CMPWU03	332.49	333.17	0.68	0.68	SANDSTONE(V.F. TO FINE GRAINED), GREY	
CMPWU03	333.17	333.50	0.33	0.33	SHALE, GREY, CLAYEY	
CMPWU03	333.50	335.25	1.75	1.75	SHALE, GREY, CLAYEY	
CMPWU03	335.25	336.50	1.25	1.25	CLAYSTONE, BROWN	

**DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.**

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU03	336.50	339.50	3.00	3.00	CLAY, VARIEGATED, SHALY	
CMPWU03	339.50	340.67	1.17	1.17	SANDY SHALE, GREY, CLAYEY	
CMPWU03	340.67	342.50	1.83	1.83	CLAYSTONE, BROWN, AT PLACES, FRACTURE	
CMPWU03	342.50	343.24	0.74	0.74	SHALE, VARIEGATED, CLAYEY, OVER TOP, FRACTURE	
CMPWU03	343.24	345.50	2.26	2.26	INT. SANDSTONE> SHALE, GREENISH GREY	
CMPWU03	345.50	347.05	1.55	1.55	SANDSTONE(COARSE TO V.C.GRAINED), GREYEBBLY	
CMPWU03	347.05	348.50	1.45	1.45	CLAYSTONE, BROWN, AT PLACES, FRACTURE	
CMPWU03	348.50	350.80	2.30	2.30	CLAYSTONE, BROWN, OVER MIDDLE, FRACTURE	
CMPWU03	350.80	351.50	0.70	0.70	SANDSTONE(V.F. TO FINE GRAINED), GREY	
CMPWU03	351.50	353.51	2.01	2.01	INT. SANDSTONE> SHALE, GREENISH GREY	
CMPWU03	353.51	354.50	0.99	0.97	SHALE, VARIEGATED, CLAYEY, OVER MIDDLE, FRACTURE	
CMPWU03	354.50	355.81	1.31	1.31	CLAY, VARIEGATED, SHALY	
CMPWU03	355.81	357.50	1.69	1.69	SHALE, GREY, ALL OVER, FRACTURE	
CMPWU03	357.50	359.32	1.82	1.82	SHALE, GREY, ALL OVER, FRACTURE	
CMPWU03	359.32	360.50	1.18	1.18	CLAYSTONE, VARIEGATED, ALL OVER, FRACTURE	
CMPWU03	360.50	363.50	3.00	2.99	CLAYSTONE, VARIEGATED, ALL OVER, FRACTURE	
CMPWU03	363.50	366.50	3.00	2.99	CLAY, GREY, ALL OVER, FRACTURE	
CMPWU03	366.50	367.82	1.32	1.32	CLAYSTONE, BROWN, AT PLACES, FRACTURE	
CMPWU03	367.82	369.50	1.68	1.68	INT. SANDSTONE = SHALE, VARIEGATED, FRACTURE	
CMPWU03	369.50	370.81	1.31	1.31	SANDSTONE(FINE GRAINED), GREY, CLAYEY	
CMPWU03	370.81	372.50	1.69	1.67	CLAYSTONE, BROWN, FRACTURE	
CMPWU03	372.50	375.50	3.00	2.99	CLAYSTONE, BROWN, FRACTURE	
CMPWU03	375.50	378.50	3.00	3.00	SHALE, VARIEGATED, FRACTURE	
CMPWU03	378.50	380.80	2.30	2.30	SANDY SHALE, GREY, FRACTURE	
CMPWU03	380.80	380.94	0.14	0.14	SHALE, GREY, FRACTURE	
CMPWU03	380.94	381.50	0.56	0.56	CLAYSTONE, BROWN, FACTURE, SLICKENSIDED	
CMPWU03	381.50	382.09	0.59	0.59	CLAYSTONE, BROWN, FRACTURE	
CMPWU03	382.09	383.17	1.08	1.08	CLAYSTONE, VARIEGATED, FRACTURE	
CMPWU03	383.17	384.50	1.33	1.33	SHALE, GREY, FACTURE, SLICKENSIDED	
CMPWU03	384.50	384.70	0.20	0.20	SHALE, GREY, FRACTURE	
CMPWU03	384.70	385.23	0.53	0.50	CLAYSTONE, BROWN, FACTURE, SLICKENSIDED	
CMPWU03	385.23	386.18	0.95	0.95	SHALE, GREY, FRACTURE	
CMPWU03	386.18	387.50	1.32	1.30	CLAYSTONE, BROWN, FRACTURE	
CMPWU03	387.50	389.00	1.50	1.43	CLAYSTONE, BROWN, FRACTURE	
CMPWU03	389.00	389.46	0.46	0.46	CLAYSTONE, BROWN, FRACTURE	
CMPWU03	389.46	390.29	0.83	0.83	SHALE, GREY	
CMPWU03	390.29	391.47	1.18	1.18	CLAYSTONE, BROWN	
CMPWU03	391.47	391.69	0.22	0.22	SHALE, GREY	
CMPWU03	391.69	392.00	0.31	0.31	SANDSTONE(COARSE TO V.C.GRAINED), GREY	
CMPWU03	392.00	393.00	1.00	1.00	SANDSTONE(COARSE TO V.C.GRAINED), GREY	
CMPWU03	393.00	393.10	0.10	0.10	SHALE, GREY, CLAYEY	
CMPWU03	393.10	394.82	1.72	1.72	CLAYSTONE, BROWN, SHALY, AT PLACES, FRACTURE	
CMPWU03	394.82	395.00	0.18	0.18	SANDSTONE(MED. TO C. GRAINED), GREY	
CMPWU03	395.00	395.44	0.44	0.44	SANDSTONE(MED. TO C. GRAINED), GREY	
CMPWU03	395.44	396.44	1.00	1.00	CLAYSTONE, BROWN, FRACTURE	
CMPWU03	396.44	396.64	0.20	0.20	SHALE, GREY, ALL OVER, FRACTURE	
CMPWU03	396.64	398.00	1.36	1.36	CLAYSTONE, BROWN, ALL OVER, FRACTURE	
CMPWU03	398.00	399.08	1.08	1.06	CLAYSTONE, GREY, ALL OVER, FRACTURE	
CMPWU03	399.08	399.28	0.20	0.20	SHALE, GREY, SHALY	
CMPWU03	399.28	401.00	1.72	1.70	CLAYSTONE, BROWN, ALL OVER, FRACTURE	
CMPWU03	401.00	401.92	0.92	0.92	CLAYSTONE, BROWN, FRACTURE	
CMPWU03	401.92	402.12	0.20	0.20	SANDSTONE(FINE GRAINED), GREY, CLAYEY	



**DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.**

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU03	402.12	404.00	1.88	1.88	CLAYSTONE, BROWN, SHALY, OVER TOP, FRACTURE	
CMPWU03	404.00	404.86	0.86	0.86	SANDSTONE(MED. TO C. GRAINED), GREY, OVER TOP, FRACTURE	
CMPWU03	404.86	405.24	0.38	0.38	CLAYSTONE, VARIEGATED	
CMPWU03	405.24	406.91	1.67	1.67	CLAYSTONE, VARIEGATED, OVER TOP, FRACTURE	
CMPWU03	406.91	407.00	0.09	0.09	SANDSTONE(FINE GRAINED), GREY	
CMPWU03	407.00	407.97	0.97	0.97	INT. CLAY AND SANDSTONE, GREY, OVER TOP, FRACTURE	
CMPWU03	407.97	409.17	1.20	1.12	CLAYSTONE, CHOCOLATE BROWN, FRACTURE	
CMPWU03	409.17	409.77	0.60	0.59	SANDSTONE(MED. TO C. GRAINED), GREY, CLAYEY, AT PLACES	
CMPWU03	409.77	410.00	0.23	0.20	CLAYSTONE, BROWN, SANDY, ALL OVER	
CMPWU03	410.00	411.90	1.90	1.86	INT. CLAY AND SANDSTONE, GREY	
CMPWU03	411.90	413.00	1.10	1.01	CLAYSTONE, REDDISH BROWN, FRACTURE	
CMPWU03	413.00	414.71	1.71	1.70	INT. CLAY AND SANDSTONE, BROWN, FRACTURE	
CMPWU03	414.71	416.00	1.29	1.27	INT. CLAY AND SANDSTONE, BROWNISH GREY, FRACTURE	
CMPWU03	416.00	416.68	0.68	0.68	INT. CLAY AND SANDSTONE, BROWNISH GREY, FRACTURE	
CMPWU03	416.68	419.00	2.32	2.30	CLAYSTONE, REDDISH BROWN, FRACTURE	
CMPWU03	419.00	421.20	2.20	2.07	CLAYSTONE, REDDISH BROWN, SANDY, OVER MIDDLE, FRACTURE	
CMPWU03	421.20	421.30	0.10	0.08	SANDSTONE(FINE GRAINED), GREY	
CMPWU03	421.30	422.00	0.70	0.62	CLAYSTONE, REDDISH BROWN, FRACTURE	
CMPWU03	422.00	425.00	3.00	3.00	CLAYSTONE, REDDISH BROWN, SANDY, ALL OVER, FRACTURE	
CMPWU03	425.00	428.00	3.00	2.90	CLAYSTONE, REDDISH BROWN, SANDY, OVER TOP, FRACTURE	
CMPWU03	428.00	428.34	0.34	0.31	CLAYSTONE, REDDISH BROWN, FRACTURE	
CMPWU03	428.34	428.67	0.33	0.33	SANDSTONE(FINE TO MEDIUM GRAINED), GREY, CLAYEY, OVER TOP	
CMPWU03	428.67	428.87	0.20	0.17	CLAYSTONE, BROWN	
CMPWU03	428.87	431.00	2.13	2.10	SANDSTONE(MED. TO C. GRAINED), GREY	
CMPWU03	431.00	431.77	0.77	0.75	CLAYSTONE, BROWN, OVER TOP, FRACTURE	
CMPWU03	431.77	431.93	0.16	0.16	SANDSTONE(V.FINE GRAINED), GREY	
CMPWU03	431.93	432.36	0.43	0.40	CLAYSTONE, BROWN	
CMPWU03	432.36	434.00	1.64	1.64	SANDSTONE(MED. TO C. GRAINED), GREY, CLAYEY, AT PLACES	
CMPWU03	434.00	434.29	0.29	0.29	SANDSTONE(MED. TO C. GRAINED), GREY	
CMPWU03	434.29	437.00	2.71	2.71	CLAYSTONE, BROWN, AT PLACES, FRACTURE	
CMPWU03	437.00	440.00	3.00	3.00	CLAYSTONE, BROWN, OVER TOP, FRACTURE	
CMPWU03	440.00	440.62	0.62	0.62	CLAYSTONE, BROWN, OVER BASE, FRACTURE	
CMPWU03	440.62	441.15	0.53	0.53	SANDSTONE(FINE GRAINED), GREY, CLAYEY, FRACTURE	
CMPWU03	441.15	441.60	0.45	0.45	CLAYSTONE, BROWN, FRACTURE	
CMPWU03	441.60	443.00	1.40	1.40	SANDSTONE(FINE TO MEDIUM GRAINED), GREY, FRACTURE	
CMPWU03	443.00	445.36	2.36	2.33	SANDSTONE(FINE TO MEDIUM GRAINED), GREY, CLAYEY	
CMPWU03	445.36	446.00	0.64	0.64	CLAYSTONE, BROWN, SANDY, OVER TOP, JOINT NEAR HORIZONTAL	
CMPWU03	446.00	447.45	1.45	1.45	CLAYSTONE, BROWN, SANDY, OVER BASE	
CMPWU03	447.45	447.55	0.10	0.10	SANDSTONE(MEDIUM GRAINED), GREY	
CMPWU03	447.55	447.67	0.12	0.12	CLAYSTONE, BROWN	
CMPWU03	447.67	447.97	0.30	0.24	SANDSTONE(MEDIUM GRAINED), GREY, OVER BASE	
CMPWU03	447.97	448.47	0.50	0.50	CLAYSTONE, BROWN	
CMPWU03	448.47	448.77	0.30	0.30	SANDSTONE(MEDIUM GRAINED), GREY	
CMPWU03	448.77	449.00	0.23	0.21	CLAYSTONE, REDDISH BROWN	
CMPWU03	449.00	452.00	3.00	3.00	CLAYSTONE, REDDISH BROWN, SANDY, ALL OVER, FRACTURE	
CMPWU03	452.00	453.10	1.10	1.10	CLAYSTONE, REDDISH BROWN, OVER TOP, FRACTURE	

**DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.**

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU03	453.10	453.48	0.38	0.38	SANDSTONE(FINE TO MEDIUM GRAINED), GREY, CLAYEY, ALL OVER	
CMPWU03	453.48	455.00	1.52	1.52	CLAYSTONE, REDDISH BROWN, OVER MIDDLE, FRACTURE	
CMPWU03	455.00	455.85	0.85	0.84	CLAYSTONE, REDDISH BROWN, SANDY, OVER TOP	
CMPWU03	455.85	456.50	0.65	0.65	SANDSTONE(FINE GRAINED), GREY, CLAYEY, OVER TOP	
CMPWU03	456.50	458.00	1.50	1.50	CLAY, REDDISH BROWN, SANDY, OVER TOP	
CMPWU03	458.00	460.80	2.80	2.80	CLAYSTONE, REDDISH BROWN, SANDY, AT PLACES, FRACTURE	
CMPWU03	460.80	460.87	0.07	0.07	SANDSTONE(V.FINE GRAINED), GREY, CLAYEY	
CMPWU03	460.87	461.00	0.13	0.13	CLAYSTONE, REDDISH BROWN	
CMPWU03	461.00	461.71	0.71	0.71	CLAYSTONE, REDDISH BROWN	
CMPWU03	461.71	461.89	0.18	0.18	SANDSTONE(V.FINE GRAINED), GREY, CLAYEY	
CMPWU03	461.89	464.00	2.11	2.10	CLAYSTONE, REDDISH BROWN, SANDY	
CMPWU03	464.00	464.34	0.34	0.34	CLAYSTONE, REDDISH BROWN, SANDY, OVER TOP	
CMPWU03	464.34	464.42	0.08	0.08	SANDSTONE(FINE GRAINED), GREY	
CMPWU03	464.42	465.10	0.68	0.68	CLAYSTONE, REDDISH BROWN	
CMPWU03	465.10	465.55	0.45	0.45	INT. CLAY AND SANDSTONE, REDDISH BROWN	
CMPWU03	465.55	467.00	1.45	1.45	CLAYSTONE, REDDISH BROWN, ALL OVER, FRACTURE	
CMPWU03	467.00	470.00	3.00	2.98	CLAYSTONE, REDDISH BROWN, SANDY, AT PLACES, FRACTURE	
CMPWU03	470.00	473.00	3.00	2.99	INT. CLAY AND SANDSTONE, GREY, AT PLACES, FRACTURE	
CMPWU03	473.00	473.39	0.39	0.37	CLAYSTONE, REDDISH BROWN, FRACTURE	
CMPWU03	473.39	473.57	0.18	0.18	SANDSTONE(FINE GRAINED), GREY, OVER BASE, FRACTURE	
CMPWU03	473.57	474.32	0.75	0.72	CLAYSTONE, REDDISH BROWN, OVER TOP	
CMPWU03	474.32	474.65	0.33	0.33	SANDSTONE(FINE TO MEDIUM GRAINED), GREY, CLAYEY	
CMPWU03	474.65	475.71	1.06	1.04	CLAYSTONE, REDDISH BROWN, FRACTURE	
CMPWU03	475.71	476.00	0.29	0.29	SANDSTONE(FINE GRAINED), GREY, CLAYEY	
CMPWU03	476.00	476.69	0.69	0.69	INT. CLAY AND SANDSTONE, GREY	
CMPWU03	476.69	479.00	2.31	2.31	CLAYSTONE, REDDISH BROWN, SANDY, OVER TOP	
CMPWU03	479.00	480.00	1.00	0.80	INT. CLAY AND SANDSTONE, GREY	
CMPWU03	480.00	482.00	2.00	1.90	SANDSTONE(FINE TO MEDIUM GRAINED), GREY, OVER BASE, FRACTURE	
CMPWU03	482.00	483.25	1.25	0.90	SANDSTONE(MED. TO C. GRAINED), GREYEBBLY, OVER BASE	
CMPWU03	483.25	485.00	1.75	1.47	CLAYSTONE, REDDISH BROWN, SANDY, AT PLACES, FRACTURE	
CMPWU03	485.00	485.11	0.11	0.11	SANDSTONE(FINE GRAINED), GREY	
CMPWU03	485.11	488.00	2.89	2.89	CLAY, REDDISH BROWN, SLICKENSIDED	
CMPWU03	488.00	491.00	3.00	2.98	CLAYSTONE, REDDISH BROWN, SANDY, AT PLACES, FRACTURE	
CMPWU03	491.00	491.35	0.35	0.35	CLAYSTONE, REDDISH BROWN, FRACTURE	
CMPWU03	491.35	491.45	0.10	0.10	SANDSTONE(FINE GRAINED), GREY	
CMPWU03	491.45	494.00	2.55	2.55	CLAYSTONE, REDDISH BROWN, SANDY, AT PLACES, FRACTURE	
CMPWU03	494.00	494.73	0.73	0.73	CLAYSTONE, REDDISH BROWN, SANDY, AT PLACES, FRACTURE	
CMPWU03	494.73	494.89	0.16	0.16	SANDSTONE(FINE GRAINED), GREY	
CMPWU03	494.89	495.52	0.63	0.63	CLAYSTONE, REDDISH BROWN	
CMPWU03	495.52	495.81	0.29	0.29	SANDSTONE(FINE GRAINED), GREY, CLAYEY, OVER BASE	
CMPWU03	495.81	496.04	0.23	0.23	CLAYSTONE, REDDISH BROWN	
CMPWU03	496.04	496.70	0.66	0.66	SANDSTONE(FINE TO MEDIUM GRAINED), GREY	
CMPWU03	496.70	497.00	0.30	0.30	CLAYSTONE, REDDISH BROWN, OVER TOP, FRACTURE	
CMPWU03	497.00	497.06	0.06	0.06	CLAYSTONE, REDDISH BROWN	
CMPWU03	497.06	497.28	0.22	0.22	SANDSTONE(FINE GRAINED), GREY	
CMPWU03	497.28	498.37	1.09	1.09	CLAYSTONE, REDDISH BROWN, AT PLACES, FRACTURE	
CMPWU03	498.37	500.00	1.63	1.63	INT. CLAY AND SANDSTONE, GREY	

**DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.**

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU03	500.00	503.00	3.00	3.00	SANDSTONE(MED. TO C. GRAINED), GREENISH GREY	
CMPWU03	503.00	505.42	2.42	2.42	SANDSTONE(MED. TO C. GRAINED), GREENISH GREY	
CMPWU03	505.42	506.00	0.58	0.58	CLAYSTONE, REDDISH BROWN, FRACTURE	
CMPWU03	506.00	509.00	3.00	2.99	CLAYSTONE, REDDISH BROWN, SANDY, ALL OVER, FRACTURE	
CMPWU03	509.00	511.70	2.70	2.70	CLAYSTONE, REDDISH BROWN	
CMPWU03	511.70	511.90	0.20	0.20	SANDSTONE(FINE GRAINED), GREY	
CMPWU03	511.90	512.00	0.10	0.10	CLAYSTONE, REDDISH BROWN	
CMPWU03	512.00	512.18	0.18	0.17	CLAYSTONE, REDDISH BROWN	
CMPWU03	512.18	512.33	0.15	0.15	SANDSTONE(FINE GRAINED), GREY	
CMPWU03	512.33	514.01	1.68	1.67	CLAYSTONE, REDDISH BROWN, AT PLACES, FRACTURE	
CMPWU03	514.01	514.63	0.62	0.62	INT. SANDSTONE> SHALE, GREY	
CMPWU03	514.63	515.00	0.37	0.37	INT. CLAY AND SANDSTONE, GREY	
CMPWU03	515.00	515.07	0.07	0.07	SANDSTONE(MEDIUM GRAINED), GREY	
CMPWU03	515.07	515.23	0.16	0.16	CLAYSTONE, REDDISH BROWN, FRACTURE	
CMPWU03	515.23	515.30	0.07	0.07	SANDSTONE(MEDIUM GRAINED), GREY	
CMPWU03	515.30	516.16	0.86	0.86	CLAYSTONE, REDDISH BROWN, SANDY, OVER BASE	
CMPWU03	516.16	516.39	0.23	0.23	SANDSTONE(FINE GRAINED), GREY	
CMPWU03	516.39	516.52	0.13	0.13	CLAYSTONE, REDDISH BROWN, AT PLACES, FRACTURE	
CMPWU03	516.52	516.83	0.31	0.31	SHALY SANDSTONE, GREY	
CMPWU03	516.83	517.36	0.53	0.53	CLAYSTONE, REDDISH BROWN	
CMPWU03	517.36	517.56	0.20	0.20	SANDSTONE(FINE GRAINED), GREY	
CMPWU03	517.56	518.00	0.44	0.44	CLAYSTONE, REDDISH BROWN, OVER BASE, FRACTURE	
CMPWU03	518.00	521.00	3.00	2.99	CLAY, REDDISH BROWN	
CMPWU03	521.00	524.00	3.00	2.99	CLAYSTONE, REDDISH BROWN, AT PLACES, FRACTURE	
CMPWU03	524.00	527.00	3.00	3.00	CLAYSTONE, REDDISH BROWN, SANDY, AT PLACES, FRACTURE	
CMPWU03	527.00	528.15	1.15	1.15	CLAYSTONE, REDDISH BROWN, SANDY, AT PLACES	
CMPWU03	528.15	528.60	0.45	0.45	SANDSTONE(FINE GRAINED), GREY	
CMPWU03	528.60	528.99	0.39	0.39	CLAYSTONE, REDDISH BROWN, SANDY, AT PLACES	
CMPWU03	528.99	529.67	0.68	0.68	SANDSTONE(FINE GRAINED), GREY	
CMPWU03	529.67	530.00	0.33	0.33	CLAYSTONE, REDDISH BROWN	
CMPWU03	530.00	533.00	3.00	3.00	CLAYSTONE, REDDISH BROWN, ALL OVER, FRACTURE	
CMPWU03	533.00	533.26	0.26	0.26	CLAYSTONE, REDDISH BROWN	
CMPWU03	533.26	534.03	0.77	0.77	INT. SANDSTONE> SHALE, GREY	
CMPWU03	534.03	536.00	1.97	1.97	CLAYSTONE, REDDISH BROWN, ALL OVER, FRACTURE	
CMPWU03	536.00	538.12	2.12	2.12	CLAYSTONE, REDDISH BROWN, FRACTURE	
CMPWU03	538.12	538.20	0.08	0.08	SANDSTONE(FINE GRAINED), GREY	
CMPWU03	538.20	539.00	0.80	0.80	CLAYSTONE, REDDISH BROWN	
CMPWU03	539.00	540.40	1.40	1.40	CLAYSTONE, REDDISH BROWN, SANDY, FRACTURE	
CMPWU03	540.40	540.60	0.20	0.20	SANDSTONE(FINE GRAINED), GREY	
CMPWU03	540.60	542.00	1.40	1.40	CLAYSTONE, REDDISH BROWN, SANDY, FRACTURE	
CMPWU03	542.00	543.48	1.48	1.48	CLAYSTONE, REDDISH BROWN, OVER MIDDLE, FRACTURE	
CMPWU03	543.48	543.64	0.16	0.16	SANDSTONE(FINE GRAINED), GREY	
CMPWU03	543.64	543.94	0.30	0.27	CLAYSTONE, REDDISH BROWN	
CMPWU03	543.94	544.19	0.25	0.24	SANDSTONE(FINE GRAINED), GREY	
CMPWU03	544.19	545.00	0.81	0.79	CLAYSTONE, GREY	
CMPWU03	545.00	545.74	0.74	0.73	CLAYSTONE, REDDISH BROWN	
CMPWU03	545.74	546.83	1.09	1.09	INT. CLAY AND SANDSTONE, GREY	
CMPWU03	546.83	547.53	0.70	0.70	CLAYSTONE, REDDISH BROWN	
CMPWU03	547.53	547.88	0.35	0.35	SANDY SHALE, GREY	
CMPWU03	547.88	548.00	0.12	0.12	CLAYSTONE, REDDISH BROWN	
CMPWU03	548.00	551.00	3.00	3.00	CLAYSTONE, REDDISH BROWN, OVER MIDDLE, FRACTURE	

**DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.**

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU03	551.00	554.00	3.00	2.99	CLAY, REDDISH BROWN	
CMPWU03	554.00	557.00	3.00	2.99	CLAY, VARIEGATED, SHALY, ALL OVER, FRACTURE	
CMPWU03	557.00	557.71	0.71	0.71	SHALE, GREY, CLAYEY, FRACTURE	
CMPWU03	557.71	558.48	0.77	0.77	CLAYSTONE, REDDISH BROWN, FRACTURE	
CMPWU03	558.48	560.00	1.52	1.52	SHALE, VARIEGATED, CLAYEY	
CMPWU03	560.00	560.23	0.23	0.23	SHALE, VARIEGATED, CLAYEY	
CMPWU03	560.23	560.85	0.62	0.62	CLAYSTONE, REDDISH BROWN	
CMPWU03	560.85	562.78	1.93	1.93	SHALE, GREY, CLAYEY	
CMPWU03	562.78	563.00	0.22	0.22	SANDSTONE(FINE TO MEDIUM GRAINED), GREY	
CMPWU03	563.00	563.17	0.17	0.17	SANDSTONE(FINE TO MEDIUM GRAINED), GREY	
CMPWU03	563.17	566.00	2.83	2.83	SHALE, GREY, CLAYEY, ALL OVER, FRACTURE	
CMPWU03	566.00	566.80	0.80	0.80	SHALE, GREY, AT PLACES, FRACTURE	
CMPWU03	566.80	567.26	0.46	0.46	SANDY SHALE, GREY	
CMPWU03	567.26	568.59	1.33	1.33	SHALE, GREY, ALL OVER, FRACTURE	
CMPWU03	568.59	569.00	0.41	0.41	SANDSTONE(FINE TO MEDIUM GRAINED), GREY, SHALY, AT PLACES	
CMPWU03	569.00	569.23	0.23	0.23	SANDSTONE(FINE GRAINED), GREY, AT PLACES, FRACTURE	
CMPWU03	569.23	572.00	2.77	2.76	CLAYSTONE, REDDISH BROWN, AT PLACES, FRACTURE	
CMPWU03	572.00	575.00	3.00	2.99	CLAYSTONE, REDDISH BROWN, SANDY, FRACTURE	
CMPWU03	575.00	578.00	3.00	3.00	CLAYSTONE, REDDISH BROWN	
CMPWU03	578.00	579.70	1.70	1.70	CLAYSTONE, REDDISH BROWN, SANDY, FRACTURE	
CMPWU03	579.70	581.00	1.30	1.30	SHALE, GREY, AT PLACES, SLICKENSIDED	
CMPWU03	581.00	582.78	1.78	1.78	SHALE, GREY, SLICKENSIDED	
CMPWU03	582.78	583.03	0.25	0.25	CLAYSTONE, REDDISH BROWN, FRACTURE	
CMPWU03	583.03	583.24	0.21	0.21	SANDSTONE(FINE GRAINED), GREY, SANDY, ALL OVER	
CMPWU03	583.24	584.00	0.76	0.76	CLAYSTONE, REDDISH BROWN, AT PLACES, FRACTURE	
CMPWU03	584.00	587.00	3.00	2.99	CLAYSTONE, REDDISH BROWN, AT PLACES, FRACTURE	
CMPWU03	587.00	587.22	0.22	0.22	CLAYSTONE, REDDISH BROWN, FRACTURE	
CMPWU03	587.22	588.47	1.25	1.25	SHALE, GREY, FRACTURE	
CMPWU03	588.47	589.70	1.23	1.23	CLAYSTONE, REDDISH BROWN, FRACTURE	
CMPWU03	589.70	589.80	0.10	0.10	SHALE, GREY, FRACTURE	
CMPWU03	589.80	590.00	0.20	0.20	SANDY SHALE, GREY	
CMPWU03	590.00	590.64	0.64	0.64	SANDY SHALE, GREY	
CMPWU03	590.64	593.00	2.36	2.36	SHALE, VARIEGATED, CLAYEY	
CMPWU03	593.00	596.00	3.00	2.98	INT. CLAY AND SANDSTONE, VARIEGATED	
CMPWU03	596.00	598.85	2.85	2.85	ALTERNATING SST AND SHALE, GREY, CLAYEY	
CMPWU03	598.85	599.00	0.15	0.15	SHALE, GREY	
CMPWU03	599.00	599.17	0.17	0.17	SHALE, GREY	
CMPWU03	599.17	600.12	0.95	0.95	SHALE, VARIEGATED, CLAYEY	
CMPWU03	600.12	600.45	0.33	0.33	SANDY SHALE, VARIEGATED	
CMPWU03	600.45	601.83	1.38	1.38	SHALE, GREY, CLAYEY	
CMPWU03	601.83	602.00	0.17	0.17	SHALY SANDSTONE, GREENISH GREY	
CMPWU03	602.00	602.12	0.12	0.12	SHALY SANDSTONE, GREENISH GREY	
CMPWU03	602.12	603.57	1.45	1.45	SHALE, VARIEGATED, CLAYEY	
CMPWU03	603.57	604.30	0.73	0.73	SANDSTONE(FINE GRAINED), GREY	
CMPWU03	604.30	605.00	0.70	0.70	SHALE, GREY	
CMPWU03	605.00	605.12	0.12	0.12	SANDY SHALE, GREY	
CMPWU03	605.12	605.64	0.52	0.52	SANDSTONE(FINE GRAINED), GREY	
CMPWU03	605.64	606.94	1.30	1.30	SANDY SHALE, GREY, OVER MIDDLE, FRACTURE	
CMPWU03	606.94	607.01	0.07	0.07	SANDSTONE(FINE GRAINED), GREY	
CMPWU03	607.01	607.95	0.94	0.94	SANDY SHALE, GREY	
CMPWU03	607.95	608.00	0.05	0.05	SANDSTONE(FINE GRAINED), GREY	

DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU03	608.00	611.00	3.00	3.00	SANDSTONE(FINE GRAINED), GREY, COALY, AT PLACES, FRACTURE	
CMPWU03	611.00	611.73	0.73	0.73	SANDSTONE(FINE GRAINED), GREY, COALY, BANDS	
CMPWU03	611.73	611.84	0.11	0.11	SANDSTONE(FINE GRAINED), GREY	
CMPWU03	611.84	612.00	0.16	0.16	SHALE, GREY	
CMPWU03	612.00	613.22	1.22	1.22	SANDSTONE(FINE GRAINED), GREY, COALY, STREAKS	
CMPWU03	613.22	613.80	0.58	0.58	SANDY SHALE, GREY	
CMPWU03	613.80	613.86	0.06	0.06	COAL, BROWN	
CMPWU03	613.86	614.00	0.14	0.14	SHALE, GREY	
CMPWU03	614.00	614.78	0.78	0.78	INT. SANDSTONE = SHALE, GG, FRACTURE	
CMPWU03	614.78	615.04	0.26	0.26	SANDSTONE(FINE GRAINED), GREY	
CMPWU03	615.04	615.34	0.30	0.30	INT. SANDSTONE = SHALE, GREY	
CMPWU03	615.34	616.00	0.66	0.66	SANDY SHALE, GREY	
CMPWU03	616.00	617.00	1.00	1.00	ALTERNATING SST AND SHALE, GREY	
CMPWU03	617.00	617.20	0.20	0.19	ALTERNATING SST AND SHALE, GREY	
CMPWU03	617.20	620.00	2.80	2.80	SANDSTONE(FINE GRAINED), GREY, SANDY, AT PLACES	
CMPWU03	620.00	620.78	0.78	0.78	SANDSTONE(FINE GRAINED), GREY, SHALY, BANDS	
CMPWU03	620.78	620.83	0.05	0.05	SHALE, GREY, FRACTURE	
CMPWU03	620.83	621.09	0.26	0.26	SANDSTONE(FINE GRAINED), GREY	
CMPWU03	621.09	621.73	0.64	0.64	SANDY SHALE, GREY, FRACTURE	
CMPWU03	621.73	622.49	0.76	0.76	SHALE, GREY, FRACTURE	
<b>CMPWU03</b>	<b>622.49</b>	<b>622.89</b>	<b>0.40</b>	<b>0.40</b>	<b>COAL SEAM</b>	<b>IA</b>
CMPWU03	622.89	623.00	0.11	0.11	SHALE, BROWN, FRACTURE	
CMPWU03	623.00	626.00	3.00	3.00	SANDY SHALE, GREY, AT PLACES, FRACTURE	
CMPWU03	626.00	626.17	0.17	0.17	SANDY SHALE, GREY, OVER BASE, FRACTURE	
CMPWU03	626.17	626.36	0.19	0.11	SHALE, BROWN	
<b>CMPWU03</b>	<b>626.36</b>	<b>627.62</b>	<b>1.26</b>	<b>1.26</b>	<b>COAL SEAM</b>	<b>IB</b>
CMPWU03	627.62	628.06	0.44	0.44	SHALE, GREY, OVER TOP, FRACTURE	
<b>CMPWU03</b>	<b>628.06</b>	<b>630.37</b>	<b>2.31</b>	<b>2.30</b>	<b>COAL SEAM</b>	<b>IC</b>
CMPWU03	630.37	632.00	1.63	1.62	SHALE, GREY, AT PLACES, FRACTURE	
CMPWU03	632.00	632.58	0.58	0.58	SHALE, GREY, ALL OVER, FRACTURE	
CMPWU03	632.58	632.64	0.06	0.06	COAL, BROWN	
CMPWU03	632.64	632.88	0.24	0.24	SHALE, GREY	
<b>CMPWU03</b>	<b>632.88</b>	<b>635.00</b>	<b>2.12</b>	<b>2.09</b>	<b>COAL SEAM</b>	<b>IIA</b>
CMPWU03	635.00	635.75	0.75	0.75	ALTERNATING SST AND SHALE, GREY, FRACTURE	
CMPWU03	635.75	635.93	0.18	0.18	SHALE, GREY	
CMPWU03	635.93	636.66	0.73	0.73	ALTERNATING SST AND SHALE, GREY, FRACTURE	
CMPWU03	636.66	637.81	1.15	1.15	SHALE, GREY, FRACTURE	
<b>CMPWU03</b>	<b>637.81</b>	<b>639.20</b>	<b>1.39</b>	<b>1.39</b>	<b>COAL SEAM</b>	<b>IIB</b>
CMPWU03	639.20	639.69	0.49	0.49	SANDY SHALE, GREY	
CMPWU03	639.69	639.86	0.17	0.17	ALTERNATING SST AND SHALE, GREY	
CMPWU03	639.86	640.21	0.35	0.35	SANDY SHALE, GREY	
CMPWU03	640.21	641.00	0.79	0.79	ALTERNATING SST AND SHALE, GREY	
CMPWU03	641.00	641.17	0.17	0.17	ALTERNATING SST AND SHALE, GREY	
CMPWU03	641.17	641.30	0.13	0.13	COAL, BROWN	
CMPWU03	641.30	642.91	1.61	1.61	ALTERNATING SST AND SHALE, GREY, FRACTURE	
CMPWU03	642.91	643.20	0.29	0.29	SANDSTONE(MEDIUM GRAINED), GREY	
CMPWU03	643.20	644.00	0.80	0.80	ALTERNATING SST AND SHALE, GREY	
CMPWU03	644.00	645.55	1.55	1.55	ALTERNATING SST AND SHALE, GREY	
CMPWU03	645.55	645.99	0.44	0.44	COAL, BROWN	
CMPWU03	645.99	646.15	0.16	0.16	CARB SHALE HIGH, BROWN	
CMPWU03	646.15	646.34	0.19	0.19	COAL, BROWN	
CMPWU03	646.34	647.00	0.66	0.66	ALTERNATING SST AND SHALE, GREY, COALY, STREAKS	

DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED  
EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU03	647.00	648.30	1.30	1.30	ALTERNATING SST AND SHALE, GREY, COALY, STREAKS	
<b>CMPWU03</b>	<b>648.30</b>	<b>651.42</b>	<b>3.12</b>	<b>3.12</b>	<b>COAL SEAM</b>	<b>III</b>
CMPWU03	651.42	651.87	0.45	0.45	SANDY SHALE, GREY	
CMPWU03	651.87	652.34	0.47	0.47	ALTERNATING SST AND SHALE, GREY	
CMPWU03	652.34	652.54	0.20	0.20	SHALE, GREY	
CMPWU03	652.54	653.00	0.46	0.46	ALTERNATING SST AND SHALE, GREY	
CMPWU03	653.00	654.46	1.46	1.45	ALTERNATING SST AND SHALE, GREY, AT PLACES, FRACTURE	
<b>CMPWU03</b>	<b>654.46</b>	<b>657.38</b>	<b>2.92</b>	<b>2.90</b>	<b>COAL SEAM</b>	<b>IV</b>
CMPWU03	657.38	657.86	0.48	0.48	ALTERNATING SST AND SHALE, GREY	
CMPWU03	657.86	658.10	0.24	0.24	SANDSTONE(FINE GRAINED), GREY	
CMPWU03	658.10	659.00	0.90	0.90	ALTERNATING SST AND SHALE, GREY	
CMPWU03	659.00	659.14	0.14	0.14	ALTERNATING SST AND SHALE, GREY	
CMPWU03	659.14	659.79	0.65	0.65	SANDSTONE(FINE GRAINED), GREY	
<b>CMPWU03</b>	<b>659.79</b>	<b>660.72</b>	<b>0.93</b>	<b>0.93</b>	<b>COAL SEAM</b>	<b>VA</b>
CMPWU03	660.72	661.00	0.28	0.28	ALTERNATING SST AND SHALE, GREY	
CMPWU03	661.00	661.10	0.10	0.10	COAL, BROWN	
CMPWU03	661.10	662.00	0.90	0.90	ALTERNATING SST AND SHALE, GREY	
CMPWU03	662.00	663.00	1.00	1.00	ALTERNATING SST AND SHALE, GREY	
CMPWU03	663.00	663.14	0.14	0.13	COAL, BROWN	
CMPWU03	663.14	663.28	0.14	0.13	SHALE, GREY	
CMPWU03	663.28	663.43	0.15	0.14	COAL, BROWN	
CMPWU03	663.43	665.00	1.57	1.57	ALTERNATING SST AND SHALE, GREY	
CMPWU03	665.00	665.97	0.97	0.97	SANDSTONE(FINE GRAINED), GREY	
<b>CMPWU03</b>	<b>665.97</b>	<b>666.47</b>	<b>0.50</b>	<b>0.46</b>	<b>COAL SEAM</b>	<b>VB</b>
CMPWU03	666.47	667.32	0.85	0.85	SANDSTONE(FINE GRAINED), GREY	
CMPWU03	667.32	668.00	0.68	0.68	ALTERNATING SST AND SHALE, GREY	
CMPWU03	668.00	669.60	1.60	1.60	ALTERNATING SST AND SHALE, GREY	
CMPWU03	669.60	669.73	0.13	0.13	CARB SHALE HIGH, BROWN	
CMPWU03	669.73	669.80	0.07	0.07	COAL, BROWN	
CMPWU03	669.80	671.00	1.20	1.20	ALTERNATING SST AND SHALE, GREY	
CMPWU03	671.00	673.45	2.45	2.44	SANDSTONE(FINE GRAINED), GREY, COALY, STREAKS	
CMPWU03	673.45	673.82	0.37	0.37	ALTERNATING SST AND SHALE, GREY	
CMPWU03	673.82	674.00	0.18	0.18	SANDSTONE(FINE GRAINED), GREY	
CMPWU03	674.00	675.63	1.63	1.63	ALTERNATING SST AND SHALE, GREY	
CMPWU03	675.63	675.67	0.04	0.04	COAL, BROWN	
CMPWU03	675.67	677.00	1.33	1.33	SANDSTONE(FINE GRAINED), GREY, COALY, STREAKS	
CMPWU03	677.00	677.90	0.90	0.90	SANDSTONE(FINE GRAINED), GREY	
CMPWU03	677.90	680.00	2.10	2.10	ALTERNATING SST AND SHALE, GREY	
CMPWU03	680.00	681.92	1.92	1.92	ALTERNATING SST AND SHALE, GREY	
CMPWU03	681.92	683.00	1.08	1.08	SANDSTONE(FINE GRAINED), GREY	
<b>8494.396 DEPARTURE: 2466234.202</b>						
CMPWU04	0.00	1.24	1.24	1.22	SOIL, BROWN	
CMPWU04	1.24	2.00	0.76	0.76	BASALT, BROWN, WEATHERED	
CMPWU04	2.00	3.00	1.00	1.00	BASALT, BROWN, WEATHERED	
CMPWU04	3.00	5.00	2.00	2.00	BASALT, GREY, FRACTURE	
CMPWU04	5.00	8.00	3.00	3.00	BASALT, GREY, ALL OVER, FRACTURE	
CMPWU04	8.00	11.00	3.00	3.00	BASALT, GREY, AT PLACES, FRACTURE	
CMPWU04	11.00	12.42	1.42	1.40	BASALT, GREY, OVER TOP, FRACTURE	
CMPWU04	12.42	12.94	0.52	0.52	CLAYSTONE, BROWN, SLICKENSIDED	
CMPWU04	12.94	14.00	1.06	1.04	BASALT, GREY	
CMPWU04	14.00	17.00	3.00	2.98	BASALT, GREY, OVER MIDDLE, FRACTURE	
CMPWU04	17.00	20.00	3.00	2.95	BASALT, GREY, AT PLACES, FRACTURE	

**DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.**

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU04	20.00	21.00	1.00	1.00	BASALT, GREY	
CMPWU04	21.00	23.00	2.00	2.00	BASALT, GREY, OVER TOP, FRACTURE	
CMPWU04	23.00	24.90	1.90	1.90	BASALT, GREY, FRACTURE	
CMPWU04	24.90	26.00	1.10	1.10	CLAY, BROWN	
CMPWU04	26.00	29.00	3.00	2.50	CLAY, BROWN	
CMPWU04	29.00	31.16	2.16	2.16	CLAY, BROWN	
CMPWU04	31.16	32.00	0.84	0.84	BASALT, GREENISH GREY, OVER BASE, T	
CMPWU04	32.00	35.00	3.00	3.00	BASALT, GREY, OVER BASE, FRACTURE	
CMPWU04	35.00	38.00	3.00	3.00	BASALT, GREY, OVER BASE, T	
CMPWU04	38.00	41.00	3.00	3.00	BASALT, GREY, T	
CMPWU04	41.00	44.00	3.00	3.00	BASALT, GREY	
CMPWU04	44.00	47.00	3.00	3.00	BASALT, GREY, AT PLACES, FRACTURE	
CMPWU04	47.00	47.53	0.53	0.53	CLAYSTONE, GREENISH GREY	
CMPWU04	47.53	50.00	2.47	2.47	CLAY, BROWN	
CMPWU04	50.00	53.00	3.00	2.20	CLAY, BROWN	
CMPWU04	53.00	53.93	0.93	0.93	INT. SANDSTONE> SHALE, GREY, FRACTURE	
CMPWU04	53.93	56.00	2.07	2.07	SANDSTONE(FINE GRAINED), GREY, AT PLACES, FRACTURE	
CMPWU04	56.00	59.00	3.00	3.00	SANDSTONE(COARSE TO V.C.GRAINED), GREYEBBLY	
CMPWU04	59.00	62.00	3.00	3.00	SANDSTONE(COARSE TO V.C.GRAINED), GREYEBBLY	
CMPWU04	62.00	62.34	0.34	0.34	SANDSTONE(MED. TO C. GRAINED), GREY	
CMPWU04	62.34	62.86	0.52	0.52	SHALY SANDSTONE, BROWNISH GREY	
CMPWU04	62.86	63.56	0.70	0.70	SANDSTONE(FINE GRAINED), GREY	
CMPWU04	63.56	63.96	0.40	0.39	SANDY SHALE, GREY, OVER BASE, FRACTURE	
CMPWU04	63.96	65.00	1.04	1.03	CLAYSTONE, BROWN, AT PLACES, FRACTURE	
CMPWU04	65.00	66.97	1.97	1.97	CLAYSTONE, BROWN, OVER BASE, FRACTURE	
CMPWU04	66.97	68.00	1.03	1.03	SANDSTONE(MED. TO C. GRAINED), GREY	
CMPWU04	68.00	69.15	1.15	1.15	SANDSTONE(COARSE TO V.C.GRAINED), GREY	
CMPWU04	69.15	69.40	0.25	0.25	SHALE, GREY	
CMPWU04	69.40	71.00	1.60	1.60	CLAYSTONE, BROWN	
CMPWU04	71.00	72.70	1.70	1.70	CLAYSTONE, BROWN, FRACTURE	
CMPWU04	72.70	74.00	1.30	1.30	INT. CLAY AND SANDSTONE, VARIEGATED	
CMPWU04	74.00	77.00	3.00	3.00	SANDSTONE(COARSE TO V.C.GRAINED), GREYEBBLY, ALL OVER	
CMPWU04	77.00	78.92	1.92	1.92	SANDSTONE(COARSE TO V.C.GRAINED), GREYEBBLY, OVER TOP	
CMPWU04	78.92	80.00	1.08	1.08	SANDSTONE(MED. TO V.C. GRAINED), GREY, OVER BASE, FRACTURE	
CMPWU04	80.00	81.02	1.02	1.02	INT. SANDSTONE = SHALE, GREY	
CMPWU04	81.02	82.28	1.26	1.22	SANDSTONE(MED. TO C. GRAINED), GREYEBBLY, FRACTURE	
CMPWU04	82.28	82.50	0.22	0.16	SHALE, GREY	
CMPWU04	82.50	83.00	0.50	0.46	CLAYSTONE, BROWN, SANDY, OVER BASE	
CMPWU04	83.00	83.56	0.56	0.56	INT. CLAY AND SANDSTONE, VARIEGATED, AT PLACES, FRACTURE	
CMPWU04	83.56	83.93	0.37	0.37	SANDSTONE(FINE GRAINED), GREY, CLAYEY	
CMPWU04	83.93	86.00	2.07	2.07	CLAYSTONE, VARIEGATED, FRACTURE	
CMPWU04	86.00	87.00	1.00	0.99	CLAYSTONE, VARIEGATED, FRACTURE	
CMPWU04	87.00	89.00	2.00	2.00	INT. CLAY AND SANDSTONE, VARIEGATED, SHALY, FRACTURE	
CMPWU04	89.00	91.66	2.66	2.66	CLAY, VARIEGATED, SANDY, FRACTURE	
CMPWU04	91.66	92.00	0.34	0.34	SANDSTONE(V.FINE GRAINED), GREY, SHALY, OVER TOP	
CMPWU04	92.00	93.10	1.10	1.10	SANDY SHALE, GREY, CLAYEY, ALL OVER, FRACTURE	
CMPWU04	93.10	95.00	1.90	1.90	INT. SANDSTONE = SHALE, GREY	
CMPWU04	95.00	98.00	3.00	3.00	INT. SANDSTONE> SHALE, GREY, COALY, STREAKS, FRACTURE	

**DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.**

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU04	98.00	99.90	1.90	1.90	SANDSTONE(COARSE TO V.C.GRAINED), GREY, AT PLACES, FRACTURE	
CMPWU04	99.90	101.00	1.10	1.10	SANDSTONE(V.FINE GRAINED), GREY, SHALY	
CMPWU04	101.00	102.05	1.05	1.05	SANDSTONE(COARSE TO V.C.GRAINED), GREY	
CMPWU04	102.05	102.65	0.60	0.57	SHALE, GREY, CLAYEY	
CMPWU04	102.65	103.25	0.60	0.60	SANDSTONE(MED. TO C. GRAINED), GREY, CLAYEY, OVER TOP	
CMPWU04	103.25	104.00	0.75	0.73	SANDY SHALE, GREY, CLAYEY, ALL OVER	
CMPWU04	104.00	105.91	1.91	1.91	INT. SANDSTONE> SHALE, BROWNISH GREY, CLAYEY, FRACTURE	
CMPWU04	105.91	106.20	0.29	0.29	CLAYSTONE, BROWN	
CMPWU04	106.20	107.00	0.80	0.80	INT. SANDSTONE = SHALE, VARIEGATED, CLAYEY, ALL OVER	
CMPWU04	107.00	107.75	0.75	0.75	INT. CLAY AND SANDSTONE, BROWNISH GREY	
CMPWU04	107.75	108.37	0.62	0.62	SANDY SHALE, GREY, AT PLACES, FRACTURE	
CMPWU04	108.37	108.69	0.32	0.32	SANDSTONE(FINE GRAINED), GREY	
CMPWU04	108.69	108.94	0.25	0.22	CLAYSTONE, BROWN	
CMPWU04	108.94	109.31	0.37	0.37	INT. SANDSTONE = SHALE, VARIEGATED, CLAYEY, ALL OVER	
CMPWU04	109.31	110.00	0.69	0.67	SANDY SHALE, GREY, CLAYEY, AT PLACES, FRACTURE	
CMPWU04	110.00	110.88	0.88	0.88	SHALY SANDSTONE, GREENISH GREY, CLAYEY	
CMPWU04	110.88	112.85	1.97	1.97	CLAY, BROWN, SHALY	
CMPWU04	112.85	113.00	0.15	0.15	SANDSTONE(V.FINE GRAINED), GREY	
CMPWU04	113.00	114.87	1.87	1.87	SANDSTONE(FINE TO MEDIUM GRAINED), GREY	
CMPWU04	114.87	116.00	1.13	1.13	INT. SANDSTONE = SHALE, GREY, AT PLACES, FRACTURE	
CMPWU04	116.00	117.74	1.74	1.74	INT. SANDSTONE = SHALE, VARIEGATED, AT PLACES, FRACTURE	
CMPWU04	117.74	119.00	1.26	1.26	INT. CLAY AND SANDSTONE, GREY	
CMPWU04	119.00	121.40	2.40	2.40	SANDSTONE(COARSE TO V.C.GRAINED), BROWNISH GREY, CLAYEY, OVER BASE	
CMPWU04	121.40	122.00	0.60	0.60	SANDY SHALE, GREY, AT PLACES, FRACTURE	
CMPWU04	122.00	125.00	3.00	3.00	INT. CLAY AND SANDSTONE, BROWN	
CMPWU04	125.00	128.00	3.00	3.00	INT. CLAY AND SANDSTONE, BROWNISH GREY, OVER BASE, FRACTURE	
CMPWU04	128.00	129.46	1.46	1.46	INT. CLAY AND SANDSTONE, BROWNISH GREY, OVER BASE, FRACTURE	
CMPWU04	129.46	129.89	0.43	0.43	SHALE, GREY	
CMPWU04	129.89	130.43	0.54	0.54	SANDY SHALE, GREY, CLAYEY, OVER MIDDLE	
CMPWU04	130.43	131.00	0.57	0.57	SANDSTONE(FINE GRAINED), GREY, CLAYEY, OVER BASE	
CMPWU04	131.00	133.40	2.40	2.40	CLAYSTONE, VARIEGATED, SANDY, AT PLACES	
CMPWU04	133.40	134.00	0.60	0.60	CLAYSTONE, VARIEGATED, SLICKENSIDED	
CMPWU04	134.00	134.84	0.84	0.84	CLAYSTONE, BROWN, SLICKENSIDED	
CMPWU04	134.84	136.06	1.22	1.22	INT. SANDSTONE = SHALE, GREY	
CMPWU04	136.06	137.00	0.94	0.94	INT. CLAY AND SANDSTONE, VARIEGATED, AT PLACES, FRACTURE	
CMPWU04	137.00	140.00	3.00	3.00	SANDSTONE(FINE TO MEDIUM GRAINED), BROWNISH GREY, CLAYEY, AT PLACES	
CMPWU04	140.00	141.94	1.94	1.94	SANDSTONE(COARSE TO V.C.GRAINED), BROWNISH GREYEBBLY, AT PLACES	
CMPWU04	141.94	143.00	1.06	1.06	INT. CLAY AND SANDSTONE, BROWNISH GREY, FRACTURE	
CMPWU04	143.00	146.00	3.00	2.94	INT. CLAY AND SANDSTONE, BROWNISH GREY	
CMPWU04	146.00	149.00	3.00	3.00	SANDSTONE(MED. TO C. GRAINED), GREENISH GREYEBBLY, AT PLACES	
CMPWU04	149.00	151.40	2.40	2.10	SANDSTONE(COARSE TO V.C.GRAINED), GREENISH GREYEBBLY, AT PLACES	
CMPWU04	151.40	152.00	0.60	0.43	SANDY SHALE, GREY	
CMPWU04	152.00	155.00	3.00	2.95	SANDSTONE(MED. TO C. GRAINED), GREY, COALY, STREAKS	
CMPWU04	155.00	155.90	0.90	0.90	SANDY SHALE, GREY, AT PLACES, FRACTURE	



**DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.**

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU04	155.90	157.35	1.45	1.45	SHALE, BROWNISH GREY, CLAYEY	
CMPWU04	157.35	158.00	0.65	0.65	ALTERNATING SHALE AND SST, GREY	
CMPWU04	158.00	161.00	3.00	3.00	SANDSTONE(COARSE TO V.C.GRAINED), GREY	
CMPWU04	161.00	161.19	0.19	0.19	SANDSTONE(COARSE TO V.C.GRAINED), GREY	
CMPWU04	161.19	161.58	0.39	0.39	SANDSTONE(FINE GRAINED), GREY	
CMPWU04	161.58	164.00	2.42	2.37	SANDSTONE(COARSE TO V.C.GRAINED), GREY	
CMPWU04	164.00	167.00	3.00	3.00	SANDSTONE(FINE TO MEDIUM GRAINED), GREY, SHALY, AT PLACES	
CMPWU04	167.00	169.05	2.05	2.05	INT. SANDSTONE> SHALE, GREY, OVER MIDDLE, FRACTURE	
CMPWU04	169.05	170.00	0.95	0.95	SANDSTONE(FINE GRAINED), GREY	
CMPWU04	170.00	170.17	0.17	0.17	SANDSTONE(COARSE GRAINED), GREY	
CMPWU04	170.17	171.17	1.00	1.00	SHALE, GREY, FRACTURE	
CMPWU04	171.17	171.85	0.68	0.68	SANDY SHALE, GREENISH GREY	
CMPWU04	171.85	173.00	1.15	1.15	SANDY SHALE, GREY, AT PLACES, FRACTURE	
CMPWU04	173.00	174.90	1.90	1.85	INT. SANDSTONE> SHALE, GREENISH GREY, OVER TOP, FRACTURE	
CMPWU04	174.90	176.00	1.10	1.05	SANDSTONE(FINE GRAINED), GREENISH GREY	
CMPWU04	176.00	177.55	1.55	1.54	ALTERNATING SST AND SHALE, GREY, OVER TOP, FRACTURE	
CMPWU04	177.55	179.00	1.45	1.45	SANDY SHALE, GREY, AT PLACES, FRACTURE	
CMPWU04	179.00	180.39	1.39	1.39	SANDY SHALE, GREY, AT PLACES	
CMPWU04	180.39	181.18	0.79	0.79	INT. SANDSTONE> SHALE, GREY, CLAYEY, OVER BASE	
CMPWU04	181.18	182.00	0.82	0.82	SHALE, GREY, CLAYEY, AT PLACES, FRACTURE	
CMPWU04	182.00	185.00	3.00	3.00	CLAY, VARIEGATED, SHALY	
CMPWU04	185.00	188.00	3.00	2.99	SANDY SHALE, GREY, CLAYEY, AT PLACES, FRACTURE	
CMPWU04	188.00	191.00	3.00	3.00	SANDY SHALE, BROWNISH GREY, AT PLACES, FRACTURE	
CMPWU04	191.00	191.18	0.18	0.18	SANDY SHALE, GREY	
CMPWU04	191.18	194.00	2.82	2.82	SANDSTONE(FINE TO MEDIUM GRAINED), GREY, CLAYEY, OVER TOP	
CMPWU04	194.00	195.98	1.98	1.98	SANDSTONE(COARSE TO V.C.GRAINED), GREY	
CMPWU04	195.98	197.00	1.02	1.00	SANDY SHALE, GREY	
CMPWU04	197.00	197.65	0.65	0.65	SANDSTONE(V.F. TO FINE GRAINED), GREY, OVER BASE, FRACTURE	
CMPWU04	197.65	199.31	1.66	1.63	SANDSTONE(COARSE TO V.C.GRAINED), GREY, OVER BASE, FRACTURE	
CMPWU04	199.31	200.00	0.69	0.66	SANDY SHALE, GREY, OVER MIDDLE, FRACTURE	
CMPWU04	200.00	201.50	1.50	1.48	SANDY SHALE, GREY, OVER BASE, FRACTURE	
CMPWU04	201.50	203.00	1.50	1.50	SANDSTONE(FINE GRAINED), GREY, CLAYEY, AT PLACES, FRACTURE	
CMPWU04	203.00	205.02	2.02	2.01	CLAYSTONE, VARIEGATED, AT PLACES, FRACTURE	
CMPWU04	205.02	205.88	0.86	0.85	SANDY SHALE, GREY, AT PLACES, FRACTURE	
CMPWU04	205.88	206.00	0.12	0.12	SANDSTONE(MEDIUM GRAINED), GREY	
CMPWU04	206.00	209.00	3.00	3.00	ALTERNATING SST AND SHALE, GREY, AT PLACES, FRACTURE	
CMPWU04	209.00	210.74	1.74	1.74	SANDSTONE(FINE GRAINED), GREY, OVER TOP, FRACTURE	
CMPWU04	210.74	212.00	1.26	1.26	INT. SANDSTONE> SHALE, GREY, OVER BASE, FRACTURE	
CMPWU04	212.00	214.16	2.16	2.11	SANDSTONE(FINE GRAINED), GREY, FRACTURE	
CMPWU04	214.16	215.00	0.84	0.84	SANDSTONE(COARSE TO V.C.GRAINED), GREY, OVER BASE, FRACTURE	
CMPWU04	215.00	218.00	3.00	3.00	ALTERNATING SST AND SHALE, GREY, COALY, STREAKS, FRACTURE	
CMPWU04	218.00	218.56	0.56	0.56	INT. SANDSTONE> SHALE, GREY	
CMPWU04	218.56	219.54	0.98	0.98	SANDSTONE(MED. TO C. GRAINED), GREY	
CMPWU04	219.54	221.00	1.46	1.45	SANDY SHALE, GREY, AT PLACES, FRACTURE	
CMPWU04	221.00	221.46	0.46	0.46	SANDY SHALE, GREY, OVER TOP, FRACTURE	

**DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.**

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU04	221.46	224.00	2.54	2.54	SANDSTONE(FINE TO MEDIUM GRAINED), GREY, SHALY, AT PLACES	
CMPWU04	224.00	224.54	0.54	0.54	ALTERNATING SST AND SHALE, GREY	
CMPWU04	224.54	225.15	0.61	0.61	SHALE, GREY, FRACTURE	
CMPWU04	225.15	227.00	1.85	1.85	SANDSTONE(MED. TO C. GRAINED), GREY	
CMPWU04	227.00	227.80	0.80	0.78	SANDSTONE(COARSE TO V.C.GRAINED), GREY, COALY, STREAKS	
CMPWU04	227.80	228.00	0.20	0.20	SANDY SHALE, GREY	
CMPWU04	228.00	228.70	0.70	0.70	SANDY SHALE, GREY, OVER MIDDLE	
CMPWU04	228.70	230.00	1.30	1.30	SANDSTONE(FINE TO MEDIUM GRAINED), GREY	
CMPWU04	230.00	230.84	0.84	0.84	SANDSTONE(FINE GRAINED), GREY, OVER MIDDLE, FRACTURE	
CMPWU04	230.84	233.00	2.16	2.16	SANDY SHALE, GREY, AT PLACES, FRACTURE	
CMPWU04	233.00	234.03	1.03	1.03	INT. CLAY AND SANDSTONE, GREY, FRACTURE	
CMPWU04	234.03	234.23	0.20	0.20	SHALE, GREY, OVER TOP, FRACTURE	
CMPWU04	234.23	234.69	0.46	0.46	INT. SANDSTONE> SHALE, GREY	
CMPWU04	234.69	234.93	0.24	0.24	SHALE, GREY, SLICKENSIDED	
CMPWU04	234.93	236.00	1.07	1.07	SANDSTONE(FINE GRAINED), GREY	
CMPWU04	236.00	237.93	1.93	1.90	INT. SANDSTONE = SHALE, GREY, AT PLACES, FRACTURE	
CMPWU04	237.93	239.00	1.07	1.04	SANDSTONE(FINE GRAINED), GREY, COALY, STREAKS	
CMPWU04	239.00	239.64	0.64	0.64	SANDSTONE(MED. TO C. GRAINED), GREY, COALY, STREAKS	
CMPWU04	239.64	241.61	1.97	1.97	ALTERNATING SHALE AND SST, GREY	
CMPWU04	241.61	242.00	0.39	0.39	SANDSTONE(FINE GRAINED), GREY, COALY, STREAKS	
CMPWU04	242.00	244.00	2.00	1.96	SANDSTONE(COARSE TO V.C.GRAINED), GREY	
CMPWU04	244.00	244.78	0.78	0.78	SANDSTONE(FINE TO MEDIUM GRAINED), GREY	
CMPWU04	244.78	245.00	0.22	0.22	SHALE, GREY, OVER BASE, FRACTURE	
CMPWU04	245.00	246.40	1.40	1.40	SANDY SHALE, GREY, AT PLACES, SLICKENSIDED	
CMPWU04	246.40	248.00	1.60	1.56	SHALE, VARIEGATED, CLAYEY, AT PLACES, FRACTURE	
CMPWU04	248.00	251.00	3.00	2.96	CLAYSTONE, BROWN, OVER MIDDLE, FRACTURE	
CMPWU04	251.00	254.00	3.00	3.00	CLAYSTONE, VARIEGATED, FACTURE, SLICKENSIDED	
CMPWU04	254.00	256.25	2.25	2.20	SHALE, GREY, FACTURE, SLICKENSIDED	
CMPWU04	256.25	257.00	0.75	0.70	SHALE, VARIEGATED, FACTURE, SLICKENSIDED	
CMPWU04	257.00	260.00	3.00	1.35	CLAYSTONE, BROWN, FACTURE, SLICKENSIDED	
CMPWU04	260.00	260.80	0.80	0.80	SANDY SHALE, GREY, OVER MIDDLE, FRACTURE	
CMPWU04	260.80	261.85	1.05	1.00	SHALE, CLAYEY, FRACTURE	
CMPWU04	261.85	263.00	1.15	1.10	CLAYSTONE, BROWN, SLICKENSIDED	
CMPWU04	263.00	266.00	3.00	2.99	CLAYSTONE, BROWN, ALL OVER, FRACTURE	
CMPWU04	266.00	269.00	3.00	3.00	CLAYSTONE, BROWN, SANDY, FRACTURE	
CMPWU04	269.00	269.50	0.50	0.48	CLAYSTONE, BROWN	
CMPWU04	269.50	272.00	2.50	2.45	CLAY, BROWN	
CMPWU04	272.00	274.83	2.83	2.83	CLAYSTONE, BROWN, SANDY, FRACTURE	
CMPWU04	274.83	275.00	0.17	0.17	SANDSTONE(FINE GRAINED), GREY, CLAYEY, OVER TOP	
CMPWU04	275.00	275.48	0.48	0.48	SANDSTONE(FINE GRAINED), GREY, CLAYEY	
CMPWU04	275.48	275.82	0.34	0.34	CLAYSTONE, BROWN	
CMPWU04	275.82	277.13	1.31	1.31	SANDSTONE(FINE GRAINED), GREYEBBLY, OVER BASE	
CMPWU04	277.13	278.00	0.87	0.87	CLAYSTONE, BROWN	
CMPWU04	278.00	281.00	3.00	3.00	CLAYSTONE, BROWN, SANDY, AT PLACES	
CMPWU04	281.00	284.00	3.00	3.00	INT. CLAY AND SANDSTONE, BROWN, SANDY	
CMPWU04	284.00	286.74	2.74	2.66	CLAYSTONE, BROWN, SANDY, AT PLACES, FRACTURE	
CMPWU04	286.74	287.00	0.26	0.26	SANDSTONE(FINE GRAINED), GREY, CLAYEY	
CMPWU04	287.00	287.20	0.20	0.20	SANDSTONE(FINE GRAINED), GREY	
CMPWU04	287.20	289.25	2.05	2.05	CLAYSTONE, BROWN, FRACTURE	
CMPWU04	289.25	290.00	0.75	0.75	SANDSTONE(V.FINE GRAINED), GREY, CLAYEY, AT PLACES	

**DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.**

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU04	290.00	291.00	1.00	0.26	INT. CLAY AND SANDSTONE, BROWN, SANDY	
CMPWU04	291.00	291.50	0.50	0.28	SANDSTONE(FINE GRAINED), GREY	
CMPWU04	291.50	293.00	1.50	0.93	CLAYSTONE, BROWN, OVER BASE, FRACTURE	
CMPWU04	293.00	296.00	3.00	0.86	CLAYSTONE, BROWN, FRACTURE	
CMPWU04	296.00	296.25	0.25	0.25	CLAYSTONE, BROWN, FRACTURE	
CMPWU04	296.25	296.61	0.36	0.36	SANDSTONE(FINE GRAINED), GREY, CLAYEY, OVER TOP	
CMPWU04	296.61	298.46	1.85	1.85	CLAYSTONE, BROWN, SANDY, AT PLACES, FRACTURE	
CMPWU04	298.46	298.86	0.40	0.40	SANDSTONE(FINE GRAINED), GREY, CLAYEY, OVER TOP	
CMPWU04	298.86	299.00	0.14	0.14	CLAYSTONE, BROWN	
CMPWU04	299.00	302.00	3.00	3.00	CLAY, BROWN, SANDY, AT PLACES, FRACTURE	
CMPWU04	302.00	303.20	1.20	1.20	CLAYSTONE, BROWN	
CMPWU04	303.20	305.00	1.80	1.80	INT. CLAY AND SANDSTONE, BROWN, SANDY	
CMPWU04	305.00	307.75	2.75	2.75	CLAY, BROWN	
CMPWU04	307.75	308.00	0.25	0.25	INT. CLAY AND SANDSTONE, BROWN	
CMPWU04	308.00	309.00	1.00	1.00	CLAYSTONE, BROWN, AT PLACES, FRACTURE	
CMPWU04	309.00	311.00	2.00	2.00	CLAYSTONE, BROWN, SANDY, AT PLACES	
CMPWU04	311.00	311.73	0.73	0.70	CLAYSTONE, BROWN, SANDY	
CMPWU04	311.73	311.94	0.21	0.21	SANDSTONE(FINE GRAINED), GREY, CLAYEY	
CMPWU04	311.94	314.00	2.06	2.06	CLAYSTONE, BROWN, SANDY, FRACTURE	
CMPWU04	314.00	316.24	2.24	2.24	CLAYSTONE, BROWN, FRACTURE	
CMPWU04	316.24	317.00	0.76	0.76	CLAYSTONE, BROWN, SANDY	
CMPWU04	317.00	320.00	3.00	3.00	INT. CLAY AND SANDSTONE, BROWN, AT PLACES, FRACTURE	
CMPWU04	320.00	320.22	0.22	0.22	INT. CLAY AND SANDSTONE, BROWN	
CMPWU04	320.22	320.40	0.18	0.18	SANDSTONE(FINE GRAINED), GREY	
CMPWU04	320.40	320.61	0.21	0.21	CLAYSTONE, BROWN	
CMPWU04	320.61	320.79	0.18	0.18	SANDSTONE(FINE GRAINED), GREY, CLAYEY	
CMPWU04	320.79	321.12	0.33	0.33	CLAYSTONE, BROWN, SANDY, AT PLACES	
CMPWU04	321.12	321.30	0.18	0.18	SANDSTONE(FINE GRAINED), GREY, CLAYEY, OVER BASE	
CMPWU04	321.30	323.00	1.70	1.70	CLAYSTONE, BROWN, SANDY, AT PLACES	
CMPWU04	323.00	323.65	0.65	0.65	SANDSTONE(FINE GRAINED), GREY	
CMPWU04	323.65	323.80	0.15	0.15	CLAYSTONE, BROWN	
CMPWU04	323.80	324.42	0.62	0.62	SANDSTONE(FINE TO MEDIUM GRAINED), GREY	
CMPWU04	324.42	325.37	0.95	0.95	INT. CLAY AND SANDSTONE, GREY	
CMPWU04	325.37	326.00	0.63	0.63	CLAYSTONE, BROWN, SANDY, AT PLACES	
CMPWU04	326.00	327.22	1.22	1.22	CLAYSTONE, BROWN, SANDY, OVER BASE	
CMPWU04	327.22	328.10	0.88	0.88	SANDSTONE(FINE GRAINED), GREY, CLAYEY, OVER BASE	
CMPWU04	328.10	329.00	0.90	0.90	CLAYSTONE, BROWN, CLAYEY, OVER BASE	
CMPWU04	329.00	329.75	0.75	0.75	CLAYSTONE, BROWN	
CMPWU04	329.75	332.00	2.25	2.25	INT. CLAY AND SANDSTONE, BROWNEBBLY	
CMPWU04	332.00	332.88	0.88	0.87	CLAYSTONE, BROWN	
CMPWU04	332.88	334.47	1.59	1.59	INT. CLAY AND SANDSTONE, BROWN	
CMPWU04	334.47	335.00	0.53	0.51	CLAYSTONE, BROWN	
CMPWU04	335.00	338.00	3.00	2.99	CLAY, BROWN, SANDY, AT PLACES	
CMPWU04	338.00	340.74	2.74	2.74	CLAYSTONE, BROWN, SANDY, ALL OVER, FRACTURE	
CMPWU04	340.74	341.00	0.26	0.26	SANDSTONE(FINE GRAINED), GREY, CLAYEY	
CMPWU04	341.00	341.68	0.68	0.68	SANDSTONE(FINE GRAINED), GREY	
CMPWU04	341.68	342.06	0.38	0.38	CLAYSTONE, BROWN	
CMPWU04	342.06	344.00	1.94	1.94	SANDSTONE(FINE GRAINED), GREY, CLAYEY, OVER TOP	
CMPWU04	344.00	346.04	2.04	2.04	SANDSTONE(MED. TO C. GRAINED), GREY, CLAYEY, OVER BASE, FRACTURE	
CMPWU04	346.04	346.70	0.66	0.66	INT. CLAY AND SANDSTONE, GREY	
CMPWU04	346.70	347.00	0.30	0.30	SANDSTONE(MED. TO C. GRAINED), GREY	

**DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.**

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU04	347.00	347.82	0.82	0.82	SANDSTONE(MED. TO C. GRAINED), GREY, CLAYEY, AT PLACES	
CMPWU04	347.82	348.75	0.93	0.93	ALTERNATING SST AND SHALE, GREY	
CMPWU04	348.75	349.10	0.35	0.30	CLAYSTONE, BROWN, OVER TOP, FRACTURE	
CMPWU04	349.10	349.26	0.16	0.16	SHALE, GREY	
CMPWU04	349.26	350.00	0.74	0.70	CLAYSTONE, BROWN, AT PLACES, FRACTURE	
CMPWU04	350.00	353.00	3.00	3.00	CLAYSTONE, BROWN, AT PLACES, FRACTURE	
CMPWU04	353.00	354.78	1.78	1.75	CLAYSTONE, BROWN	
CMPWU04	354.78	355.12	0.34	0.34	SANDSTONE(FINE GRAINED), GREY	
CMPWU04	355.12	356.00	0.88	0.81	CLAYSTONE, BROWN, FRACTURE	
CMPWU04	356.00	356.60	0.60	0.59	CLAYSTONE, BROWN, SANDY	
CMPWU04	356.60	357.66	1.06	1.06	SANDSTONE(FINE GRAINED), GREY, CLAYEY	
CMPWU04	357.66	358.23	0.57	0.57	CLAYSTONE, BROWN, SANDY	
CMPWU04	358.23	359.00	0.77	0.77	SANDSTONE(FINE GRAINED), GREY, SHALY	
CMPWU04	359.00	359.10	0.10	0.10	SANDSTONE(FINE GRAINED), GREY, SANDY, ALL OVER	
CMPWU04	359.10	362.00	2.90	2.84	CLAYSTONE, BROWN, ALL OVER, FRACTURE	
CMPWU04	362.00	365.00	3.00	2.99	CLAYSTONE, BROWN, ALL OVER, FRACTURE	
CMPWU04	365.00	368.00	3.00	3.00	CLAYSTONE, BROWN, FRACTURE	
CMPWU04	368.00	369.92	1.92	1.92	CLAYSTONE, BROWN, FRACTURE	
CMPWU04	369.92	370.28	0.36	0.36	SANDSTONE(FINE GRAINED), GREY, CLAYEY	
CMPWU04	370.28	371.00	0.72	0.72	CLAYSTONE, BROWN	
CMPWU04	371.00	371.51	0.51	0.51	CLAYSTONE, BROWN, FRACTURE	
CMPWU04	371.51	372.42	0.91	0.91	SANDY SHALE, GREY, CLAYEY	
CMPWU04	372.42	374.00	1.58	1.58	CLAYSTONE, BROWN, OVER TOP, FRACTURE	
CMPWU04	374.00	374.50	0.50	0.50	SANDSTONE(FINE GRAINED), GREY	
CMPWU04	374.50	374.61	0.11	0.11	CLAYSTONE, BROWN	
CMPWU04	374.61	374.81	0.20	0.20	SANDY SHALE, GREY, CLAYEY	
CMPWU04	374.81	376.55	1.74	1.74	CLAYSTONE, BROWN	
CMPWU04	376.55	377.00	0.45	0.45	SHALY SANDSTONE, GREY	
CMPWU04	377.00	379.60	2.60	2.51	CLAYSTONE, BROWN, SANDY, AT PLACES	
CMPWU04	379.60	380.00	0.40	0.37	SANDSTONE(FINE TO MEDIUM GRAINED), GREY, CLAYEY, AT PLACES	
CMPWU04	380.00	380.55	0.55	0.55	CLAYSTONE, BROWN, SANDY, AT PLACES	
CMPWU04	380.55	381.82	1.27	1.27	SANDSTONE(FINE TO MEDIUM GRAINED), GREY	
CMPWU04	381.82	382.06	0.24	0.24	SANDY SHALE, GREY	
CMPWU04	382.06	383.00	0.94	0.94	CLAYSTONE, BROWN, FRACTURE	
CMPWU04	383.00	386.00	3.00	3.00	CLAYSTONE, BROWN	
CMPWU04	386.00	388.12	2.12	2.12	CLAYSTONE, BROWN, OVER TOP, FRACTURE	
CMPWU04	388.12	388.24	0.12	0.12	SANDSTONE(FINE GRAINED), GREY	
CMPWU04	388.24	389.00	0.76	0.76	CLAYSTONE, BROWN, FRACTURE	
CMPWU04	389.00	389.60	0.60	0.60	CLAYSTONE, BROWN	
CMPWU04	389.60	390.92	1.32	1.32	SHALE, GREY, ALL OVER, FRACTURE	
CMPWU04	390.92	392.00	1.08	1.08	SANDY SHALE, GREY, CLAYEY, AT PLACES	
CMPWU04	392.00	392.17	0.17	0.17	SANDY SHALE, GREY, CLAYEY	
CMPWU04	392.17	392.45	0.28	0.28	CLAYSTONE, BROWN, FRACTURE	
CMPWU04	392.45	392.63	0.18	0.18	SANDY SHALE, GREY	
CMPWU04	392.63	393.41	0.78	0.78	CLAYSTONE, BROWN, FRACTURE	
CMPWU04	393.41	394.50	1.09	1.09	SANDY SHALE, GREY	
CMPWU04	394.50	395.00	0.50	0.50	CLAYSTONE, BROWN, FRACTURE	
CMPWU04	395.00	397.00	2.00	2.00	SHALE, VARIEGATED, ALL OVER, FRACTURE	
CMPWU04	397.00	398.00	1.00	1.00	SHALE, VARIEGATED, ALL OVER, FRACTURE	
CMPWU04	398.00	399.55	1.55	1.50	SHALE, VARIEGATED, ALL OVER, FRACTURE	
CMPWU04	399.55	399.78	0.23	0.23	SANDY SHALE, VARIEGATED	

**DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.**

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU04	399.78	401.00	1.22	1.20	SHALE, VARIEGATED, FRACTURE	
CMPWU04	401.00	402.07	1.07	1.07	SHALE, VARIEGATED, FRACTURE	
CMPWU04	402.07	403.22	1.15	1.15	INT. CLAY AND SANDSTONE, VARIEGATED	
CMPWU04	403.22	403.51	0.29	0.29	SANDY SHALE, VARIEGATED	
CMPWU04	403.51	404.00	0.49	0.49	INT. CLAY AND SANDSTONE, VARIEGATED	
CMPWU04	404.00	407.00	3.00	3.00	INT. CLAY AND SANDSTONE, VARIEGATED, OVER BASE, FRACTURE	
CMPWU04	407.00	409.72	2.72	2.72	CLAYSTONE, BROWN, OVER TOP, SLICKENSIDED	
CMPWU04	409.72	410.00	0.28	0.28	SANDSTONE(MED. TO C. GRAINED), GREY	
CMPWU04	410.00	411.49	1.49	1.49	SANDSTONE(MED. TO C. GRAINED), GREY, CLAYEY	
CMPWU04	411.49	412.00	0.51	0.51	CLAYSTONE, BROWN, FRACTURE	
CMPWU04	412.00	413.00	1.00	1.00	SHALE, VARIEGATED, CLAYEY, SLICKENSIDED	
CMPWU04	413.00	414.55	1.55	1.50	SHALE, VARIEGATED, CLAYEY, SLICKENSIDED	
CMPWU04	414.55	416.00	1.45	1.42	CLAYSTONE, BROWN, SLICKENSIDED	
CMPWU04	416.00	419.00	3.00	3.00	SHALE, VARIEGATED, CLAYEY	
CMPWU04	419.00	422.00	3.00	3.00	SHALE, VARIEGATED, CLAYEY	
CMPWU04	422.00	425.00	3.00	3.00	CLAYSTONE, BROWN, OVER TOP, FRACTURE	
CMPWU04	425.00	425.31	0.31	0.31	CLAYSTONE, BROWN, SANDY	
CMPWU04	425.31	426.07	0.76	0.76	SANDSTONE(FINE GRAINED), GREY	
CMPWU04	426.07	428.00	1.93	1.92	CLAYSTONE, BROWN, OVER BASE, SLICKENSIDED	
CMPWU04	428.00	429.45	1.45	1.45	CLAYSTONE, BROWN, AT PLACES, FRACTURE	
CMPWU04	429.45	430.33	0.88	0.88	INT. CLAY AND SANDSTONE, GREY	
CMPWU04	430.33	431.00	0.67	0.67	SANDSTONE(FINE GRAINED), GREY	
CMPWU04	431.00	431.20	0.20	0.18	SANDSTONE(FINE GRAINED), GREY	
CMPWU04	431.20	434.00	2.80	2.80	SHALE, VARIEGATED, CLAYEY, FRACTURE	
CMPWU04	434.00	435.38	1.38	1.38	CLAY, BROWN, FRACTURE	
CMPWU04	435.38	436.07	0.69	0.69	SHALE, VARIEGATED, FRACTURE	
CMPWU04	436.07	436.85	0.78	0.78	INT. CLAY AND SANDSTONE, GREY	
CMPWU04	436.85	437.00	0.15	0.15	SHALE, VARIEGATED, SLICKENSIDED	
CMPWU04	437.00	437.23	0.23	0.22	SHALE, VARIEGATED, FRACTURE	
CMPWU04	437.23	439.58	2.35	2.35	ALTERNATING SST AND SHALE, VARIEGATED	
CMPWU04	439.58	440.00	0.42	0.42	SANDY SHALE, GREY, FRACTURE	
CMPWU04	440.00	441.65	1.65	1.65	SANDY SHALE, GREY, FRACTURE	
CMPWU04	441.65	441.96	0.31	0.31	SHALE, VARIEGATED	
CMPWU04	441.96	442.10	0.14	0.14	CARB SHALE HIGH, BROWN	
CMPWU04	442.10	443.00	0.90	0.90	SANDSTONE(FINE GRAINED), GREY	
CMPWU04	443.00	445.00	2.00	2.00	INT. SANDSTONE = SHALE, GREY	
CMPWU04	445.00	446.00	1.00	0.99	ALTERNATING SST AND SHALE, GREY	
CMPWU04	446.00	446.41	0.41	0.41	SANDY SHALE, GREY, OVER MIDDLE, FRACTURE	
CMPWU04	446.41	446.68	0.27	0.27	SHALE, GREY	
CMPWU04	446.68	446.78	0.10	0.09	CARB SHALE HIGH, BROWN	
CMPWU04	446.78	447.36	0.58	0.58	SANDY SHALE, GREY	
CMPWU04	447.36	449.00	1.64	1.64	ALTERNATING SST AND SHALE, GREY	
CMPWU04	449.00	449.45	0.45	0.45	ALTERNATING SST AND SHALE, GREY	
CMPWU04	449.45	449.65	0.20	0.20	SHALE, GREY	
CMPWU04	449.65	449.82	0.17	0.17	CARB SHALE HIGH, DARK GREY	
CMPWU04	449.82	450.64	0.82	0.82	SANDY SHALE, GREY, COALY, OVER BASE	
CMPWU04	450.64	452.00	1.36	1.36	SANDSTONE(FINE TO MEDIUM GRAINED), GREY	
CMPWU04	452.00	452.80	0.80	0.80	SANDSTONE(MED. TO C. GRAINED), GREY	
CMPWU04	452.80	454.34	1.54	1.54	ALTERNATING SST AND SHALE, GREY	
CMPWU04	454.34	454.71	0.37	0.37	SHALE, VARIEGATED	
CMPWU04	454.71	454.84	0.13	0.12	SHALE, BROWN	
CMPWU04	454.84	455.00	0.16	0.14	CARB SHALE HIGH, BROWN	

DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED  
EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
<b>CMPWU04</b>	<b>455.00</b>	<b>455.83</b>	<b>0.83</b>	<b>0.80</b>	<b>COAL SEAM</b>	<b>IA</b>
CMPWU04	455.83	456.10	0.27	0.27	SANDY SHALE, GREY	
CMPWU04	456.10	456.80	0.70	0.70	SANDSTONE(FINE GRAINED), GREY	
CMPWU04	456.80	457.52	0.72	0.72	SANDY SHALE, GREY	
CMPWU04	457.52	457.90	0.38	0.36	SHALE, VARIEGATED, SLICKENSIDED	
<b>CMPWU04</b>	<b>457.90</b>	<b>459.85</b>	<b>1.95</b>	<b>1.95</b>	<b>COAL SEAM</b>	<b>IB</b>
CMPWU04	459.85	460.12	0.27	0.27	CARB SHALE HIGH, BROWN	
CMPWU04	460.12	460.25	0.13	0.13	SHALY COAL, BROWN	
CMPWU04	460.25	460.38	0.13	0.13	SHALY COAL, BROWN	
CMPWU04	460.38	460.65	0.27	0.27	SHALE, GREY	
CMPWU04	460.65	460.73	0.08	0.08	COAL, BROWN	
CMPWU04	460.73	461.00	0.27	0.27	SHALE, GREY	
<b>CMPWU04</b>	<b>461.00</b>	<b>463.57</b>	<b>2.57</b>	<b>2.56</b>	<b>COAL SEAM</b>	<b>IC</b>
CMPWU04	463.57	464.00	0.43	0.43	ALTERNATING SST AND SHALE, GREY	
CMPWU04	464.00	466.56	2.56	2.56	ALTERNATING SST AND SHALE, GREY	
CMPWU04	466.56	466.85	0.29	0.27	SHALE, GREY	
CMPWU04	466.85	467.00	0.15	0.15	SANDSTONE(FINE GRAINED), GREY	
CMPWU04	467.00	467.08	0.08	0.08	SANDSTONE(FINE GRAINED), GREY	
CMPWU04	467.08	467.70	0.62	0.62	ALTERNATING SST AND SHALE, GREY	
CMPWU04	467.70	467.76	0.06	0.06	COAL, BROWN	
CMPWU04	467.76	467.88	0.12	0.12	CARB SHALE HIGH, BROWN	
CMPWU04	467.88	468.58	0.70	0.70	ALTERNATING SST AND SHALE, GREY	
CMPWU04	468.58	468.74	0.16	0.16	SHALE, GREY	
<b>CMPWU04</b>	<b>468.74</b>	<b>471.74</b>	<b>3.00</b>	<b>3.00</b>	<b>COAL SEAM</b>	<b>IIA</b>
CMPWU04	471.74	473.00	1.26	1.26	SANDY SHALE, GREY	
CMPWU04	473.00	474.00	1.00	1.00	ALTERNATING SST AND SHALE, GREY	
CMPWU04	474.00	474.55	0.55	0.55	SANDY SHALE, GREY	
<b>CMPWU04</b>	<b>474.55</b>	<b>476.47</b>	<b>1.92</b>	<b>1.92</b>	<b>COAL SEAM</b>	<b>IIB</b>
CMPWU04	476.47	476.57	0.10	0.10	SANDY SHALE, GREY	
CMPWU04	476.57	476.74	0.17	0.17	SHALE, GREY	
CMPWU04	476.74	477.00	0.26	0.26	COAL, BROWN	
CMPWU04	477.00	477.82	0.82	0.82	ALTERNATING SST AND SHALE, GREY	
CMPWU04	477.82	479.00	1.18	1.18	SANDSTONE(FINE GRAINED), GREY	
CMPWU04	479.00	479.02	0.02	0.02	SANDY SHALE, GREY	
CMPWU04	479.02	479.98	0.96	0.96	COAL, BROWN, FRACTURE	
CMPWU04	479.98	480.18	0.20	0.20	ALTERNATING SST AND SHALE, GREY	
CMPWU04	480.18	480.27	0.09	0.09	COAL, BROWN	
CMPWU04	480.27	482.00	1.73	1.73	SANDSTONE(FINE GRAINED), GREY	
CMPWU04	482.00	482.57	0.57	0.57	SANDSTONE(FINE TO MEDIUM GRAINED), GREY	
CMPWU04	482.57	483.33	0.76	0.76	ALTERNATING SST AND SHALE, GREY	
CMPWU04	483.33	483.63	0.30	0.30	COAL, BROWN, FRACTURE	
CMPWU04	483.63	484.63	1.00	1.00	SANDY SHALE, GREY	
CMPWU04	484.63	485.00	0.37	0.37	ALTERNATING SST AND SHALE, GREY	
CMPWU04	485.00	486.10	1.10	1.10	SANDY SHALE, GREY, FRACTURE	
<b>CMPWU04</b>	<b>486.10</b>	<b>488.92</b>	<b>2.82</b>	<b>2.82</b>	<b>COAL SEAM</b>	<b>III</b>
CMPWU04	488.92	489.04	0.12	0.12	SANDY SHALE, GREY	
CMPWU04	489.04	491.00	1.96	1.96	ALTERNATING SST AND SHALE, GREY, FRACTURE	
CMPWU04	491.00	494.00	3.00	3.00	SANDSTONE(FINE GRAINED), GREY, COALY, OVER TOP	
CMPWU04	494.00	494.73	0.73	0.73	SANDSTONE(FINE GRAINED), GREY, COALY	
CMPWU04	494.73	494.91	0.18	0.18	SHALE, GREY	
<b>CMPWU04</b>	<b>494.91</b>	<b>499.20</b>	<b>4.29</b>	<b>4.29</b>	<b>COAL SEAM</b>	<b>IV</b>
CMPWU04	499.20	499.84	0.64	0.64	ALTERNATING SST AND SHALE, GREY	

DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU04	499.84	500.00	0.16	0.16	SANDSTONE(FINE GRAINED), GREY	
CMPWU04	500.00	500.88	0.88	0.88	SANDSTONE(FINE GRAINED), GREY, COALY, OVER BASE	
CMPWU04	500.88	501.21	0.33	0.33	ALTERNATING SST AND SHALE, GREY	
CMPWU04	501.21	501.67	0.46	0.46	SANDSTONE(FINE GRAINED), GREY	
CMPWU04	501.67	503.00	1.33	1.33	ALTERNATING SST AND SHALE, GREY	
CMPWU04	503.00	503.81	0.81	0.81	SANDSTONE(FINE GRAINED), GREY, COALY, OVER TOP	
CMPWU04	503.81	505.08	1.27	1.27	ALTERNATING SST AND SHALE, GREY	
<b>CMPWU04</b>	<b>505.08</b>	<b>506.43</b>	<b>1.35</b>	<b>1.35</b>	<b>COAL SEAM</b>	<b>VA</b>
CMPWU04	506.43	506.63	0.20	0.20	SHALE, GREY	
CMPWU04	506.63	507.32	0.69	0.69	SANDY SHALE, GREY	
CMPWU04	507.32	507.48	0.16	0.16	COAL, BROWN	
CMPWU04	507.48	508.55	1.07	1.07	ALTERNATING SST AND SHALE, GREY	
<b>CMPWU04</b>	<b>508.55</b>	<b>508.76</b>	<b>0.21</b>	<b>0.21</b>	<b>COAL SEAM</b>	<b>VB</b>
CMPWU04	508.76	509.00	0.24	0.24	ALTERNATING SST AND SHALE, GREY	
CMPWU04	509.00	509.49	0.49	0.49	ALTERNATING SST AND SHALE, GREY	
CMPWU04	509.49	510.07	0.58	0.58	SANDSTONE(FINE GRAINED), GREY	
CMPWU04	510.07	511.18	1.11	1.11	ALTERNATING SST AND SHALE, GREY	
CMPWU04	511.18	512.00	0.82	0.82	ALTERNATING SST AND SHALE, GREY	
CMPWU04	512.00	512.15	0.15	0.13	ALTERNATING SST AND SHALE, GREY	
CMPWU04	512.15	515.00	2.85	2.85	SANDSTONE(FINE GRAINED), GREY, SHALY, ALL OVER	
<b>1719.447 DEPARTURE: 2468101.366</b>						
CMPWU05	0.00	0.61	0.61	0.39	SOIL, BROWN	
CMPWU05	0.61	2.00	1.39	1.24	BASALT, GREY, WEATHERED, FRACTURE	
CMPWU05	2.00	3.00	1.00	0.85	BASALT, GREY, CLAYEY, OVER TOP	
CMPWU05	3.00	5.00	2.00	1.95	BASALT, GREY	
CMPWU05	5.00	8.00	3.00	2.90	BASALT, GREY, BROKEN CORE, AT PLACES	
CMPWU05	8.00	11.00	3.00	3.00	BASALT, GREY, OVER MIDDLE, FRACTURE	
CMPWU05	11.00	12.00	1.00	0.94	BASALT, GREY	
CMPWU05	12.00	14.00	2.00	1.92	BASALT, GREY	
CMPWU05	14.00	17.00	3.00	3.00	BASALT, GREY	
CMPWU05	17.00	20.00	3.00	2.99	BASALT, GREY	
CMPWU05	20.00	21.00	1.00	1.00	BASALT, GREY	
CMPWU05	21.00	23.00	2.00	1.96	CLAYSTONE, BROWN, ALL OVER, FRACTURE	
CMPWU05	23.00	23.90	0.90	0.90	CLAYSTONE, BROWN, BROKEN CORE, ALL OVER	
CMPWU05	23.90	26.00	2.10	2.10	BASALT, GREY, AT PLACES	
CMPWU05	26.00	29.00	3.00	2.97	BASALT, GREY, AT PLACES	
CMPWU05	29.00	32.00	3.00	2.98	BASALT, GREY	
CMPWU05	32.00	35.00	3.00	3.00	BASALT, GREY	
CMPWU05	35.00	38.00	3.00	2.97	BASALT, GREY	
CMPWU05	38.00	41.00	3.00	2.92	BASALT, GREY	
CMPWU05	41.00	44.00	3.00	2.96	BASALT, GREY	
CMPWU05	44.00	47.00	3.00	2.92	BASALT, GREY	
CMPWU05	47.00	48.93	1.93	1.93	BASALT, GREY	
CMPWU05	48.93	50.00	1.07	1.07	CLAYSTONE, BROWN, BROKEN CORE, ALL OVER	
CMPWU05	50.00	51.89	1.89	1.73	CLAYSTONE, BROWN, BROKEN CORE, ALL OVER	
CMPWU05	51.89	53.00	1.11	1.11	BASALT, GREY	
CMPWU05	53.00	56.00	3.00	2.99	BASALT, GREY, FRACTURE	
CMPWU05	56.00	59.00	3.00	2.99	BASALT, GREY	
CMPWU05	59.00	62.00	3.00	2.93	BASALT, GREY	
CMPWU05	62.00	65.00	3.00	2.78	BASALT, GREY	
CMPWU05	65.00	68.00	3.00	3.00	BASALT, GREY	
CMPWU05	68.00	71.00	3.00	2.93	BASALT, GREY	

DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED  
EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU05	71.00	74.00	3.00	2.93	BASALT, GREY	
CMPWU05	74.00	77.00	3.00	2.40	BASALT, GREY	
CMPWU05	77.00	80.00	3.00	3.00	BASALT, GREY	
CMPWU05	80.00	83.00	3.00	3.00	BASALT, GREY, OVER TOP, FRACTURE	
CMPWU05	83.00	86.00	3.00	2.93	BASALT, GREY	
CMPWU05	86.00	89.00	3.00	2.94	BASALT, GREY	
CMPWU05	89.00	92.00	3.00	2.88	BASALT, GREY, BROKEN CORE, AT PLACES	
CMPWU05	92.00	95.00	3.00	2.96	BASALT, GREY	
CMPWU05	95.00	98.00	3.00	3.00	BASALT, GREY	
CMPWU05	98.00	101.00	3.00	3.00	BASALT, GREY	
CMPWU05	101.00	104.00	3.00	3.00	BASALT, GREY	
CMPWU05	104.00	107.00	3.00	2.89	BASALT, GREY	
CMPWU05	107.00	110.00	3.00	3.00	BASALT, GREY	
CMPWU05	110.00	113.00	3.00	3.00	BASALT, GREY	
CMPWU05	113.00	116.00	3.00	3.00	BASALT, GREY	
CMPWU05	116.00	119.00	3.00	3.00	BASALT, GREY, FRACTURE	
CMPWU05	119.00	122.00	3.00	2.99	BASALT, GREY, FRACTURE	
CMPWU05	122.00	124.10	2.10	2.10	BASALT, GREY, FRACTURE	
CMPWU05	124.10	125.00	0.90	0.90	CLAYSTONE, BROWN, BROKEN CORE, ALL OVER	
CMPWU05	125.00	125.11	0.11	0.08	CLAYSTONE, BROWN, BROKEN CORE, ALL OVER	
CMPWU05	125.11	128.00	2.89	2.89	BASALT, GREY	
CMPWU05	128.00	131.00	3.00	2.86	BASALT, GREY	
CMPWU05	131.00	134.00	3.00	2.98	BASALT, GREY	
CMPWU05	134.00	137.00	3.00	3.00	BASALT, GREY	
CMPWU05	137.00	140.00	3.00	2.97	BASALT, GREY	
CMPWU05	140.00	143.00	3.00	3.00	BASALT, GREY	
CMPWU05	143.00	146.00	3.00	2.94	BASALT, GREY	
CMPWU05	146.00	149.00	3.00	2.90	BASALT, GREY	
CMPWU05	149.00	152.00	3.00	2.97	BASALT, GREY	
CMPWU05	152.00	155.00	3.00	2.86	BASALT, GREY	
CMPWU05	155.00	158.00	3.00	2.95	BASALT, GREY	
CMPWU05	158.00	161.00	3.00	2.88	BASALT, GREY	
CMPWU05	161.00	164.00	3.00	2.98	BASALT, GREY	
CMPWU05	164.00	167.00	3.00	3.00	BASALT, GREY, FRACTURE	
CMPWU05	167.00	168.48	1.48	1.48	BASALT, GREY, FRACTURE	
CMPWU05	168.48	170.00	1.52	1.52	CLAYSTONE, BROWN, BROKEN CORE, ALL OVER	
CMPWU05	170.00	170.68	0.68	0.68	CLAYSTONE, BROWN, BROKEN CORE	
CMPWU05	170.68	173.00	2.32	2.32	BASALT, GREY	
CMPWU05	173.00	176.00	3.00	3.00	BASALT, GREY	
CMPWU05	176.00	179.00	3.00	3.00	BASALT, GREY	
CMPWU05	179.00	182.00	3.00	3.00	BASALT, GREY	
CMPWU05	182.00	185.00	3.00	2.95	BASALT, GREY	
CMPWU05	185.00	186.20	1.20	1.20	BASALT, GREY	
CMPWU05	186.20	188.00	1.80	1.80	CLAYSTONE, BROWN, BROKEN CORE	
CMPWU05	188.00	191.00	3.00	3.00	CLAYSTONE, BROWN, BROKEN CORE	
CMPWU05	191.00	191.73	0.73	0.73	CLAYSTONE, BROWN, BROKEN CORE	
CMPWU05	191.73	192.73	1.00	1.00	CLAYSTONE, BROWNEBBLY	
CMPWU05	192.73	194.00	1.27	1.25	CLAYSTONE, BROWNEBBLY, OVER BASE	
CMPWU05	194.00	194.39	0.39	0.39	CLAYSTONE, BROWNEBBLY, OVER TOP	
CMPWU05	194.39	194.66	0.27	0.27	SANDSTONE(FINE GRAINED), GREY	
CMPWU05	194.66	197.00	2.34	2.34	SANDSTONE(FINE TO COARSE GRAINED), GREY, CLAYEY, AT PLACES	
CMPWU05	197.00	200.00	3.00	3.00	SANDSTONE(MEDIUM GRAINED), GREY	



**DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.**

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU05	200.00	200.86	0.86	0.86	SANDSTONE(COARSE GRAINED), GREY	
CMPWU05	200.86	201.06	0.20	0.20	CLAYSTONE, BROWNEBBLY	
CMPWU05	201.06	201.22	0.16	0.16	SANDSTONE(COARSE GRAINED), GREY	
CMPWU05	201.22	203.00	1.78	1.78	SANDSTONE(FINE GRAINED), GREY	
CMPWU05	203.00	206.00	3.00	2.98	SANDSTONE(MED. TO C. GRAINED), GREYEBBLY, ALL OVER	
CMPWU05	206.00	206.39	0.39	0.39	SANDSTONE(COARSE GRAINED), GREYEBBLY, ALL OVER	
CMPWU05	206.39	207.08	0.69	0.69	SANDSTONE(MED. TO C. GRAINED), GREY, CLAYEY	
CMPWU05	207.08	209.00	1.92	1.90	INT. CLAY AND SANDSTONE, BROWN	
CMPWU05	209.00	210.48	1.48	1.48	INT. CLAY AND SANDSTONE, BROWN	
CMPWU05	210.48	210.87	0.39	0.39	CLAYSTONE, BROWN, BROKEN CORE	
CMPWU05	210.87	212.00	1.13	1.13	SANDSTONE(FINE TO MEDIUM GRAINED), VARIEGATED	
CMPWU05	212.00	215.00	3.00	3.00	SANDSTONE(MEDIUM GRAINED), VARIEGATED, CLAYEY, ALL OVER	
CMPWU05	215.00	218.00	3.00	2.99	SANDSTONE(MEDIUM GRAINED), GREY	
CMPWU05	218.00	219.95	1.95	1.94	SANDSTONE(MED. TO C. GRAINED), GREY	
CMPWU05	219.95	220.72	0.77	0.77	SANDSTONE(FINE GRAINED), GREY	
CMPWU05	220.72	220.93	0.21	0.21	SANDSTONE(MEDIUM GRAINED), GREY	
CMPWU05	220.93	221.00	0.07	0.07	CLAYSTONE, BROWN	
CMPWU05	221.00	221.70	0.70	0.70	CLAYSTONE, VARIEGATED	
CMPWU05	221.70	222.20	0.50	0.50	SANDSTONE(FINE GRAINED), GREY	
CMPWU05	222.20	223.50	1.30	1.30	CLAYSTONE, VARIEGATED	
CMPWU05	223.50	224.00	0.50	0.50	CLAYSTONE, VARIEGATED	
CMPWU05	224.00	225.70	1.70	1.70	CLAYSTONE, VARIEGATED	
CMPWU05	225.70	227.00	1.30	1.30	CLAYSTONE, VARIEGATED	
CMPWU05	227.00	228.23	1.23	1.23	SANDSTONE(FINE GRAINED), VARIEGATED	
CMPWU05	228.23	228.75	0.52	0.52	CLAYSTONE, VARIEGATED	
CMPWU05	228.75	230.00	1.25	1.25	SANDSTONE(MEDIUM GRAINED), VARIEGATED	
CMPWU05	230.00	230.66	0.66	0.66	SANDSTONE(COARSE GRAINED), GREY, BROKEN CORE	
CMPWU05	230.66	231.56	0.90	0.90	CLAYSTONE, VARIEGATED	
CMPWU05	231.56	232.03	0.47	0.47	SANDSTONE(FINE GRAINED), GREY	
CMPWU05	232.03	233.00	0.97	0.96	CLAYSTONE, BROWN	
CMPWU05	233.00	233.40	0.40	0.39	CLAYSTONE, VARIEGATED	
CMPWU05	233.40	236.00	2.60	2.60	SANDSTONE(COARSE GRAINED), VARIEGATED	
CMPWU05	236.00	236.15	0.15	0.15	SANDSTONE(COARSE GRAINED), VARIEGATED	
CMPWU05	236.15	239.00	2.85	2.85	CLAYSTONE, BROWN	
CMPWU05	239.00	239.57	0.57	0.57	CLAYSTONE, BROWN	
CMPWU05	239.57	240.57	1.00	1.00	SANDSTONE(FINE GRAINED), GREY	
CMPWU05	240.57	242.00	1.43	1.43	CLAYSTONE, BROWN, SANDY, AT PLACES	
CMPWU05	242.00	242.20	0.20	0.19	CLAYSTONE, VARIEGATED, SANDY, AT PLACES	
CMPWU05	242.20	245.00	2.80	2.80	SANDSTONE(FINE GRAINED), VARIEGATED, CLAYEY, AT PLACES	
CMPWU05	245.00	248.00	3.00	3.00	SANDSTONE(MED. TO C. GRAINED), VARIEGATED, BROKEN CORE	
CMPWU05	248.00	248.20	0.20	0.20	SANDSTONE(MEDIUM GRAINED), VARIEGATED	
CMPWU05	248.20	249.93	1.73	1.73	CLAYSTONE, BROWN	
CMPWU05	249.93	251.00	1.07	1.07	SANDSTONE(MED. TO C. GRAINED), VARIEGATED, CLAYEY	
CMPWU05	251.00	253.26	2.26	2.26	SANDSTONE(MED. TO C. GRAINED), VARIEGATED	
CMPWU05	253.26	254.00	0.74	0.74	SHALY SANDSTONE, GREY, SANDY, OVER BASE	
CMPWU05	254.00	257.00	3.00	3.00	SANDY SHALE, VARIEGATED, CLAYEY, OVER BASE	
CMPWU05	257.00	260.00	3.00	3.00	SHALE, VARIEGATED, BROKEN CORE	
CMPWU05	260.00	260.98	0.98	0.98	SHALE, VARIEGATED	
CMPWU05	260.98	261.95	0.97	0.97	SANDY SHALE, GREY	

**DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.**

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU05	261.95	263.00	1.05	1.05	SANDSTONE(FINE GRAINED), GREY	
CMPWU05	263.00	263.07	0.07	0.07	SANDSTONE(FINE GRAINED), GREY	
CMPWU05	263.07	263.67	0.60	0.60	CLAYSTONE, BROWN	
CMPWU05	263.67	264.27	0.60	0.60	SANDSTONE(FINE GRAINED), VARIEGATED	
CMPWU05	264.27	266.00	1.73	1.73	CLAYSTONE, BROWN, BROKEN CORE	
CMPWU05	266.00	267.00	1.00	1.00	CLAYSTONE, BROWN, BROKEN CORE	
CMPWU05	267.00	267.79	0.79	0.79	SHALE, GREY	
CMPWU05	267.79	269.00	1.21	1.21	SANDSTONE(FINE GRAINED), GREY	
CMPWU05	269.00	272.00	3.00	3.00	SANDSTONE(MED. TO C. GRAINED), GREY	
CMPWU05	272.00	275.00	3.00	3.00	SANDSTONE(COARSE GRAINED), GREY	
CMPWU05	275.00	275.92	0.92	0.92	SANDSTONE(COARSE GRAINED), GREY, BROKEN CORE	
CMPWU05	275.92	276.31	0.39	0.39	SHALE, GREY	
CMPWU05	276.31	277.13	0.82	0.82	SANDY SHALE, VARIEGATED	
CMPWU05	277.13	277.87	0.74	0.74	SANDY SHALE, VARIEGATED	
CMPWU05	277.87	278.00	0.13	0.13	SANDY SHALE, VARIEGATED	
CMPWU05	278.00	278.46	0.46	0.46	SANDY SHALE, VARIEGATED	
CMPWU05	278.46	279.17	0.71	0.71	SHALY SANDSTONE, VARIEGATED	
CMPWU05	279.17	280.57	1.40	1.40	CLAYSTONE, VARIEGATED	
CMPWU05	280.57	281.00	0.43	0.43	SHALY SANDSTONE, VARIEGATED	
CMPWU05	281.00	283.90	2.90	2.90	SANDSTONE(MEDIUM GRAINED), GREY, SHALY, AT PLACES	
CMPWU05	283.90	284.00	0.10	0.10	CLAYSTONE, BROWN, BROKEN CORE	
CMPWU05	284.00	287.00	3.00	2.99	CLAYSTONE, BROWN	
CMPWU05	287.00	287.34	0.34	0.34	SHALE, GREY	
CMPWU05	287.34	290.00	2.66	2.66	SANDSTONE(MEDIUM GRAINED), GREY	
CMPWU05	290.00	292.39	2.39	2.39	SANDSTONE(MEDIUM GRAINED), GREY	
CMPWU05	292.39	293.00	0.61	0.61	SHALE, VARIEGATED	
CMPWU05	293.00	294.00	1.00	1.00	CLAYSTONE, BROWN, SANDY	
CMPWU05	294.00	296.00	2.00	2.00	SANDSTONE(MEDIUM GRAINED), GREY	
CMPWU05	296.00	296.62	0.62	0.61	SANDSTONE(MEDIUM GRAINED), GREY	
CMPWU05	296.62	297.44	0.82	0.82	SHALE, GREY	
CMPWU05	297.44	298.27	0.83	0.83	SANDSTONE(MEDIUM GRAINED), GREY	
CMPWU05	298.27	299.00	0.73	0.73	CLAYSTONE, BROWN	
CMPWU05	299.00	299.80	0.80	0.79	CLAYSTONE, BROWN	
CMPWU05	299.80	300.19	0.39	0.39	SANDSTONE(FINE GRAINED), GREY	
CMPWU05	300.19	301.05	0.86	0.85	CLAYSTONE, BROWN	
CMPWU05	301.05	301.24	0.19	0.19	SANDSTONE(FINE GRAINED), GREY	
CMPWU05	301.24	302.00	0.76	0.76	CLAYSTONE, BROWN	
CMPWU05	302.00	302.33	0.33	0.33	CLAYSTONE, BROWN	
CMPWU05	302.33	303.60	1.27	1.27	SHALE, GREY	
CMPWU05	303.60	305.00	1.40	1.40	SHALE, GREY	
CMPWU05	305.00	308.00	3.00	3.00	SHALE, GREY	
CMPWU05	308.00	310.88	2.88	2.88	SHALE, GREY	
CMPWU05	310.88	311.00	0.12	0.12	SHALE, GREY	
CMPWU05	311.00	311.26	0.26	0.26	SANDSTONE(FINE GRAINED), GREY	
CMPWU05	311.26	311.98	0.72	0.72	SANDY SHALE, GREY	
CMPWU05	311.98	312.11	0.13	0.13	SANDSTONE(FINE GRAINED), GREY	
CMPWU05	312.11	312.31	0.20	0.20	SHALE, GREY	
CMPWU05	312.31	314.00	1.69	1.69	SHALY SANDSTONE, GREY	
CMPWU05	314.00	316.03	2.03	2.03	SANDSTONE(FINE GRAINED), GREY	
CMPWU05	316.03	317.00	0.97	0.97	SHALE, GREY	
CMPWU05	317.00	318.74	1.74	1.74	CLAYSTONE, VARIEGATED	
CMPWU05	318.74	320.00	1.26	1.26	CLAYSTONE, BROWN	

**DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.**

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU05	320.00	322.27	2.27	2.27	CLAYSTONE, VARIEGATED	
CMPWU05	322.27	322.66	0.39	0.39	SHALE, VARIEGATED	
CMPWU05	322.66	323.00	0.34	0.34	CLAYSTONE, VARIEGATED	
CMPWU05	323.00	326.00	3.00	2.99	CLAYSTONE, VARIEGATED, SLICKENSIDED	
CMPWU05	326.00	329.00	3.00	3.00	CLAYSTONE, VARIEGATED, SLICKENSIDED	
CMPWU05	329.00	332.00	3.00	2.99	CLAYSTONE, BROWN, SLICKENSIDED	
CMPWU05	332.00	334.29	2.29	2.29	CLAYSTONE, BROWN, SLICKENSIDED	
CMPWU05	334.29	335.00	0.71	0.71	SANDSTONE(FINE GRAINED), GREY	
CMPWU05	335.00	335.14	0.14	0.14	SANDSTONE(FINE GRAINED), GREY	
CMPWU05	335.14	337.12	1.98	1.98	CLAYSTONE, GREY, SLICKENSIDED	
CMPWU05	337.12	338.00	0.88	0.88	CLAYSTONE, VARIEGATED	
CMPWU05	338.00	338.31	0.31	0.31	CLAYSTONE, VARIEGATED	
CMPWU05	338.31	339.29	0.98	0.98	SANDSTONE(MEDIUM GRAINED), GREY	
CMPWU05	339.29	341.00	1.71	1.70	CLAYSTONE, VARIEGATED	
CMPWU05	341.00	343.60	2.60	2.60	CLAYSTONE, VARIEGATED, SLICKENSIDED	
CMPWU05	343.60	344.00	0.40	0.40	SANDY SHALE, GREY	
CMPWU05	344.00	344.43	0.43	0.43	SANDY SHALE, GREY, CLAYEY, OVER BASE	
CMPWU05	344.43	345.27	0.84	0.84	CLAYSTONE, VARIEGATED	
CMPWU05	345.27	347.00	1.73	1.72	CLAYSTONE, VARIEGATED	
CMPWU05	347.00	347.31	0.31	0.31	SANDSTONE(FINE GRAINED), GREY	
CMPWU05	347.31	350.00	2.69	2.69	CLAYSTONE, BROWN	
CMPWU05	350.00	353.00	3.00	3.00	CLAYSTONE, BROWN	
CMPWU05	353.00	354.40	1.40	1.40	SHALE, VARIEGATED	
CMPWU05	354.40	355.07	0.67	0.67	SANDSTONE(MEDIUM GRAINED), GREY	
CMPWU05	355.07	356.00	0.93	0.93	CLAYSTONE, VARIEGATED	
CMPWU05	356.00	356.87	0.87	0.86	CLAYSTONE, BROWN, SANDY	
CMPWU05	356.87	357.21	0.34	0.34	SANDSTONE(FINE GRAINED), GREY	
CMPWU05	357.21	359.00	1.79	1.79	SANDSTONE(MEDIUM GRAINED), GREY, SHALY, OVER BASE	
CMPWU05	359.00	362.00	3.00	2.99	CLAYSTONE, BROWN	
CMPWU05	362.00	364.68	2.68	2.68	CLAYSTONE, BROWN	
CMPWU05	364.68	365.00	0.32	0.32	SANDSTONE(FINE GRAINED), GREY	
CMPWU05	365.00	366.49	1.49	1.45	SANDSTONE(FINE GRAINED), GREY, SHALY, AT PLACES	
CMPWU05	366.49	367.18	0.69	0.65	CLAYSTONE, BROWN, SANDY, ALL OVER	
CMPWU05	367.18	368.00	0.82	0.81	SANDSTONE(FINE TO MEDIUM GRAINED), GREY, CLAYEY, AT PLACES	
CMPWU05	368.00	371.00	3.00	2.78	CLAYSTONE, BROWN, SANDY, OVER TOP, SLICKENSIDED	
CMPWU05	371.00	373.45	2.45	2.45	CLAYSTONE, VARIEGATED, SLICKENSIDED	
CMPWU05	373.45	374.00	0.55	0.55	SANDSTONE(FINE GRAINED), GREY, CLAYEY, AT PLACES	
CMPWU05	374.00	374.48	0.48	0.48	SANDSTONE(MEDIUM GRAINED), GREY, CLAYEY, AT PLACES	
CMPWU05	374.48	376.78	2.30	2.25	CLAYSTONE, BROWN, BROKEN CORE, SLICKENSIDED	
CMPWU05	376.78	377.00	0.22	0.22	SANDSTONE(FINE GRAINED), GREY	
CMPWU05	377.00	380.00	3.00	2.96	SANDSTONE(FINE GRAINED), VARIEGATED, CLAYEY, ALL OVER	
CMPWU05	380.00	383.00	3.00	2.92	CLAYSTONE, BROWN, BROKEN CORE, ALL OVER, SLICKENSIDED	
CMPWU05	383.00	386.00	3.00	2.91	CLAYSTONE, BROWN, SANDY, OVER MIDDLE	
CMPWU05	386.00	388.73	2.73	2.70	CLAYSTONE, VARIEGATED	
CMPWU05	388.73	389.00	0.27	0.27	SANDSTONE(MEDIUM GRAINED), GREY	
CMPWU05	389.00	391.61	2.61	2.59	SANDSTONE(MEDIUM GRAINED), GREY, CLAYEY, AT PLACES	
CMPWU05	391.61	392.00	0.39	0.39	SANDSTONE(COARSE GRAINED), GREY, CLAYEY, AT PLACES	
CMPWU05	392.00	392.15	0.15	0.15	SANDSTONE(COARSE GRAINED), GREY	
CMPWU05	392.15	393.99	1.84	1.78	CLAYSTONE, BROWN, SLICKENSIDED	
CMPWU05	393.99	394.24	0.25	0.25	SANDSTONE(MEDIUM GRAINED), GREY, CLAYEY, AT PLACES	

**DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.**

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU05	394.24	394.51	0.27	0.22	CLAYSTONE, BROWN, SANDY, AT PLACES	
CMPWU05	394.51	395.00	0.49	0.49	SANDSTONE(COARSE GRAINED), GREY, CLAYEY, OVER MIDDLE	
CMPWU05	395.00	397.10	2.10	2.08	CLAYSTONE, BROWN, SANDY, ALL OVER	
CMPWU05	397.10	398.00	0.90	0.90	SANDSTONE(FINE GRAINED), GREY	
CMPWU05	398.00	399.50	1.50	1.38	SANDSTONE(FINE GRAINED), GREY	
CMPWU05	399.50	401.00	1.50	0.65	CLAYSTONE, BROWN, SLICKENSIDED	
CMPWU05	401.00	401.85	0.85	0.85	CLAYSTONE, BROWN	
CMPWU05	401.85	403.07	1.22	1.20	SANDSTONE(FINE TO MEDIUM GRAINED), VARIEGATED, CLAYEY, AT PLACES	
CMPWU05	403.07	404.00	0.93	0.87	CLAYSTONE, BROWN, SLICKENSIDED	
CMPWU05	404.00	407.00	3.00	2.91	CLAYSTONE, VARIEGATED	
CMPWU05	407.00	409.00	2.00	1.96	CLAYSTONE, VARIEGATED	
CMPWU05	409.00	409.62	0.62	0.62	CLAYSTONE, BROWN, SANDY, ALL OVER	
CMPWU05	409.62	410.00	0.38	0.38	SANDSTONE(MEDIUM GRAINED), GREY	
CMPWU05	410.00	412.68	2.68	2.64	SANDSTONE(MEDIUM GRAINED), GREY, CLAYEY, AT PLACES	
CMPWU05	412.68	413.00	0.32	0.28	CLAYSTONE, BROWN	
CMPWU05	413.00	416.00	3.00	2.94	CLAYSTONE, VARIEGATED, SLICKENSIDED	
CMPWU05	416.00	417.28	1.28	1.20	CLAYSTONE, VARIEGATED, SLICKENSIDED	
CMPWU05	417.28	419.00	1.72	1.65	CLAYSTONE, BROWN, SANDY, AT PLACES	
CMPWU05	419.00	419.73	0.73	0.73	CLAYSTONE, BROWN	
CMPWU05	419.73	422.00	2.27	2.20	CLAYSTONE, BROWN, SLICKENSIDED	
CMPWU05	422.00	425.00	3.00	3.00	CLAYSTONE, BROWN, SLICKENSIDED	
CMPWU05	425.00	428.00	3.00	2.96	CLAYSTONE, BROWN, SANDY, OVER MIDDLE, SLICKENSIDED	
CMPWU05	428.00	431.00	3.00	2.96	CLAYSTONE, BROWN, SANDY, OVER MIDDLE	
CMPWU05	431.00	433.88	2.88	2.72	CLAYSTONE, BROWN, SLICKENSIDED	
CMPWU05	433.88	434.00	0.12	0.12	SANDSTONE(FINE GRAINED), GREY	
CMPWU05	434.00	437.00	3.00	2.42	SANDSTONE(FINE TO COARSE GRAINED), GREY	
CMPWU05	437.00	440.00	3.00	2.94	CLAYSTONE, VARIEGATED, SANDY, OVER MIDDLE	
CMPWU05	440.00	443.00	3.00	2.94	CLAYSTONE, BROWN, BROKEN CORE, ALL OVER	
CMPWU05	443.00	443.40	0.40	0.40	CLAYSTONE, BROWN, BROKEN CORE, ALL OVER	
CMPWU05	443.40	445.25	1.85	1.81	SANDSTONE(FINE GRAINED), GREY	
CMPWU05	445.25	446.00	0.75	0.75	CLAYSTONE, BROWN, SANDY, OVER BASE	
CMPWU05	446.00	449.00	3.00	2.93	CLAYSTONE, BROWN, SANDY	
CMPWU05	449.00	449.27	0.27	0.27	CLAYSTONE, BROWN	
CMPWU05	449.27	450.00	0.73	0.73	SANDSTONE(FINE GRAINED), GREY, CLAYEY	
CMPWU05	450.00	451.43	1.43	1.37	CLAYSTONE, BROWN, SANDY, AT PLACES	
CMPWU05	451.43	451.72	0.29	0.29	SANDSTONE(FINE GRAINED), BROWN, CLAYEY, AT PLACES	
CMPWU05	451.72	452.00	0.28	0.28	CLAYSTONE, BROWN	
CMPWU05	452.00	453.63	1.63	1.60	SANDSTONE(FINE GRAINED), GREY, CLAYEY, AT PLACES	
CMPWU05	453.63	454.31	0.68	0.66	SANDSTONE(MED. TO C. GRAINED), GREY	
CMPWU05	454.31	455.00	0.69	0.69	SANDSTONE(FINE GRAINED), GREY	
CMPWU05	455.00	455.40	0.40	0.40	SANDSTONE(FINE GRAINED), GREY, CLAYEY, AT PLACES	
CMPWU05	455.40	458.00	2.60	2.40	CLAYSTONE, BROWN, SANDY, AT PLACES	
CMPWU05	458.00	461.00	3.00	2.90	CLAYSTONE, BROWN, BROKEN CORE	
CMPWU05	461.00	464.00	3.00	2.96	CLAYSTONE, BROWN, BROKEN CORE, ALL OVER	
CMPWU05	464.00	466.48	2.48	2.43	CLAYSTONE, BROWN, SANDY, OVER BASE	
CMPWU05	466.48	467.00	0.52	0.52	SANDSTONE(FINE GRAINED), VARIEGATED	
CMPWU05	467.00	467.78	0.78	0.78	SANDSTONE(FINE TO MEDIUM GRAINED), GREY, CLAYEY, AT PLACES	
CMPWU05	467.78	470.00	2.22	2.16	CLAYSTONE, BROWN	
CMPWU05	470.00	473.00	3.00	2.96	CLAYSTONE, BROWN	
CMPWU05	473.00	473.91	0.91	0.83	CLAYSTONE, BROWN	

**DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.**

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU05	473.91	476.00	2.09	2.07	SANDSTONE(FINE TO MEDIUM GRAINED), GREY, CLAYEY, AT PLACES	
CMPWU05	476.00	478.66	2.66	2.60	CLAYSTONE, BROWN, SANDY, AT PLACES	
CMPWU05	478.66	479.00	0.34	0.34	SANDSTONE(FINE TO MEDIUM GRAINED), GREY	
CMPWU05	479.00	482.00	3.00	2.94	CLAYSTONE, BROWN, SANDY, OVER MIDDLE	
CMPWU05	482.00	484.06	2.06	2.00	CLAYSTONE, BROWN, SANDY, OVER MIDDLE	
CMPWU05	484.06	485.00	0.94	0.94	SANDSTONE(MEDIUM GRAINED), GREY, CLAYEY	
CMPWU05	485.00	488.00	3.00	2.88	SANDSTONE(FINE TO MEDIUM GRAINED), GREY, CLAYEY, AT PLACES	
CMPWU05	488.00	488.23	0.23	0.23	SANDSTONE(FINE TO MEDIUM GRAINED), GREY	
CMPWU05	488.23	491.00	2.77	2.71	CLAYSTONE, VARIEGATED	
CMPWU05	491.00	494.00	3.00	2.98	CLAYSTONE, VARIEGATED, SANDY, OVER MIDDLE	
CMPWU05	494.00	494.82	0.82	0.80	CLAYSTONE, BROWN	
CMPWU05	494.82	495.06	0.24	0.24	SANDSTONE(MEDIUM GRAINED), GREY	
CMPWU05	495.06	496.35	1.29	1.25	CLAYSTONE, BROWN	
CMPWU05	496.35	496.81	0.46	0.45	SANDSTONE(FINE GRAINED), GREY	
CMPWU05	496.81	497.00	0.19	0.18	CLAYSTONE, BROWN	
CMPWU05	497.00	499.79	2.79	2.75	CLAYSTONE, BROWN	
CMPWU05	499.79	500.00	0.21	0.21	SANDSTONE(MEDIUM GRAINED), GREY	
CMPWU05	500.00	500.04	0.04	0.04	SANDSTONE(FINE GRAINED), GREY	
CMPWU05	500.04	501.86	1.82	1.82	CLAYSTONE, BROWN	
CMPWU05	501.86	502.11	0.25	0.25	SANDSTONE(FINE GRAINED), GREY, CLAYEY, AT PLACES	
CMPWU05	502.11	502.63	0.52	0.52	CLAYSTONE, BROWN	
CMPWU05	502.63	503.00	0.37	0.37	CLAYSTONE, VARIEGATED, SANDY, ALL OVER	
CMPWU05	503.00	506.00	3.00	2.90	CLAYSTONE, BROWN, SANDY, AT PLACES	
CMPWU05	506.00	506.12	0.12	0.12	CLAYSTONE, BROWN	
CMPWU05	506.12	509.00	2.88	2.88	SANDSTONE(FINE TO MEDIUM GRAINED), GREY, CLAYEY, AT PLACES	
CMPWU05	509.00	509.35	0.35	0.35	CLAYSTONE, BROWN	
CMPWU05	509.35	509.56	0.21	0.21	SANDSTONE(FINE GRAINED), GREY	
CMPWU05	509.56	510.27	0.71	0.71	CLAYSTONE, BROWN, SANDY, OVER MIDDLE	
CMPWU05	510.27	510.94	0.67	0.67	SANDSTONE(COARSE TO V.C.GRAINED), VARIEGATEDDEBBLY, ALL OVER	
CMPWU05	510.94	511.40	0.46	0.46	CLAYSTONE, BROWN	
CMPWU05	511.40	512.00	0.60	0.60	SANDSTONE(FINE TO COARSE GRAINED), GREY	
CMPWU05	512.00	512.10	0.10	0.10	SANDSTONE(FINE GRAINED), GREY	
CMPWU05	512.10	515.00	2.90	2.90	CLAYSTONE, BROWN, SANDY, OVER BASE, FRACTURE	
CMPWU05	515.00	515.60	0.60	0.60	CLAYSTONE, BROWN, FRACTURE	
CMPWU05	515.60	515.76	0.16	0.16	SANDSTONE(V.FINE GRAINED), GREY	
CMPWU05	515.76	518.00	2.24	2.24	CLAYSTONE, BROWN, SANDY, OVER BASE, FRACTURE	
CMPWU05	518.00	521.00	3.00	3.00	CLAYSTONE, BROWN, SANDY, ALL OVER, FRACTURE	
CMPWU05	521.00	522.15	1.15	1.15	CLAYSTONE, BROWN, SANDY, ALL OVER, FRACTURE	
CMPWU05	522.15	522.29	0.14	0.14	SANDSTONE(V.FINE GRAINED), GREY	
CMPWU05	522.29	522.49	0.20	0.20	CLAYSTONE, VARIEGATED, FRACTURE	
CMPWU05	522.49	524.00	1.51	1.51	SANDSTONE(V.FINE GRAINED), BROWN, CLAYEY, OVER BASE	
CMPWU05	524.00	524.24	0.24	0.24	CLAYSTONE, BROWN, SANDY, AT PLACES	
CMPWU05	524.24	525.46	1.22	1.22	SANDSTONE(FINE TO COARSE GRAINED), GREY	
CMPWU05	525.46	526.01	0.55	0.55	CLAYSTONE, BROWN, SANDY	
CMPWU05	526.01	526.52	0.51	0.51	CLAYSTONE, BROWN, SANDY, ALL OVER, FRACTURE	
CMPWU05	526.52	526.68	0.16	0.16	SANDSTONE(FINE GRAINED), GREY	
CMPWU05	526.68	527.00	0.32	0.32	CLAYSTONE, BROWN	
CMPWU05	527.00	528.98	1.98	1.98	CLAYSTONE, BROWN, SANDY, ALL OVER, FRACTURE	
CMPWU05	528.98	529.25	0.27	0.27	SANDSTONE(V.FINE GRAINED), GREY, CLAYEY, OVER TOP	
CMPWU05	529.25	530.00	0.75	0.75	CLAYSTONE, BROWN, SANDY, OVER BASE, FRACTURE	

**DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.**

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU05	530.00	531.45	1.45	1.45	CLAYSTONE, BROWN, OVER TOP, FRACTURE	
CMPWU05	531.45	531.62	0.17	0.17	SANDSTONE(V.FINE GRAINED), GREY, CLAYEY, ALL OVER	
CMPWU05	531.62	533.00	1.38	1.34	CLAYSTONE, GREY, SANDY, OVER BASE, FRACTURE	
CMPWU05	533.00	534.28	1.28	1.24	CLAYSTONE, BROWN	
CMPWU05	534.28	535.36	1.08	1.07	CLAYSTONE, BROWN, SANDY, AT PLACES	
CMPWU05	535.36	536.00	0.64	0.64	SANDSTONE(V.F. TO FINE GRAINED), GREY	
CMPWU05	536.00	536.30	0.30	0.30	CLAYSTONE, VARIEGATED, SANDY	
CMPWU05	536.30	539.00	2.70	2.66	SANDSTONE(V.F. TO FINE GRAINED), GREY, CLAYEY, AT PLACES	
CMPWU05	539.00	539.27	0.27	0.27	SANDSTONE(V.FINE GRAINED), GREY, CLAYEY, ALL OVER	
CMPWU05	539.27	539.98	0.71	0.71	CLAYSTONE, BROWN, SANDY, AT PLACES	
CMPWU05	539.98	541.49	1.51	1.48	SANDSTONE(V.F. TO MEDIUM GRAINED), GREY, OVER BASE, FRACTURE	
CMPWU05	541.49	542.00	0.51	0.51	CLAYSTONE, BROWN, ALL OVER, FRACTURE	
CMPWU05	542.00	542.05	0.05	0.05	CLAYSTONE, BROWN	
CMPWU05	542.05	542.14	0.09	0.09	SANDSTONE(V.FINE GRAINED), GREY	
CMPWU05	542.14	542.49	0.35	0.35	INT. CLAY AND SANDSTONE, VARIEGATED	
CMPWU05	542.49	542.89	0.40	0.40	SANDSTONE(FINE GRAINED), GREY, CLAYEY, ALL OVER	
CMPWU05	542.89	543.06	0.17	0.17	CLAYSTONE, BROWN	
CMPWU05	543.06	544.35	1.29	1.26	SANDSTONE(FINE TO COARSE GRAINED), GREY	
CMPWU05	544.35	545.00	0.65	0.65	CLAYSTONE, BROWN, FRACTURE	
CMPWU05	545.00	548.00	3.00	2.98	CLAYSTONE, BROWN, SANDY, OVER MIDDLE, FRACTURE	
CMPWU05	548.00	551.00	3.00	2.96	CLAYSTONE, BROWN, SANDY, OVER BASE, FRACTURE	
CMPWU05	551.00	554.00	3.00	2.95	CLAYSTONE, BROWN, FRACTURE	
CMPWU05	554.00	556.25	2.25	2.25	CLAYSTONE, BROWN, FRACTURE	
CMPWU05	556.25	556.60	0.35	0.35	SANDSTONE(V.FINE GRAINED), GREY, CLAYEY, AT PLACES	
CMPWU05	556.60	557.00	0.40	0.40	CLAYSTONE, BROWN, FRACTURE	
CMPWU05	557.00	560.00	3.00	2.98	CLAYSTONE, BROWN, ALL OVER, FRACTURE	
CMPWU05	560.00	563.00	3.00	2.96	CLAYSTONE, BROWN, ALL OVER, FRACTURE	
CMPWU05	563.00	563.64	0.64	0.64	CLAYSTONE, BROWN, ALL OVER, FRACTURE	
CMPWU05	563.64	565.76	2.12	2.04	SANDSTONE(V.F. TO MEDIUM GRAINED), GREY	
CMPWU05	565.76	566.00	0.24	0.24	CLAYSTONE, BROWN, FRACTURE	
CMPWU05	566.00	566.81	0.81	0.79	CLAYSTONE, BROWN, ALL OVER, FRACTURE	
CMPWU05	566.81	567.05	0.24	0.24	SANDSTONE(V.FINE GRAINED), GREY	
CMPWU05	567.05	567.29	0.24	0.24	CLAYSTONE, BROWN	
CMPWU05	567.29	567.58	0.29	0.29	SANDSTONE(V.FINE GRAINED), GREY	
CMPWU05	567.58	568.00	0.42	0.42	INT. CLAY AND SANDSTONE, VARIEGATED	
CMPWU05	568.00	568.17	0.17	0.17	SHALY SANDSTONE, GREY	
CMPWU05	568.17	569.00	0.83	0.83	CLAYSTONE, BROWN, FRACTURE	
CMPWU05	569.00	571.07	2.07	1.99	CLAYSTONE, BROWN, ALL OVER, FRACTURE	
CMPWU05	571.07	571.55	0.48	0.48	INT. CLAY AND SANDSTONE, VARIEGATED	
CMPWU05	571.55	572.00	0.45	0.45	SANDSTONE(V.FINE GRAINED), GREY, CLAYEY, AT PLACES	
CMPWU05	572.00	572.54	0.54	0.54	INT. CLAY AND SANDSTONE, VARIEGATED, FRACTURE	
CMPWU05	572.54	572.98	0.44	0.44	CLAYSTONE, VARIEGATED	
CMPWU05	572.98	573.19	0.21	0.21	SANDSTONE(V.FINE GRAINED), GREY	
CMPWU05	573.19	574.02	0.83	0.83	SANDSTONE(V.F. TO FINE GRAINED), GREY	
CMPWU05	574.02	574.66	0.64	0.60	CLAYSTONE, BROWN, FRACTURE	
CMPWU05	574.66	574.91	0.25	0.25	SANDSTONE(V.FINE GRAINED), GREY, CLAYEY, AT PLACES	
CMPWU05	574.91	575.00	0.09	0.09	CLAYSTONE, BROWN	
CMPWU05	575.00	578.00	3.00	2.87	CLAYSTONE, BROWN, FRACTURE	
CMPWU05	578.00	580.38	2.38	2.33	CLAYSTONE, BROWN, FRACTURE	
CMPWU05	580.38	581.00	0.62	0.62	INT. CLAY AND SANDSTONE, VARIEGATED, CLAYEY, ALL OVER	

DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED  
EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU05	581.00	584.00	3.00	2.94	CLAYSTONE, BROWN, ALL OVER, FRACTURE	
CMPWU05	584.00	586.70	2.70	2.63	INT. CLAY AND SANDSTONE, VARIEGATED	
CMPWU05	586.70	587.00	0.30	0.30	SANDY SHALE, GREY	
CMPWU05	587.00	588.10	1.10	1.10	SANDY SHALE, GREY, CLAYEY, AT PLACES	
CMPWU05	588.10	590.00	1.90	1.90	INT. CLAY AND SANDSTONE, VARIEGATED, ALL OVER, FRACTURE	
CMPWU05	590.00	593.00	3.00	2.91	SHALE, GREY, ALL OVER, FRACTURE	
CMPWU05	593.00	596.00	3.00	2.89	SHALE, GREY, ALL OVER, FRACTURE	
CMPWU05	596.00	599.00	3.00	2.88	CLAYSTONE, VARIEGATED, SHALY, AT PLACES, FRACTURE	
CMPWU05	599.00	599.50	0.50	0.46	CLAYSTONE, BROWN, FRACTURE	
CMPWU05	599.50	601.40	1.90	1.88	SHALE, VARIEGATED, CLAYEY, AT PLACES, FRACTURE	
CMPWU05	601.40	602.00	0.60	0.60	SANDSTONE(V.FINE GRAINED), GREY	
CMPWU05	602.00	602.34	0.34	0.34	SANDSTONE(V.F. TO FINE GRAINED), GREY, CLAYEY, OVER BASE	
CMPWU05	602.34	605.00	2.66	2.65	CLAYSTONE, BROWN, SANDY, AT PLACES, FRACTURE	
CMPWU05	605.00	608.00	3.00	2.96	CLAYSTONE, BROWN, SANDY, ALL OVER	
CMPWU05	608.00	611.00	3.00	2.91	CLAYSTONE, VARIEGATED, SHALY, AT PLACES, FRACTURE	
CMPWU05	611.00	612.87	1.87	1.87	CLAYSTONE, BROWN, SANDY, ALL OVER	
CMPWU05	612.87	614.00	1.13	1.13	SANDSTONE(COARSE GRAINED), GREY, CLAYEY, OVER BASE	
CMPWU05	614.00	617.00	3.00	2.80	CLAYSTONE, BROWN, SHALY, AT PLACES, FRACTURE	
CMPWU05	617.00	619.40	2.40	2.40	SHALE, VARIEGATED, CLAYEY, ALL OVER	
CMPWU05	619.40	620.00	0.60	0.60	SANDSTONE(V.FINE GRAINED), GREY	
CMPWU05	620.00	620.55	0.55	0.55	SANDSTONE(V.F. TO MEDIUM GRAINED), GREY	
CMPWU05	620.55	621.57	1.02	0.94	CLAYSTONE, BROWN, FRACTURE	
CMPWU05	621.57	622.54	0.97	0.93	SANDSTONE(V.F. TO MEDIUM GRAINED), GREY	
CMPWU05	622.54	623.00	0.46	0.42	CLAYSTONE, BROWN, FRACTURE	
CMPWU05	623.00	624.42	1.42	1.40	CLAYSTONE, BROWN, SHALY, AT PLACES, FRACTURE	
CMPWU05	624.42	624.66	0.24	0.24	SHALE, GREY, FRACTURE	
CMPWU05	624.66	625.06	0.40	0.40	CLAYSTONE, BROWN, FRACTURE	
CMPWU05	625.06	626.00	0.94	0.88	SANDSTONE(V.FINE GRAINED), GREY, CLAYEY, AT PLACES	
CMPWU05	626.00	627.00	1.00	1.00	SANDSTONE(V.FINE GRAINED), GREY, CLAYEY, ALL OVER	
CMPWU05	627.00	628.66	1.66	1.60	CLAYSTONE, VARIEGATED, SHALY, AT PLACES, FRACTURE	
CMPWU05	628.66	629.00	0.34	0.34	SANDSTONE(V.FINE GRAINED), GREY	
CMPWU05	629.00	630.39	1.39	1.21	SANDSTONE(FINE GRAINED), GREY	
CMPWU05	630.39	631.17	0.78	0.78	SHALY SANDSTONE, GREY	
CMPWU05	631.17	631.47	0.30	0.30	CLAYSTONE, BROWN, FRACTURE	
CMPWU05	631.47	632.00	0.53	0.53	SANDY SHALE, DARK GREY	
CMPWU05	632.00	633.16	1.16	1.16	SHALE, DARK GREY, CLAYEY, AT PLACES	
CMPWU05	633.16	635.00	1.84	1.84	SANDY SHALE, DARK GREY, FRACTURE	
CMPWU05	635.00	636.13	1.13	1.13	INT. SANDSTONE> SHALE, GREY	
CMPWU05	636.13	637.59	1.46	1.26	SHALE, GREY, FRACTURE	
CMPWU05	637.59	638.00	0.41	0.41	INT. SANDSTONE> SHALE, GREY	
CMPWU05	638.00	638.20	0.20	0.20	INT. SANDSTONE> SHALE, GREY	
CMPWU05	638.20	640.50	2.30	2.30	INT. SANDSTONE = SHALE, DARK GREY, FRACTURE	
CMPWU05	640.50	641.00	0.50	0.50	SHALE, DARK GREY, FRACTURE	
CMPWU05	641.00	643.42	2.42	2.26	INT. SANDSTONE = SHALE, DARK GREY, FRACTURE	
CMPWU05	643.42	644.00	0.58	0.58	SANDSTONE(FINE TO MEDIUM GRAINED), GREY, COALY, STREAKS	
CMPWU05	644.00	644.86	0.86	0.86	SANDSTONE(FINE TO MEDIUM GRAINED), GREY, COALY, STREAKS	
CMPWU05	644.86	645.38	0.52	0.52	INT. SHALE > SANDSTONE, GREY	
CMPWU05	645.38	646.04	0.66	0.60	SHALE, GREY	
<b>CMPWU05</b>	<b>646.04</b>	<b>646.36</b>	<b>0.32</b>	<b>0.32</b>	<b>COAL SEAM</b>	<b>IA</b>
CMPWU05	646.36	646.42	0.06	0.06	SHALE, GREY	

DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU05	646.42	647.00	0.58	0.58	SANDY SHALE, GREY	
CMPWU05	647.00	647.26	0.26	0.26	SANDY SHALE, GREY	
CMPWU05	647.26	647.50	0.24	0.24	SHALE, GREY	
CMPWU05	647.50	647.59	0.09	0.09	SHALE	
<b>CMPWU05</b>	<b>647.59</b>	<b>651.48</b>	<b>3.89</b>	<b>3.89</b>	<b>COAL SEAM</b>	<b>IB</b>
CMPWU05	651.48	651.61	0.13	0.13	SHALE	
CMPWU05	651.61	652.15	0.54	0.54	INT. SHALE > SANDSTONE, GREY	
CMPWU05	652.15	652.73	0.58	0.58	SHALE, DARK GREY	
CMPWU05	652.73	653.00	0.27	0.27	SHALE, FRACTURE	
CMPWU05	653.00	653.22	0.22	0.22	SHALE, FRACTURE	
<b>CMPWU05</b>	<b>653.22</b>	<b>654.82</b>	<b>1.60</b>	<b>1.60</b>	<b>COAL SEAM</b>	<b>IC</b>
CMPWU05	654.82	656.00	1.18	1.18	SHALE, DARK GREY	
CMPWU05	656.00	658.09	2.09	2.09	SHALE, DARK GREY, ALL OVER, SLICKENSIDED	
<b>CMPWU05</b>	<b>658.09</b>	<b>658.97</b>	<b>0.88</b>	<b>0.88</b>	<b>COAL SEAM</b>	<b>IIA</b>
CMPWU05	658.97	659.00	0.03	0.03	SHALE, DARK GREY	
CMPWU05	659.00	659.31	0.31	0.31	SHALE, GREY, FRACTURE	
CMPWU05	659.31	659.71	0.40	0.40	INT. SANDSTONE = SHALE, GREY	
CMPWU05	659.71	662.00	2.29	2.29	SHALE, GREY, AT PLACES, FRACTURE	
CMPWU05	662.00	662.42	0.42	0.42	SHALE, GREY, FRACTURE	
CMPWU05	662.42	662.91	0.49	0.49	INT. SANDSTONE = SHALE, GREY	
CMPWU05	662.91	663.76	0.85	0.85	SANDY SHALE, GREY, FRACTURE	
CMPWU05	663.76	664.80	1.04	0.97	INT. SANDSTONE> SHALE, COALY, STREAKS, FRACTURE	
CMPWU05	664.80	665.00	0.20	0.20	SANDSTONE(FINE TO MEDIUM GRAINED), GREY, FRACTURE	
CMPWU05	665.00	665.17	0.17	0.17	SANDSTONE(FINE TO MEDIUM GRAINED), GREY, FRACTURE	
CMPWU05	665.17	666.50	1.33	1.33	INT. SANDSTONE = SHALE, GREY, FRACTURE	
CMPWU05	666.50	666.65	0.15	0.15	SANDSTONE(FINE GRAINED), GREY	
<b>CMPWU05</b>	<b>666.65</b>	<b>667.23</b>	<b>0.58</b>	<b>0.58</b>	<b>COAL SEAM</b>	<b>IIB</b>
CMPWU05	667.23	668.00	0.77	0.77	SANDSTONE(MEDIUM GRAINED), GREY, FRACTURE	
CMPWU05	668.00	668.81	0.81	0.81	INT. SANDSTONE> SHALE, GREY, FRACTURE	
CMPWU05	668.81	669.31	0.50	0.50	INT. SHALE > SANDSTONE, GREY, FRACTURE	
<b>CMPWU05</b>	<b>669.31</b>	<b>670.35</b>	<b>1.04</b>	<b>1.04</b>	<b>COAL SEAM</b>	<b>III</b>
CMPWU05	670.35	671.00	0.65	0.65	INT. SHALE > SANDSTONE, GREY	
CMPWU05	671.00	672.05	1.05	1.05	INT. SHALE > SANDSTONE, GREY, AT PLACES, FRACTURE	
CMPWU05	672.05	673.59	1.54	1.54	SANDSTONE(MED. TO C. GRAINED), GREY, COALY, STREAKS	
CMPWU05	673.59	674.00	0.41	0.39	SHALE, GREY, COALY, STREAKS, FRACTURE	
CMPWU05	674.00	674.47	0.47	0.47	SHALE, COALY, STREAKS	
CMPWU05	674.47	674.51	0.04	0.04	CARB SHALE LOW	
CMPWU05	674.51	674.54	0.03	0.03	COAL	
CMPWU05	674.54	674.75	0.21	0.21	SHALE, GREY	
CMPWU05	674.75	676.39	1.64	1.54	INT. SANDSTONE> SHALE, GREY	
CMPWU05	676.39	676.70	0.31	0.31	SHALE, DARK GREY	
<b>CMPWU05</b>	<b>676.70</b>	<b>679.76</b>	<b>3.06</b>	<b>3.06</b>	<b>COAL SEAM</b>	<b>IV</b>
CMPWU05	679.76	680.00	0.24	0.24	INT. SANDSTONE> SHALE, GREY	
CMPWU05	680.00	680.13	0.13	0.13	SANDSTONE(FINE GRAINED), GREY	
CMPWU05	680.13	681.64	1.51	1.51	INT. SANDSTONE = SHALE, GREY	
CMPWU05	681.64	682.43	0.79	0.79	SHALE, GREY, FRACTURE	
<b>CMPWU05</b>	<b>682.43</b>	<b>682.72</b>	<b>0.29</b>	<b>0.29</b>	<b>COAL SEAM</b>	<b>VA</b>
CMPWU05	682.72	683.00	0.28	0.28	INT. SHALE > SANDSTONE, GREY	
CMPWU05	683.00	683.67	0.67	0.67	INT. SHALE > SANDSTONE, GREY	
CMPWU05	683.67	683.80	0.13	0.13	SHALE	
CMPWU05	683.80	683.89	0.09	0.09	SHALE, GREY	
CMPWU05	683.89	686.00	2.11	2.05	INT. SANDSTONE = SHALE	



DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU05	686.00	686.20	0.20	0.20	SHALE, DARK GREY	
CMPWU05	686.20	689.00	2.80	2.76	INT. SANDSTONE> SHALE, GREY, COALY, STREAKS	
CMPWU05	689.00	691.94	2.94	2.94	SANDSTONE(FINE GRAINED), GREY, COALY, STREAKS	
CMPWU05	691.94	692.00	0.06	0.06	COAL	
CMPWU05	692.00	692.78	0.78	0.78	INT. SANDSTONE> SHALE	
CMPWU05	692.78	692.82	0.04	0.04	COAL	
CMPWU05	692.82	693.44	0.62	0.62	INT. SANDSTONE> SHALE	
<b>CMPWU05</b>	<b>693.44</b>	<b>693.63</b>	<b>0.19</b>	<b>0.17</b>	<b>COAL SEAM</b>	<b>VB</b>
CMPWU05	693.63	694.54	0.91	0.91	INT. SANDSTONE> SHALE	
CMPWU05	694.54	694.59	0.05	0.05	COAL	
CMPWU05	694.59	695.00	0.41	0.39	INT. SANDSTONE> SHALE	
CMPWU05	695.00	696.09	1.09	1.09	INT. SANDSTONE = SHALE	
CMPWU05	696.09	698.00	1.91	1.88	INT. SANDSTONE> SHALE, SHALY, STREAKS	
CMPWU05	698.00	698.93	0.93	0.93	INT. SANDSTONE> SHALE	
CMPWU05	698.93	701.00	2.07	2.03	SANDSTONE(V.FINE GRAINED), COALY, STREAKS	
CMPWU05	701.00	702.70	1.70	1.70	SANDSTONE(V.FINE GRAINED), COALY, STREAKS	
CMPWU05	702.70	704.00	1.30	1.30	INT. SANDSTONE> SHALE	
<b>7380.870 DEPARTURE: 2467637.670</b>						
CMPWU06	0.00	0.92	0.92	0.90	SOIL, BROWNISH GREY	
CMPWU06	0.92	2.00	1.08	1.08	BASALT, BROWNISH GREY	
CMPWU06	2.00	5.00	3.00	2.98	BASALT, GREY, BROKEN CORE, AT PLACES	
CMPWU06	5.00	8.00	3.00	2.96	BASALT, GREY	
CMPWU06	8.00	11.00	3.00	3.00	BASALT, GREY	
CMPWU06	11.00	14.00	3.00	2.90	BASALT, GREY	
CMPWU06	14.00	17.00	3.00	3.00	BASALT, GREY	
CMPWU06	17.00	20.00	3.00	2.99	BASALT, GREY	
CMPWU06	20.00	23.00	3.00	3.00	BASALT, GREY	
CMPWU06	23.00	26.00	3.00	3.00	BASALT, GREY	
CMPWU06	26.00	29.00	3.00	3.00	BASALT, GREY	
CMPWU06	29.00	29.85	0.85	0.84	BASALT, GREY	
CMPWU06	29.85	30.08	0.23	0.23	BASALT, BROWNISH GREY	
CMPWU06	30.08	32.00	1.92	1.89	BASALT, GREY	
CMPWU06	32.00	35.00	3.00	2.94	BASALT, GREY	
CMPWU06	35.00	38.00	3.00	2.86	BASALT, GREY	
CMPWU06	38.00	41.00	3.00	3.00	BASALT, GREY	
CMPWU06	41.00	44.00	3.00	2.94	BASALT, GREY	
CMPWU06	44.00	47.00	3.00	2.95	BASALT, GREY	
CMPWU06	47.00	50.00	3.00	2.97	BASALT, GREY	
CMPWU06	50.00	53.00	3.00	2.91	BASALT, GREY	
CMPWU06	53.00	56.00	3.00	2.90	BASALT, GREY	
CMPWU06	56.00	59.00	3.00	2.98	BASALT, GREY	
CMPWU06	59.00	62.00	3.00	2.93	BASALT, GREY	
CMPWU06	62.00	65.00	3.00	2.86	BASALT, GREY	
CMPWU06	65.00	68.00	3.00	2.90	BASALT, GREY	
CMPWU06	68.00	71.00	3.00	3.00	BASALT, GREY	
CMPWU06	71.00	74.00	3.00	2.98	BASALT, GREY	
CMPWU06	74.00	77.00	3.00	3.00	BASALT, GREY	
CMPWU06	77.00	79.65	2.65	2.63	BASALT, GREY	
CMPWU06	79.65	80.00	0.35	0.35	CLAYSTONE, BROWN	
CMPWU06	80.00	81.20	1.20	1.20	CLAYSTONE, CHOCOLATE BROWN, BROKEN IN PLACES	
CMPWU06	81.20	83.00	1.80	1.80	BASALT, GREY	
CMPWU06	83.00	86.00	3.00	2.99	BASALT, GREY	

**DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.**

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU06	86.00	89.00	3.00	2.90	BASALT, GREY	
CMPWU06	89.00	91.26	2.26	2.26	BASALT, GREY	
CMPWU06	91.26	92.00	0.74	0.74	CLAYSTONE, BROWN	
CMPWU06	92.00	94.15	2.15	2.10	CLAYSTONE, BROWN	
CMPWU06	94.15	95.00	0.85	0.85	BASALT, GREY	
CMPWU06	95.00	98.00	3.00	2.99	BASALT, GREY	
CMPWU06	98.00	101.00	3.00	3.00	BASALT, GREY	
CMPWU06	101.00	102.82	1.82	1.81	BASALT, GREY	
CMPWU06	102.82	104.00	1.18	1.17	CLAYSTONE, BROWN	
CMPWU06	104.00	104.66	0.66	0.66	CLAYSTONE, 9B	
CMPWU06	104.66	107.00	2.34	2.34	SANDSTONE, GREY	
CMPWU06	107.00	110.00	3.00	2.94	SANDSTONE, GREY	
CMPWU06	110.00	111.88	1.88	1.88	SANDSTONE, GREY	
CMPWU06	111.88	113.00	1.12	1.12	CLAYSTONE, BROWN	
CMPWU06	113.00	116.00	3.00	2.92	CLAYSTONE, CHOCOLATE BROWN	
CMPWU06	116.00	119.00	3.00	2.86	CLAYSTONE, CHOCOLATE BROWN	
CMPWU06	119.00	121.12	2.12	2.12	CLAYSTONE, CHOCOLATE BROWN	
CMPWU06	121.12	122.00	0.88	0.88	SANDSTONE(FINE GRAINED), GREY, CLAYEY, AT PLACES	
CMPWU06	122.00	122.38	0.38	0.34	CLAYSTONE, CHOCOLATE BROWN	
CMPWU06	122.38	125.00	2.62	2.35	CLAYSTONE, CHOCOLATE BROWN	
CMPWU06	125.00	128.00	3.00	2.83	CLAYSTONE, CHOCOLATE BROWN	
CMPWU06	128.00	131.00	3.00	2.93	CLAYSTONE, CHOCOLATE BROWN	
CMPWU06	131.00	132.42	1.42	1.39	CLAYSTONE, CHOCOLATE BROWN, SANDY, OVER BASE	
CMPWU06	132.42	133.74	1.32	1.29	SANDSTONE(MEDIUM GRAINED), VARIEGATED	
CMPWU06	133.74	134.00	0.26	0.26	CLAYSTONE, 9B, BROKEN IN PLACES	
CMPWU06	134.00	137.00	3.00	3.00	CLAYSTONE, CHOCOLATE BROWN, ALL OVER, SLICKENSIDED, BROKEN IN PLACES	
CMPWU06	137.00	139.63	2.63	2.63	CLAYSTONE, CHOCOLATE BROWN, ALL OVER, SLICKENSIDED, BROKEN IN PLACES	
CMPWU06	139.63	140.00	0.37	0.37	CLAYSTONE, VARIEGATED, BROKEN IN PLACES	
CMPWU06	140.00	143.00	3.00	3.00	CLAYSTONE, VARIEGATED, ALL OVER, BROKEN IN PLACES	
CMPWU06	143.00	143.52	0.52	0.52	CLAYSTONE, VARIEGATED, ALL OVER, BROKEN IN PLACES	
CMPWU06	143.52	146.00	2.48	2.45	SANDSTONE(FINE TO MEDIUM GRAINED), GREY	
CMPWU06	146.00	147.07	1.07	1.05	SANDSTONE(FINE TO MEDIUM GRAINED), GREY	
CMPWU06	147.07	149.00	1.93	1.91	CLAYSTONE, CHOCOLATE BROWN	
CMPWU06	149.00	151.89	2.89	2.72	CLAYSTONE, CHOCOLATE BROWN	
CMPWU06	151.89	152.00	0.11	0.10	SANDSTONE(MED. TO C. GRAINED), GREY	
CMPWU06	152.00	152.22	0.22	0.20	SANDSTONE(MED. TO C. GRAINED), GREY	
CMPWU06	152.22	152.42	0.20	0.20	CLAYSTONE, GREY, SANDY	
CMPWU06	152.42	155.00	2.58	2.58	CLAYSTONE, CHOCOLATE BROWN, SANDY, OVER BASE	
CMPWU06	155.00	156.57	1.57	1.56	CLAYSTONE, CHOCOLATE BROWN, SLICKENSIDED	
CMPWU06	156.57	157.27	0.70	0.70	INT. CLAY AND SANDSTONE, VARIEGATED	
CMPWU06	157.27	158.00	0.73	0.73	SANDSTONE(COARSE GRAINED), GREY, BROKEN IN PLACES	
CMPWU06	158.00	158.96	0.96	0.96	SANDSTONE(COARSE GRAINED), GREY, BROKEN IN PLACES	
CMPWU06	158.96	161.00	2.04	2.04	CLAYSTONE, VARIEGATED, SANDY, AT PLACES, BROKEN IN PLACES	
CMPWU06	161.00	163.18	2.18	2.16	CLAYSTONE, VARIEGATED, SANDY, AT PLACES, BROKEN IN PLACES	
CMPWU06	163.18	164.00	0.82	0.81	SANDSTONE(MEDIUM GRAINED), GREY	
CMPWU06	164.00	164.40	0.40	0.40	SANDSTONE(MEDIUM GRAINED), VARIEGATED, SANDY	
CMPWU06	164.40	165.65	1.25	1.25	CLAYSTONE, VARIEGATED	
CMPWU06	165.65	166.46	0.81	0.81	CLAYSTONE, CHOCOLATE BROWN, SLICKENSIDED	
CMPWU06	166.46	167.00	0.54	0.54	SANDSTONE(FINE GRAINED), GREY	

**DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.**

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU06	167.00	169.80	2.80	2.79	SANDSTONE(FINE TO MEDIUM GRAINED), GREY, CLAYEY, OVER MIDDLE	
CMPWU06	169.80	170.00	0.20	0.20	CLAYSTONE, CHOCOLATE BROWN	
CMPWU06	170.00	173.00	3.00	2.85	CLAYSTONE, CHOCOLATE BROWN, SLICKENSIDED, BROKEN IN PLACES	
CMPWU06	173.00	176.00	3.00	3.00	CLAYSTONE, CHOCOLATE BROWN, SLICKENSIDED, BROKEN IN PLACES	
CMPWU06	176.00	179.00	3.00	3.00	CLAYSTONE, CHOCOLATE BROWN, SLICKENSIDED, BROKEN IN PLACES	
CMPWU06	179.00	182.00	3.00	2.91	INT. CLAY AND SANDSTONE, VARIEGATED	
CMPWU06	182.00	183.23	1.23	1.21	INT. CLAY AND SANDSTONE, VARIEGATED	
CMPWU06	183.23	185.00	1.77	1.73	CLAYSTONE, CHOCOLATE BROWN, SANDY, AT PLACES, BROKEN IN PLACES	
CMPWU06	185.00	188.00	3.00	3.00	CLAYSTONE, CHOCOLATE BROWN, SLICKENSIDED, BROKEN IN PLACES	
CMPWU06	188.00	191.00	3.00	2.98	CLAYSTONE, CHOCOLATE BROWN	
CMPWU06	191.00	192.51	1.51	1.50	CLAYSTONE, CHOCOLATE BROWN	
CMPWU06	192.51	193.33	0.82	0.81	INT. CLAY AND SANDSTONE, VARIEGATED	
CMPWU06	193.33	193.80	0.47	0.47	CLAYSTONE, CHOCOLATE BROWN	
CMPWU06	193.80	196.60	2.80	2.00	CLAYSTONE, CHOCOLATE BROWN, SANDY, OVER MIDDLE	
CMPWU06	196.60	198.05	1.45	1.42	INT. CLAY AND SANDSTONE, VARIEGATED, BROKEN IN PLACES	
CMPWU06	198.05	198.34	0.29	0.28	CLAYSTONE, CHOCOLATE BROWN, SANDY, AT PLACES	
CMPWU06	198.34	199.20	0.86	0.85	SANDSTONE(FINE GRAINED), GREY, CLAYEY	
CMPWU06	199.20	199.40	0.20	0.19	SANDSTONE(FINE GRAINED), GREY, CLAYEY	
CMPWU06	199.40	200.36	0.96	0.96	CLAYSTONE, CHOCOLATE BROWN	
CMPWU06	200.36	202.20	1.84	1.83	CLAYSTONE, CHOCOLATE BROWN, BROKEN IN PLACES	
CMPWU06	202.20	205.00	2.80	2.80	CLAYSTONE, CHOCOLATE BROWN, BROKEN IN PLACES	
CMPWU06	205.00	207.80	2.80	2.78	CLAYSTONE, CHOCOLATE BROWN, BROKEN IN PLACES	
CMPWU06	207.80	209.12	1.32	1.32	SANDSTONE(FINE TO MEDIUM GRAINED), GREY, BROKEN IN PLACES	
CMPWU06	209.12	210.60	1.48	1.48	SANDSTONE(FINE TO MEDIUM GRAINED), GREY	
CMPWU06	210.60	211.10	0.50	0.49	CLAYSTONE, VARIEGATED, SANDY, ALL OVER	
CMPWU06	211.10	213.40	2.30	2.29	CLAYSTONE, VARIEGATED, SANDY, ALL OVER	
CMPWU06	213.40	216.20	2.80	2.78	CLAYSTONE, CHOCOLATE BROWN, SANDY, OVER MIDDLE	
CMPWU06	216.20	219.00	2.80	2.80	CLAYSTONE, CHOCOLATE BROWN, SANDY, OVER MIDDLE	
CMPWU06	219.00	221.80	2.80	2.58	CLAYSTONE, CHOCOLATE BROWN, SANDY	
CMPWU06	221.80	224.60	2.80	2.58	CLAYSTONE, CHOCOLATE BROWN, SANDY, SLICKENSIDED	
CMPWU06	224.60	227.40	2.80	2.80	CLAYSTONE, CHOCOLATE BROWN, SANDY, SLICKENSIDED	
CMPWU06	227.40	230.20	2.80	2.78	CLAYSTONE, CHOCOLATE BROWN, SANDY, SLICKENSIDED	
CMPWU06	230.20	233.00	2.80	2.78	CLAYSTONE, CHOCOLATE BROWN	
CMPWU06	233.00	235.80	2.80	2.79	SANDSTONE(MEDIUM GRAINED), CHOCOLATE BROWN, CLAYEY, SLICKENSIDED	
CMPWU06	235.80	236.89	1.09	1.08	CLAYSTONE, GREY, CLAYEY, SLICKENSIDED	
CMPWU06	236.89	237.19	0.30	0.30	CLAYSTONE, GREY, CLAYEY, SLICKENSIDED	
CMPWU06	237.19	238.60	1.41	1.40	CLAYSTONE, GREY, CLAYEY, SLICKENSIDED	
CMPWU06	238.60	240.77	2.17	2.15	CLAYSTONE, GREY, SLICKENSIDED	
CMPWU06	240.77	241.40	0.63	0.62	SANDSTONE(MEDIUM GRAINED), GREY	
CMPWU06	241.40	243.16	1.76	1.76	CLAYSTONE, CHOCOLATE BROWN	
CMPWU06	243.16	244.20	1.04	1.04	CLAYSTONE, CHOCOLATE BROWN, BROKEN IN PLACES	
CMPWU06	244.20	245.23	1.03	1.00	SANDSTONE(FINE GRAINED), GREY, CLAYEY, OVER TOP, BROKEN IN PLACES	
CMPWU06	245.23	246.01	0.78	0.76	CLAYSTONE, CHOCOLATE BROWN	
CMPWU06	246.01	246.15	0.14	0.14	SANDSTONE(FINE GRAINED), GREY	
CMPWU06	246.15	246.38	0.23	0.22	CLAYSTONE, CHOCOLATE BROWN	

**DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.**

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU06	246.38	247.00	0.62	0.60	CLAYSTONE, CHOCOLATE BROWN, BROKEN IN PLACES	
CMPWU06	247.00	249.68	2.68	2.68	SILTSTONE, VARIEGATED	
CMPWU06	249.68	249.80	0.12	0.12	SANDSTONE(FINE GRAINED), VARIEGATED, CLAYEY, ALL OVER	
CMPWU06	249.80	251.00	1.20	1.18	CLAYSTONE, CHOCOLATE BROWN	
CMPWU06	251.00	251.99	0.99	0.98	CLAYSTONE, CHOCOLATE BROWN	
CMPWU06	251.99	252.60	0.61	0.60	CLAYSTONE, CHOCOLATE BROWN	
CMPWU06	252.60	255.40	2.80	2.78	CLAYSTONE, CHOCOLATE BROWN, BROKEN IN PLACES	
CMPWU06	255.40	257.00	1.60	1.10	CLAYSTONE, CHOCOLATE BROWN, BROKEN IN PLACES	
CMPWU06	257.00	260.00	3.00	2.98	CLAYSTONE, CHOCOLATE BROWN	
CMPWU06	260.00	260.26	0.26	0.26	CLAYSTONE, CHOCOLATE BROWN, BROKEN IN PLACES	
CMPWU06	260.26	260.66	0.40	0.28	CLAYSTONE, GREY	
CMPWU06	260.66	263.00	2.34	2.34	SANDSTONE(FINE GRAINED), CHOCOLATE BROWN, BROKEN IN PLACES	
CMPWU06	263.00	266.00	3.00	3.00	CLAYSTONE, CHOCOLATE BROWN, BROKEN IN PLACES	
CMPWU06	266.00	269.00	3.00	2.98	CLAYSTONE, CHOCOLATE BROWN, SANDY, AT PLACES	
CMPWU06	269.00	272.00	3.00	2.98	CLAYSTONE, CHOCOLATE BROWN, BROKEN IN PLACES	
CMPWU06	272.00	272.40	0.40	0.40	CLAYSTONE, CHOCOLATE BROWN, BROKEN IN PLACES	
CMPWU06	272.40	275.00	2.60	2.60	SANDSTONE(FINE GRAINED), GREY	
CMPWU06	275.00	275.46	0.46	0.44	SANDSTONE(FINE GRAINED), GREY	
CMPWU06	275.46	278.00	2.54	2.51	CLAYSTONE, CHOCOLATE BROWN, AT PLACES, BROKEN IN PLACES	
CMPWU06	278.00	278.12	0.12	0.12	CLAYSTONE, CHOCOLATE BROWN, AT PLACES, BROKEN IN PLACES	
CMPWU06	278.12	278.22	0.10	0.10	SANDSTONE(FINE GRAINED), GREY	
CMPWU06	278.22	279.65	1.43	1.43	CLAYSTONE, CHOCOLATE BROWN, SANDY, AT PLACES	
CMPWU06	279.65	281.00	1.35	1.35	SANDSTONE(FINE GRAINED), GREY	
CMPWU06	281.00	281.22	0.22	0.21	SANDSTONE(FINE GRAINED), GREY	
CMPWU06	281.22	283.64	2.42	2.40	SANDSTONE(MEDIUM GRAINED), GREY	
CMPWU06	283.64	284.00	0.36	0.35	CLAYSTONE, CHOCOLATE BROWN	
CMPWU06	284.00	286.22	2.22	2.20	CLAYSTONE, CHOCOLATE BROWN, SANDY, OVER BASE	
CMPWU06	286.22	287.00	0.78	0.77	SANDSTONE(FINE GRAINED), GREY	
CMPWU06	287.00	290.00	3.00	1.20	SANDSTONE(MEDIUM GRAINED), GREYEBBLY, ALL OVER	
CMPWU06	290.00	293.00	3.00	0.33	SANDSTONE PEBBLY, GREYEBBLY, ALL OVER	
CMPWU06	293.00	293.20	0.20	0.19	CLAYSTONE, GREY, BROKEN IN PLACES	
CMPWU06	293.20	296.00	2.80	2.68	CLAYSTONE, CHOCOLATE BROWN, BROKEN IN PLACES	
CMPWU06	296.00	297.65	1.65	1.65	SANDSTONE(FINE GRAINED), GREY	
CMPWU06	297.65	299.00	1.35	1.34	CLAYSTONE, CHOCOLATE BROWN	
CMPWU06	299.00	301.55	2.55	2.53	CLAYSTONE, CHOCOLATE BROWN	
CMPWU06	301.55	302.00	0.45	0.45	INT. CLAY AND SANDSTONE, GREY, BROKEN IN PLACES	
CMPWU06	302.00	302.50	0.50	0.50	INT. CLAY AND SANDSTONE, GREY, BROKEN IN PLACES	
CMPWU06	302.50	305.00	2.50	2.49	CLAYSTONE, CHOCOLATE BROWN, BROKEN IN PLACES	
CMPWU06	305.00	308.00	3.00	3.00	CLAYSTONE, CHOCOLATE BROWN, BROKEN IN PLACES	
CMPWU06	308.00	311.00	3.00	2.98	CLAYSTONE, CHOCOLATE BROWN, BROKEN IN PLACES	
CMPWU06	311.00	313.70	2.70	2.70	CLAYSTONE, CHOCOLATE BROWN, BROKEN IN PLACES	
CMPWU06	313.70	314.00	0.30	0.30	SANDSTONE(MEDIUM GRAINED), VARIEGATED, CLAYEY	
CMPWU06	314.00	314.29	0.29	0.29	SANDSTONE(FINE GRAINED), GREY	
CMPWU06	314.29	314.62	0.33	0.32	CLAYSTONE, VARIEGATED, SANDY, ALL OVER	
CMPWU06	314.62	314.87	0.25	0.25	SANDSTONE(FINE GRAINED), GREY	
CMPWU06	314.87	315.02	0.15	0.15	CLAYSTONE, CHOCOLATE BROWN, SANDY	
CMPWU06	315.02	315.24	0.22	0.22	SANDSTONE(MEDIUM GRAINED), GREY	
CMPWU06	315.24	315.52	0.28	0.28	CLAYSTONE, CHOCOLATE BROWN	
CMPWU06	315.52	315.96	0.44	0.43	SANDSTONE(MEDIUM GRAINED), GREY	
CMPWU06	315.96	316.42	0.46	0.45	CLAYSTONE, CHOCOLATE BROWN, BROKEN IN PLACES	

**DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.**

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU06	316.42	317.00	0.58	0.57	SANDSTONE(FINE TO MEDIUM GRAINED), GREY, CLAYEY, AT PLACES	
CMPWU06	317.00	317.21	0.21	0.21	SANDSTONE(FINE GRAINED), GREY	
CMPWU06	317.21	320.00	2.79	2.78	CLAYSTONE, CHOCOLATE BROWN, BROKEN IN PLACES	
CMPWU06	320.00	321.00	1.00	0.94	CLAYSTONE, CHOCOLATE BROWN, SANDY, AT PLACES	
CMPWU06	321.00	322.08	1.08	0.98	SANDSTONE(FINE GRAINED), GREY, CLAYEY, AT PLACES	
CMPWU06	322.08	323.00	0.92	0.87	CLAYSTONE, CHOCOLATE BROWN, SANDY, AT PLACES	
CMPWU06	323.00	324.05	1.05	1.04	SANDSTONE(FINE GRAINED), GREY	
CMPWU06	324.05	324.13	0.08	0.08	CLAYSTONE, CHOCOLATE BROWN, SANDY, AT PLACES	
CMPWU06	324.13	324.23	0.10	0.10	SANDSTONE(FINE GRAINED), GREY	
CMPWU06	324.23	324.33	0.10	0.10	CLAYSTONE, CHOCOLATE BROWN, SANDY	
CMPWU06	324.33	324.51	0.18	0.18	SANDSTONE(FINE GRAINED), GREY	
CMPWU06	324.51	324.78	0.27	0.26	CLAYSTONE, CHOCOLATE BROWN	
CMPWU06	324.78	325.39	0.61	0.60	SANDSTONE(FINE GRAINED), GREY, CLAYEY, AT PLACES	
CMPWU06	325.39	326.00	0.61	0.60	CLAYSTONE, CHOCOLATE BROWN, BROKEN IN PLACES	
CMPWU06	326.00	329.00	3.00	2.98	CLAYSTONE, CHOCOLATE BROWN, BROKEN IN PLACES	
CMPWU06	329.00	332.00	3.00	3.00	CLAYSTONE, CHOCOLATE BROWN, BROKEN IN PLACES	
CMPWU06	332.00	332.90	0.90	0.90	CLAYSTONE, CHOCOLATE BROWN, BROKEN IN PLACES	
CMPWU06	332.90	335.00	2.10	2.08	CLAYSTONE, CHOCOLATE BROWN, SLICKENSIDED, BROKEN IN PLACES	
CMPWU06	335.00	338.00	3.00	3.00	CLAYSTONE, CHOCOLATE BROWN, SANDY, OVER MIDDLE, BROKEN IN PLACES	
CMPWU06	338.00	341.00	3.00	2.97	CLAYSTONE, VARIEGATED, OVER TOP	
CMPWU06	341.00	342.15	1.15	1.15	CLAYSTONE, CHOCOLATE BROWN, BROKEN IN PLACES	
CMPWU06	342.15	343.53	1.38	1.38	CLAYSTONE, CHOCOLATE BROWN, SANDY, OVER BASE	
CMPWU06	343.53	344.00	0.47	0.47	SANDSTONE(FINE GRAINED), GREY	
CMPWU06	344.00	346.08	2.08	2.03	SANDSTONE(FINE GRAINED), GREY	
CMPWU06	346.08	347.00	0.92	0.90	CLAYSTONE, 9B	
CMPWU06	347.00	347.53	0.53	0.53	CLAYSTONE, 9B	
CMPWU06	347.53	350.00	2.47	2.47	CLAYSTONE, BROWN, BROKEN IN PLACES	
CMPWU06	350.00	353.00	3.00	3.00	CLAYSTONE, BROWN, BROKEN IN PLACES	
CMPWU06	353.00	356.00	3.00	2.97	CLAYSTONE, BROWN, BROKEN IN PLACES	
CMPWU06	356.00	359.00	3.00	3.00	CLAYSTONE, BROWN, BROKEN IN PLACES	
CMPWU06	359.00	362.00	3.00	2.98	CLAYSTONE, BROWN, BROKEN IN PLACES	
CMPWU06	362.00	363.55	1.55	1.50	CLAYSTONE, BROWN, BROKEN IN PLACES	
CMPWU06	363.55	364.03	0.48	0.47	SANDSTONE(FINE GRAINED), GREY, CLAYEY, AT PLACES	
CMPWU06	364.03	365.00	0.97	0.95	GREY SHALE, GREY, AT PLACES, SLICKENSIDED	
CMPWU06	365.00	365.91	0.91	0.91	CLAYSTONE, CHOCOLATE BROWN, SANDY, OVER BASE	
CMPWU06	365.91	366.94	1.03	1.03	SANDSTONE(FINE GRAINED), GREY	
CMPWU06	366.94	368.00	1.06	1.06	CLAYSTONE, CHOCOLATE BROWN, SANDY, AT PLACES	
CMPWU06	368.00	371.00	3.00	2.98	CLAYSTONE, VARIEGATED	
CMPWU06	371.00	371.24	0.24	0.24	SANDSTONE(FINE GRAINED), GREY	
CMPWU06	371.24	372.52	1.28	1.28	SANDSTONE(FINE TO MEDIUM GRAINED), GREY	
CMPWU06	372.52	372.90	0.38	0.38	CLAYSTONE, VARIEGATED, SANDY	
CMPWU06	372.90	373.50	0.60	0.60	SANDSTONE(FINE GRAINED), GREY	
CMPWU06	373.50	374.00	0.50	0.50	CLAYSTONE, CHOCOLATE BROWN, BROKEN IN PLACES	
CMPWU06	374.00	376.30	2.30	2.30	CLAYSTONE, GREY, SLICKENSIDED, BROKEN IN PLACES	
CMPWU06	376.30	377.00	0.70	0.70	CLAYSTONE, GREY, SANDY	
CMPWU06	377.00	377.25	0.25	0.25	CLAYSTONE, GREY, SANDY	
CMPWU06	377.25	379.37	2.12	2.10	CLAYSTONE, VARIEGATED	
CMPWU06	379.37	380.00	0.63	0.63	SANDSTONE(FINE GRAINED), GREY, SH, AT PLACES	
CMPWU06	380.00	381.20	1.20	1.10	SANDSTONE(MEDIUM GRAINED), GREY	
CMPWU06	381.20	382.56	1.36	1.25	SANDSTONE(FINE TO MEDIUM GRAINED), GREY	

DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED  
EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU06	382.56	383.00	0.44	0.39	SANDSTONE(FINE GRAINED), GREY	
CMPWU06	383.00	383.30	0.30	0.25	SANDSTONE(FINE GRAINED), GREY	
CMPWU06	383.30	386.00	2.70	2.65	GREY SHALE, GREY	
CMPWU06	386.00	389.00	3.00	3.00	GREY SHALE, GREY, SANDY, OVER BASE, SLICKENSIDED	
CMPWU06	389.00	392.00	3.00	3.00	SANDSTONE(FINE TO MEDIUM GRAINED), GREY	
CMPWU06	392.00	392.25	0.25	0.25	SANDSTONE(FINE TO MEDIUM GRAINED), GREY	
CMPWU06	392.25	392.68	0.43	0.43	GREY SHALE, GREY, FRACTURE, BROKEN IN PLACES	
<b>CMPWU06</b>	<b>392.68</b>	<b>392.98</b>	<b>0.30</b>	<b>0.30</b>	<b>COAL SEAM</b>	<b>IA</b>
CMPWU06	392.98	393.28	0.30	0.30	SANDSTONE(MEDIUM GRAINED), GREY	
CMPWU06	393.28	394.40	1.12	1.08	ALTERNATING SHALE AND SST, GREY	
CMPWU06	394.40	395.00	0.60	0.58	GREY SHALE, GREY, SLICKENSIDED, BROKEN IN PLACES	
CMPWU06	395.00	395.76	0.76	0.58	GREY SHALE, GREY, SLICKENSIDED, BROKEN IN PLACES	
CMPWU06	395.76	396.66	0.90	0.78	COAL	
CMPWU06	396.66	396.91	0.25	0.20	SANDSTONE(FINE GRAINED), GREY, SLICKENSIDED, BROKEN IN PLACES	
CMPWU06	396.91	397.16	0.25	0.20	GREY SHALE, GREY, SLICKENSIDED, BROKEN IN PLACES	
<b>CMPWU06</b>	<b>397.16</b>	<b>401.00</b>	<b>3.84</b>	<b>3.63</b>	<b>COAL SEAM</b>	<b>IB</b>
CMPWU06	401.00	402.40	1.40	1.40	ALTERNATING SHALE AND SST, GREY	
<b>CMPWU06</b>	<b>402.40</b>	<b>403.70</b>	<b>1.30</b>	<b>1.30</b>	<b>COAL SEAM</b>	<b>IC</b>
CMPWU06	403.70	404.00	0.30	0.30	ALTERNATING SHALE AND SST, GREY	
CMPWU06	404.00	404.17	0.17	0.17	SANDSTONE(MEDIUM GRAINED), GREY	
<b>CMPWU06</b>	<b>404.17</b>	<b>404.67</b>	<b>0.50</b>	<b>0.50</b>	<b>COAL SEAM</b>	<b>IIA</b>
CMPWU06	404.67	407.00	2.33	2.30	ALTERNATING SHALE AND SST, GREY, COALY, BANDS	
CMPWU06	407.00	410.00	3.00	2.95	ALTERNATING SST AND SHALE, GREY	
CMPWU06	410.00	411.45	1.45	1.44	SANDSTONE(FINE GRAINED), GREY, SHALY, STREAKS	
CMPWU06	411.45	413.00	1.55	1.54	ALTERNATING SST AND SHALE, GREY, COALY, AT PLACES	
CMPWU06	413.00	413.15	0.15	0.15	ALTERNATING SST AND SHALE, GREY, COALY, AT PLACES	
<b>CMPWU06</b>	<b>413.15</b>	<b>413.85</b>	<b>0.70</b>	<b>0.70</b>	<b>COAL SEAM</b>	<b>IIB</b>
CMPWU06	413.85	415.02	1.17	1.17	SANDY SHALE, GREY	
CMPWU06	415.02	416.00	0.98	0.98	SANDSTONE(FINE GRAINED), GREY, SHALY, AT PLACES	
CMPWU06	416.00	417.21	1.21	1.21	ALTERNATING SHALE AND SST, GREY	
CMPWU06	417.21	417.93	0.72	0.72	SANDSTONE(MEDIUM GRAINED), GREY	
CMPWU06	417.93	418.52	0.59	0.59	SANDY SHALE, GREY	
<b>CMPWU06</b>	<b>418.52</b>	<b>418.87</b>	<b>0.35</b>	<b>0.35</b>	<b>COAL SEAM</b>	<b>III</b>
CMPWU06	418.87	419.00	0.13	0.13	SANDSTONE(FINE GRAINED), GREY	
CMPWU06	419.00	420.49	1.49	1.49	SANDSTONE(FINE GRAINED), GREY, SHALY	
CMPWU06	420.49	420.59	0.10	0.10	COAL	
CMPWU06	420.59	422.00	1.41	1.41	SANDSTONE(FINE GRAINED), GREY	
CMPWU06	422.00	422.78	0.78	0.78	SANDSTONE(FINE GRAINED), GREY	
CMPWU06	422.78	422.83	0.05	0.05	GREY SHALE, GREY	
CMPWU06	422.83	423.82	0.99	0.99	SANDSTONE(FINE GRAINED), GREY	
CMPWU06	423.82	425.00	1.18	1.18	GREY SHALE, GREY, SHALY	
CMPWU06	425.00	425.55	0.55	0.54	SANDY SHALE, GREY	
CMPWU06	425.55	426.00	0.45	0.45	SANDSTONE(MEDIUM GRAINED), GREY	
CMPWU06	426.00	428.00	2.00	1.81	SANDSTONE(FINE TO MEDIUM GRAINED), GREY	
CMPWU06	428.00	428.69	0.69	0.68	ALTERNATING SST AND SHALE, GREY	
CMPWU06	428.69	431.00	2.31	2.25	SANDSTONE(FINE GRAINED), GREY, SHALY	
CMPWU06	431.00	434.00	3.00	2.98	SANDSTONE(FINE GRAINED), GREY, SHALY, AT PLACES	
CMPWU06	434.00	435.18	1.18	1.18	SANDY SHALE, GREY	
CMPWU06	435.18	435.52	0.34	0.34	SHALY SANDSTONE, GREY	
CMPWU06	435.52	435.81	0.29	0.29	SANDY SHALE, GREY	
CMPWU06	435.81	435.95	0.14	0.14	SANDSTONE(MEDIUM GRAINED), GREY	
CMPWU06	435.95	436.42	0.47	0.47	SHALY SANDSTONE, GREY	

DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU06	436.42	436.60	0.18	0.18	SANDSTONE(COARSE GRAINED), GREYEBBLY, AT PLACES	
CMPWU06	436.60	437.00	0.40	0.40	QUARTZITE, GREYEBBLY, BANDS	
CMPWU06	437.00	440.00	3.00	2.80	QUARTZITE, GREYEBBLY, BANDS	
CMPWU06	440.00	441.16	1.16	1.08	QUARTZITE, GREYEBBLY, BANDS	
CMPWU06	441.16	441.72	0.56	0.56	SHALE, GREY	
CMPWU06	441.72	442.45	0.73	0.69	SHALY SANDSTONE, GREY	
CMPWU06	442.45	442.87	0.42	0.39	SHALY SANDSTONE, GREY	
CMPWU06	442.87	443.00	0.13	0.12	SANDSTONE(MEDIUM GRAINED), GREYEBBLY, ALL OVER	
CMPWU06	443.00	444.00	1.00	0.99	SANDSTONE(MEDIUM GRAINED), GREYEBBLY, ALL OVER	
CMPWU06	444.00	446.00	2.00	1.97	SANDSTONE(MED. TO C. GRAINED), GREYEBBLY, AT PLACES	
<b>5705.104 DEPARTURE: 2468029.948</b>						
CMPWU07	0.00	2.00	2.00	0.41	SOIL, BROWN, WEATHERED	
CMPWU07	2.00	3.00	1.00	0.43	SOIL, YB, WEATHERED	
CMPWU07	3.00	5.00	2.00	1.81	SOIL, YB, WEATHERED	
CMPWU07	5.00	7.00	2.00	1.44	SOIL, YB, WEATHERED	
CMPWU07	7.00	8.00	1.00	0.68	BASALT, GREY, HARD	
CMPWU07	8.00	11.00	3.00	2.98	BASALT, GREY, HARD	
CMPWU07	11.00	14.00	3.00	2.99	BASALT, GREY, HARD	
CMPWU07	14.00	17.00	3.00	3.00	BASALT, GREY, HARD	
CMPWU07	17.00	20.00	3.00	3.00	BASALT, GREY, HARD	
CMPWU07	20.00	23.00	3.00	2.95	BASALT, GREY, HARD	
CMPWU07	23.00	26.00	3.00	2.96	BASALT, GREY, HARD	
CMPWU07	26.00	29.00	3.00	3.00	BASALT, GREY, HARD	
CMPWU07	29.00	32.00	3.00	2.97	BASALT, GREY, HARD	
CMPWU07	32.00	35.00	3.00	3.00	BASALT, GREY, HARD	
CMPWU07	35.00	38.00	3.00	3.00	BASALT, GREY, HARD	
CMPWU07	38.00	41.00	3.00	3.00	BASALT, GREY, HARD	
CMPWU07	41.00	44.00	3.00	3.00	BASALT, GREY, HARD	
CMPWU07	44.00	47.00	3.00	3.00	BASALT, GREY, HARD	
CMPWU07	47.00	50.00	3.00	3.00	BASALT, GREY, HARD	
CMPWU07	50.00	53.00	3.00	3.00	BASALT, GREY, HARD	
CMPWU07	53.00	56.00	3.00	3.00	BASALT, GREY, HARD	
CMPWU07	56.00	59.00	3.00	3.00	BASALT, GREY, HARD	
CMPWU07	59.00	62.00	3.00	3.00	BASALT, GREY, HARD	
CMPWU07	62.00	65.00	3.00	2.96	BASALT, GREY, HARD	
CMPWU07	65.00	65.16	0.16	0.16	BASALT, GREY, HARD	
CMPWU07	65.16	65.71	0.55	0.55	CLAYSTONE, BROWN	
CMPWU07	65.71	68.00	2.29	2.29	BASALT, GREY, HARD	
CMPWU07	68.00	71.00	3.00	3.00	BASALT, GREY, HARD	
CMPWU07	71.00	74.00	3.00	3.00	BASALT, GREY, HARD	
CMPWU07	74.00	77.00	3.00	3.00	BASALT, GREY, HARD	
CMPWU07	77.00	80.00	3.00	3.00	BASALT, GREY, HARD	
CMPWU07	80.00	83.00	3.00	3.00	BASALT, GREY, HARD	
CMPWU07	83.00	86.00	3.00	3.00	BASALT, GREY, HARD	
CMPWU07	86.00	89.00	3.00	3.00	BASALT, GREY, HARD	
CMPWU07	89.00	92.00	3.00	3.00	BASALT, GREY, HARD	
CMPWU07	92.00	95.00	3.00	3.00	BASALT, GREY, HARD	
CMPWU07	95.00	95.80	0.80	0.80	BASALT, GREY, HARD	
CMPWU07	95.80	98.00	2.20	2.20	CLAYSTONE, CHOCOLATE BROWN, BROKEN IN PLACES	
CMPWU07	98.00	99.46	1.46	1.46	CLAYSTONE, CHOCOLATE BROWN, BROKEN IN PLACES	
CMPWU07	99.46	101.00	1.54	1.54	BASALT, GREY, HARD	
CMPWU07	101.00	104.00	3.00	3.00	BASALT, GREY, HARD	

**DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.**

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU07	104.00	107.00	3.00	2.95	BASALT, GREY, HARD	
CMPWU07	107.00	107.87	0.87	0.87	BASALT, GREY, HARD	
CMPWU07	107.87	110.00	2.13	2.13	SANDSTONE(FINE TO MEDIUM GRAINED), GREYSH WHITE, HARD & COMPACT	
CMPWU07	110.00	111.58	1.58	1.58	SANDSTONE(MED. TO C. GRAINED), GREYSH WHITE, HARD	
CMPWU07	111.58	113.00	1.42	1.42	CLAYSTONE, BROWN, FRACTURE	
CMPWU07	113.00	116.00	3.00	2.96	CLAYSTONE, BROWN, FRACTURE	
CMPWU07	116.00	117.10	1.10	1.08	SANDSTONE(FINE GRAINED), BROWN	
CMPWU07	117.10	117.65	0.55	0.55	SANDSTONE(MED. TO C. GRAINED), GREYSH WHITE	
CMPWU07	117.65	118.67	1.02	1.02	SANDSTONE(FINE GRAINED), YG, FRACTURE	
CMPWU07	118.67	119.00	0.33	0.30	CLAYSTONE, VARIEGATED, ALL OVER, BROKEN IN PLACES	
CMPWU07	119.00	119.79	0.79	0.79	CLAYSTONE, VARIEGATED, ALL OVER, BROKEN IN PLACES	
CMPWU07	119.79	120.65	0.86	0.86	SANDSTONE, GREYSH WHITE	
CMPWU07	120.65	122.00	1.35	1.32	CLAYSTONE, BROWNISH GREY, ALL OVER, BROKEN IN PLACES	
CMPWU07	122.00	125.00	3.00	2.98	CLAYSTONE, BROWNISH GREY, ALL OVER, BROKEN IN PLACES	
CMPWU07	125.00	125.30	0.30	0.30	CLAYSTONE, GREYSH BROWN	
CMPWU07	125.30	128.00	2.70	2.70	SANDSTONE(FINE TO MEDIUM GRAINED), GREYSH WHITE, BANDS, HARD	
CMPWU07	128.00	128.50	0.50	0.50	CLAYSTONE, GREYSH BROWN, BROKEN IN PLACES	
CMPWU07	128.50	130.46	1.96	1.96	SANDSTONE(FINE TO MEDIUM GRAINED), GREYSH WHITE, HARD	
CMPWU07	130.46	130.53	0.07	0.07	SHALE, GREY	
CMPWU07	130.53	131.00	0.47	0.47	CLAYSTONE, GREYSH BROWN	
CMPWU07	131.00	134.00	3.00	3.00	CLAYSTONE, BROWNISH GREY, ALL OVER, BROKEN IN PLACES	
CMPWU07	134.00	137.00	3.00	3.00	CLAYSTONE, BROWNISH GREY, ALL OVER, BROKEN IN PLACES	
CMPWU07	137.00	140.00	3.00	3.00	CLAYSTONE, CHOCOLATE BROWN, ALL OVER, BROKEN IN PLACES	
CMPWU07	140.00	143.00	3.00	2.95	CLAYSTONE, CHOCOLATE BROWN	
CMPWU07	143.00	144.62	1.62	1.62	CLAYSTONE, CHOCOLATE BROWN	
CMPWU07	144.62	146.00	1.38	1.38	SANDSTONE(FINE GRAINED), GREYSH WHITE, CLAYEY, OVER TOP, HARD	
CMPWU07	146.00	148.26	2.26	2.26	SANDSTONE(FINE GRAINED), GREYSH WHITE, CLAYEY, OVER TOP, HARD	
CMPWU07	148.26	149.00	0.74	0.74	SANDSTONE(FINE GRAINED), GREYSH BROWN, CLAYEY, HARD	
CMPWU07	149.00	149.30	0.30	0.30	CLAYSTONE, VARIEGATED, SANDY	
CMPWU07	149.30	151.32	2.02	2.02	SANDSTONE(FINE GRAINED), GREYSH BROWN, CLAYEY, HARD & COMPACT	
CMPWU07	151.32	151.73	0.41	0.41	SANDSTONE(FINE GRAINED), GREYSH WHITE	
CMPWU07	151.73	152.00	0.27	0.27	CLAYSTONE, CHOCOLATE BROWN, ALL OVER, BROKEN IN PLACES	
CMPWU07	152.00	155.00	3.00	3.00	CLAYSTONE, VARIEGATED, ALL OVER, BROKEN IN PLACES	
CMPWU07	155.00	158.00	3.00	2.99	CLAYSTONE, CHOCOLATE BROWN, ALL OVER, BROKEN IN PLACES	
CMPWU07	158.00	160.16	2.16	2.16	SANDSTONE(FINE GRAINED), VARIEGATED, CLAYEY	
CMPWU07	160.16	161.00	0.84	0.84	SANDSTONE(FINE GRAINED), GREYSH WHITE, OVER TOP, HARD	
CMPWU07	161.00	161.39	0.39	0.39	SANDSTONE(MEDIUM GRAINED), GREYSH WHITE, HARD & COMPACT	
CMPWU07	161.39	164.00	2.61	2.61	CLAYSTONE, VARIEGATED, ALL OVER, BROKEN IN PLACES	
CMPWU07	164.00	167.00	3.00	3.00	CLAYSTONE, VARIEGATED, ALL OVER, BROKEN IN PLACES	
CMPWU07	167.00	167.65	0.65	0.65	CLAYSTONE, VARIEGATED, SANDY	
CMPWU07	167.65	170.00	2.35	2.35	SANDSTONE(MEDIUM GRAINED), GREYSH WHITE, HARD	



**DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.**

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU07	170.00	171.00	1.00	0.90	SANDSTONE(MED. TO C. GRAINED), GREYSH WHITE, CLAYEY, OVER BASE, HARD & COMPACT	
CMPWU07	171.00	173.00	2.00	2.00	CLAYSTONE, VARIEGATED, OVER BASE, BROKEN IN PLACES	
CMPWU07	173.00	176.00	3.00	3.00	CLAYSTONE, VARIEGATED, OVER BASE, BROKEN IN PLACES	
CMPWU07	176.00	178.81	2.81	2.76	CLAYSTONE, VARIEGATED, OVER BASE, BROKEN IN PLACES	
CMPWU07	178.81	179.00	0.19	0.19	SANDSTONE(FINE GRAINED), GREYSH WHITE, HARD	
CMPWU07	179.00	180.40	1.40	1.40	SANDSTONE(FINE GRAINED), GREYSH WHITE, CLAYEY, HARD	
CMPWU07	180.40	182.00	1.60	1.58	CLAYSTONE	
CMPWU07	182.00	185.00	3.00	3.00	CLAYSTONE, VARIEGATED	
CMPWU07	185.00	188.00	3.00	3.00	CLAYSTONE, VARIEGATED, ALL OVER, BROKEN IN PLACES	
CMPWU07	188.00	188.90	0.90	0.85	CLAYSTONE, VARIEGATED, ALL OVER, BROKEN IN PLACES	
CMPWU07	188.90	191.00	2.10	2.10	SANDSTONE(MED. TO C. GRAINED), GREYSH WHITE, HARD	
CMPWU07	191.00	191.90	0.90	0.88	SANDSTONE(FINE TO MEDIUM GRAINED), GREYSH WHITE, HARD	
CMPWU07	191.90	194.00	2.10	2.09	CLAYSTONE, VARIEGATED, FRACTURE	
CMPWU07	194.00	197.00	3.00	3.00	CLAYSTONE, VARIEGATED, FRACTURE	
CMPWU07	197.00	200.00	3.00	3.00	CLAYSTONE, VARIEGATED, SANDY, OVER TOP, BROKEN IN PLACES	
CMPWU07	200.00	203.00	3.00	3.00	CLAYSTONE, VARIEGATED, ALL OVER, BROKEN IN PLACES	
CMPWU07	203.00	206.00	3.00	3.00	CLAYSTONE, VARIEGATED, ALL OVER, BROKEN IN PLACES	
CMPWU07	206.00	206.15	0.15	0.12	CLAYSTONE, VARIEGATED, ALL OVER, BROKEN IN PLACES	
CMPWU07	206.15	209.00	2.85	2.83	SANDSTONE(MED. TO C. GRAINED), GREYSH WHITE, HARD	
CMPWU07	209.00	209.26	0.26	0.25	SANDSTONE(MED. TO C. GRAINED), GREYSH WHITE, HARD	
CMPWU07	209.26	212.00	2.74	2.72	CLAY, VARIEGATED	
CMPWU07	212.00	212.58	0.58	0.54	CLAYSTONE, VARIEGATED	
CMPWU07	212.58	215.00	2.42	2.38	SANDSTONE(FINE TO COARSE GRAINED), CLAYEY, OVER TOP, HARD	
CMPWU07	215.00	215.22	0.22	0.22	SANDSTONE(COARSE GRAINED), GREYSH WHITE, CLAYEY, OVER TOP, HARD	
CMPWU07	215.22	218.00	2.78	2.78	CLAYSTONE, CHOCOLATE BROWN, ALL OVER, BROKEN IN PLACES	
CMPWU07	218.00	219.00	1.00	1.00	CLAYSTONE, GREYSH BROWN, SANDY, ALL OVER, BROKEN IN PLACES	
CMPWU07	219.00	220.12	1.12	1.12	SANDSTONE(FINE GRAINED), GREYSH YELLOW, CLAYEY	
CMPWU07	220.12	221.00	0.88	0.88	CLAYSTONE, CHOCOLATE BROWN, FRACTURE, BROKEN IN PLACES	
CMPWU07	221.00	221.28	0.28	0.26	CLAYSTONE, CHOCOLATE BROWN, FRACTURE, BROKEN IN PLACES	
CMPWU07	221.28	221.80	0.52	0.51	SANDSTONE(FINE GRAINED), VARIEGATED, CLAYEY	
CMPWU07	221.80	224.00	2.20	2.18	CLAYSTONE, VARIEGATED, SANDY, ALL OVER, BROKEN IN PLACES	
CMPWU07	224.00	224.30	0.30	0.30	CLAYSTONE, VARIEGATED, FRACTURE	
CMPWU07	224.30	224.56	0.26	0.26	SANDSTONE(FINE GRAINED), GREYSH WHITE, CLAYEY	
CMPWU07	224.56	225.73	1.17	1.17	CLAYSTONE, VARIEGATED, FRACTURE	
CMPWU07	225.73	227.00	1.27	1.27	SANDSTONE(FINE TO MEDIUM GRAINED), GREYSH BROWN, CLAYEY, HARD & COMPACT	
CMPWU07	227.00	228.97	1.97	1.97	SANDSTONE(FINE TO MEDIUM GRAINED), GREYSH BROWN, CLAYEY, HARD & COMPACT	
CMPWU07	228.97	229.47	0.50	0.50	CLAYSTONE, GREY, FRACTURE, BROKEN IN PLACES	
CMPWU07	229.47	229.82	0.35	0.35	SANDSTONE(FINE GRAINED), GREYSH WHITE, HARD & COMPACT	
CMPWU07	229.82	230.00	0.18	0.17	CLAYSTONE, YB, BROKEN IN PLACES	
CMPWU07	230.00	231.44	1.44	1.44	CLAYSTONE, VARIEGATED, SANDY, OVER TOP, BROKEN IN PLACES	
CMPWU07	231.44	231.59	0.15	0.15	SANDSTONE(FINE GRAINED), YG, CLAYEY	
CMPWU07	231.59	233.00	1.41	1.41	CLAYSTONE, VARIEGATED, SANDY, FRACTURE, BROKEN IN PLACES	

**DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.**

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU07	233.00	233.40	0.40	0.40	SANDSTONE(V.FINE GRAINED), BROWN, CLAYEY, FAULTED	
CMPWU07	233.40	235.70	2.30	2.30	CLAYSTONE, VARIEGATED, SYB, ALL OVER, FRACTURE, BROKEN IN PLACES	
CMPWU07	235.70	236.00	0.30	0.30	SANDSTONE(FINE GRAINED), BROWNISH GREY, CLAYEY	
CMPWU07	236.00	236.88	0.88	0.88	SANDSTONE(FINE GRAINED), BROWN, CLAYEY, HARD	
CMPWU07	236.88	238.62	1.74	1.74	CLAYSTONE, CHOCOLATE BROWN, CLAYEY, HARD	
CMPWU07	238.62	239.00	0.38	0.38	SANDSTONE(FINE GRAINED), BROWN, CLAYEY, HARD	
CMPWU07	239.00	239.51	0.51	0.51	SANDSTONE(FINE GRAINED), BROWN, CLAYEY, HARD	
CMPWU07	239.51	242.00	2.49	2.49	CLAYSTONE, CHOCOLATE BROWN, SANDY, OVER TOP, FRACTURE, BROKEN IN PLACES	
CMPWU07	242.00	242.42	0.42	0.42	CLAYSTONE, CHOCOLATE BROWN, ALL OVER, FRACTURE, BROKEN IN PLACES	
CMPWU07	242.42	245.00	2.58	2.58	SANDSTONE(FINE GRAINED), BROWN, CLAYEY	
CMPWU07	245.00	246.28	1.28	1.28	SANDSTONE(FINE GRAINED), BROWN, CLAYEY	
CMPWU07	246.28	247.11	0.83	0.83	CLAYSTONE, CHOCOLATE BROWN, FRACTURE	
CMPWU07	247.11	248.00	0.89	0.89	SANDSTONE(FINE GRAINED), BROWN, CLAYEY	
CMPWU07	248.00	251.00	3.00	2.96	SANDSTONE(FINE GRAINED), GREY, CLAYEY, HARD & COMPACT	
CMPWU07	251.00	252.19	1.19	1.19	SANDSTONE(FINE GRAINED), BROWN, CLAYEY, OVER TOP, BROKEN IN PLACES	
CMPWU07	252.19	252.59	0.40	0.40	CLAYSTONE, CHOCOLATE BROWN, FRACTURE, BROKEN IN PLACES	
CMPWU07	252.59	253.00	0.41	0.41	SANDSTONE(FINE GRAINED), BROWN, CLAYEY	
CMPWU07	253.00	254.00	1.00	1.00	CLAYSTONE, CHOCOLATE BROWN, ALL OVER, FRACTURE, BROKEN IN PLACES	
CMPWU07	254.00	256.20	2.20	2.16	CLAYSTONE, VARIEGATED, FRACTURE, BROKEN IN PLACES	
CMPWU07	256.20	257.00	0.80	0.79	SANDSTONE(FINE GRAINED), BROWN, CLAYEY	
CMPWU07	257.00	258.54	1.54	1.52	CLAY, BROWN, SANDY	
CMPWU07	258.54	260.00	1.46	1.44	SANDSTONE(FINE GRAINED), BROWNISH GREY, CLAYEY, HARD	
CMPWU07	260.00	263.00	3.00	3.00	SANDSTONE(FINE TO COARSE GRAINED), GREYSH WHITE, CLAYEY	
CMPWU07	263.00	266.00	3.00	2.96	SANDSTONE(FINE GRAINED), BROWN, CLAYEY, HARD	
CMPWU07	266.00	269.00	3.00	3.00	SANDSTONE(FINE GRAINED), GREYSH WHITE, CLAYEY, HARD	
CMPWU07	269.00	269.76	0.76	0.76	SANDSTONE(COARSE GRAINED), GREYSH WHITE, CLAYEY, OVER BASE, HARD	
CMPWU07	269.76	272.00	2.24	2.24	CLAYSTONE, CHOCOLATE BROWN, FRACTURE, BROKEN IN PLACES	
CMPWU07	272.00	274.57	2.57	2.57	CLAYSTONE, CHOCOLATE BROWN, SANDY, OVER MIDDLE, FRACTURE, BROKEN IN PLACES	
CMPWU07	274.57	275.00	0.43	0.43	SANDSTONE(FINE GRAINED), GREYSH BROWN, CLAYEY, HARD	
CMPWU07	275.00	278.00	3.00	3.00	CLAYSTONE, CHOCOLATE BROWN, FRACTURE, BROKEN IN PLACES	
CMPWU07	278.00	281.00	3.00	3.00	SANDSTONE(FINE GRAINED), BROWN, CLAYEY, FRACTURE, HARD	
CMPWU07	281.00	284.00	3.00	3.00	SANDSTONE(FINE GRAINED), GREYSH BROWN, CLAYEY, FRACTURE	
CMPWU07	284.00	287.00	3.00	3.00	SANDSTONE(FINE TO COARSE GRAINED), GREYSH WHITE, CLAYEY, OVER TOP	
CMPWU07	287.00	290.00	3.00	3.00	SANDSTONE(FINE TO COARSE GRAINED), GREYSH WHITE, CLAYEY	
CMPWU07	290.00	290.24	0.24	0.24	SANDSTONE(COARSE GRAINED), GREYSH WHITEBBLY, FAULTED	
CMPWU07	290.24	293.00	2.76	2.76	CLAYSTONE, CHOCOLATE BROWN, SANDY	
CMPWU07	293.00	294.15	1.15	1.15	CLAYSTONE, CHOCOLATE BROWN, SANDY	
CMPWU07	294.15	296.00	1.85	1.83	SANDSTONE(FINE GRAINED), BROWNISH GREY, CLAYEY	
CMPWU07	296.00	297.10	1.10	1.08	CLAYSTONE, CHOCOLATE BROWN, SANDY	

**DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.**

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU07	297.10	299.00	1.90	1.90	SANDSTONE(FINE GRAINED), BROWN, CLAYEY	
CMPWU07	299.00	301.31	2.31	2.31	SANDSTONE(FINE TO COARSE GRAINED), BROWNISH GREY, CLAYEY	
CMPWU07	301.31	301.66	0.35	0.35	CLAYSTONE, BROWN, FRACTURE, BROKEN IN PLACES	
CMPWU07	301.66	302.00	0.34	0.34	SANDSTONE(FINE GRAINED), BROWN, CLAYEY	
CMPWU07	302.00	302.18	0.18	0.18	SANDSTONE(FINE GRAINED), BROWN, CLAYEY	
CMPWU07	302.18	302.76	0.58	0.55	CLAYSTONE, BROWN, SANDY, OVER BASE	
CMPWU07	302.76	305.00	2.24	2.24	SANDSTONE(FINE GRAINED), GREYSH WHITE, CLAYEY, OVER TOP, HARD	
CMPWU07	305.00	308.00	3.00	3.00	SANDSTONE(FINE TO COARSE GRAINED), GREYEBBLY	
CMPWU07	308.00	311.00	3.00	3.00	SANDSTONE(COARSE GRAINED), GREYSH WHITE	
CMPWU07	311.00	312.59	1.59	1.59	SANDSTONE(FINE TO COARSE GRAINED), GREYSH WHITE, CLAYEY, OVER BASE	
CMPWU07	312.59	314.00	1.41	1.41	SANDSTONE(FINE GRAINED), BROWN, CLAYEY	
CMPWU07	314.00	317.00	3.00	3.00	SANDSTONE(FINE GRAINED), BROWN, CLAYEY	
CMPWU07	317.00	320.00	3.00	3.00	SANDSTONE(COARSE GRAINED), GREYSH WHITEEBBLY	
CMPWU07	320.00	320.54	0.54	0.54	SANDSTONE(COARSE GRAINED), GREYSH WHITEEBBLY	
CMPWU07	320.54	321.00	0.46	0.46	CLAYSTONE, BROWN, OVER TOP, BROKEN IN PLACES	
CMPWU07	321.00	322.10	1.10	1.10	SANDSTONE(FINE GRAINED), BROWN, CLAYEY	
CMPWU07	322.10	323.00	0.90	0.90	CLAYSTONE, CHOCOLATE BROWN, ALL OVER, FRACTURE, BROKEN IN PLACES	
CMPWU07	323.00	324.07	1.07	1.07	CLAYSTONE, CHOCOLATE BROWN, ALL OVER, FRACTURE, BROKEN IN PLACES	
CMPWU07	324.07	324.85	0.78	0.78	SANDSTONE(FINE GRAINED), BROWNISH GREY, CLAYEY	
CMPWU07	324.85	326.00	1.15	1.15	CLAYSTONE, CHOCOLATE BROWN, ALL OVER, FRACTURE, BROKEN IN PLACES	
CMPWU07	326.00	326.73	0.73	0.73	CLAYSTONE, CHOCOLATE BROWN, SANDY, FRACTURE, BROKEN IN PLACES	
CMPWU07	326.73	328.27	1.54	1.54	SANDSTONE(FINE TO MEDIUM GRAINED), GREYSH BROWN, CLAYEY	
CMPWU07	328.27	329.00	0.73	0.73	CLAYSTONE, CHOCOLATE BROWN, SANDY, OVER TOP, BROKEN IN PLACES	
CMPWU07	329.00	329.50	0.50	0.50	CLAYSTONE, CHOCOLATE BROWN, SANDY, OVER TOP, BROKEN IN PLACES	
CMPWU07	329.50	330.48	0.98	0.98	SANDSTONE(FINE GRAINED), GREYSH BROWN, CLAYEY	
CMPWU07	330.48	332.00	1.52	1.52	CLAY, BROWN, SANDY	
CMPWU07	332.00	332.60	0.60	0.60	SANDSTONE(FINE GRAINED), BROWN, CLAYEY	
CMPWU07	332.60	333.20	0.60	0.60	SANDSTONE(FINE GRAINED), BROWN, CLAYEY	
CMPWU07	333.20	335.00	1.80	1.80	CLAYSTONE, VARIEGATED, ALL OVER, FRACTURE, BROKEN IN PLACES	
CMPWU07	335.00	336.27	1.27	1.27	CLAYSTONE, CHOCOLATE BROWN, SANDY, ALL OVER, FRACTURE, BROKEN IN PLACES	
CMPWU07	336.27	338.00	1.73	1.73	SANDSTONE(FINE GRAINED), BROWNISH GREY, CLAYEY	
CMPWU07	338.00	341.00	3.00	3.00	SANDSTONE(FINE GRAINED), BROWNISH GREY, CLAYEY	
CMPWU07	341.00	344.00	3.00	3.00	SANDSTONE(FINE GRAINED), BROWNISH GREY, CLAYEY	
CMPWU07	344.00	347.00	3.00	2.92	SANDSTONE(FINE GRAINED), BROWNISH GREY, CLAYEY	
CMPWU07	347.00	350.00	3.00	3.00	SANDSTONE(FINE GRAINED), GREYSH WHITE, CLAYEY	
CMPWU07	350.00	353.00	3.00	2.91	SANDSTONE(FINE TO COARSE GRAINED), GREYSH WHITE, HARD	
CMPWU07	353.00	356.00	3.00	2.98	SANDSTONE(FINE GRAINED), GREYSH BROWN, CLAYEY, HARD	
CMPWU07	356.00	356.27	0.27	0.27	SANDSTONE(FINE GRAINED), BROWNISH GREY, CLAYEY	
CMPWU07	356.27	357.13	0.86	0.86	CLAYSTONE, CHOCOLATE BROWN, ALL OVER, FRACTURE, BROKEN IN PLACES	
CMPWU07	357.13	359.00	1.87	1.87	SANDSTONE(FINE GRAINED), GREYSH BROWN, CLAYEY	
CMPWU07	359.00	362.00	3.00	3.00	CLAY, BROWN, SANDY, BROKEN IN PLACES	
CMPWU07	362.00	362.41	0.41	0.41	SANDSTONE(FINE GRAINED), BROWNISH GREY, CLAYEY	

**DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.**

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU07	362.41	365.00	2.59	2.57	CLAYSTONE, CHOCOLATE BROWN, ALL OVER, FRACTURE, BROKEN IN PLACES	
CMPWU07	365.00	367.08	2.08	2.08	CLAYSTONE, CHOCOLATE BROWN, SANDY, ALL OVER, FRACTURE, BROKEN IN PLACES	
CMPWU07	367.08	368.00	0.92	0.92	SANDSTONE(FINE GRAINED), BROWNISH GREY, CLAYEY	
CMPWU07	368.00	369.36	1.36	1.36	SANDSTONE(FINE GRAINED), GREYSH WHITE, CLAYEY	
CMPWU07	369.36	371.00	1.64	1.62	CLAYSTONE, CHOCOLATE BROWN, SANDY, FRACTURE, BROKEN IN PLACES	
CMPWU07	371.00	371.53	0.53	0.51	CLAYSTONE, BROWN, BROKEN IN PLACES	
CMPWU07	371.53	374.00	2.47	2.47	SANDSTONE(FINE GRAINED), BROWNISH GREY, CLAYEY	
CMPWU07	374.00	374.81	0.81	0.81	CLAYSTONE, BROWN, FRACTURE, BROKEN IN PLACES	
CMPWU07	374.81	375.17	0.36	0.36	CLAY, GREYSH BROWN, SANDY	
CMPWU07	375.17	376.06	0.89	0.89	CLAYSTONE, BROWN, SANDY, BROKEN IN PLACES	
CMPWU07	376.06	377.00	0.94	0.94	SANDSTONE(FINE GRAINED), GREY	
CMPWU07	377.00	380.00	3.00	3.00	CLAYSTONE, CHOCOLATE BROWN, SANDY, BROKEN IN PLACES	
CMPWU07	380.00	382.80	2.80	2.80	CLAYSTONE, BROWN, ALL OVER, BROKEN IN PLACES	
CMPWU07	382.80	383.00	0.20	0.20	SANDSTONE(FINE GRAINED), GREYSH WHITE, CLAYEY, OVER TOP	
CMPWU07	383.00	385.92	2.92	2.92	SANDSTONE(MED. TO C. GRAINED), GREYSH WHITE	
CMPWU07	385.92	386.00	0.08	0.08	CLAYSTONE, BROWN, BROKEN IN PLACES	
CMPWU07	386.00	389.00	3.00	3.00	CLAYSTONE, VARIEGATED, FACTURE, SLICKENSIDED, BROKEN IN PLACES	
CMPWU07	389.00	391.88	2.88	2.84	CLAYSTONE, VARIEGATED, SANDY	
CMPWU07	391.88	392.00	0.12	0.12	SANDSTONE(FINE GRAINED), GREYSH BROWN, CLAYEY	
CMPWU07	392.00	393.70	1.70	1.70	SANDSTONE(FINE GRAINED), GREYSH BROWN, C6	
CMPWU07	393.70	395.00	1.30	1.28	CLAYSTONE, VARIEGATED, SANDY, FRACTURE, BROKEN IN PLACES	
CMPWU07	395.00	396.66	1.66	1.63	CLAYSTONE, VARIEGATED, SANDY, FRACTURE, BROKEN IN PLACES	
CMPWU07	396.66	398.00	1.34	1.32	SANDSTONE(FINE GRAINED), GREYSH BROWN, CLAYEY	
CMPWU07	398.00	399.82	1.82	1.82	SANDSTONE(FINE TO COARSE GRAINED), GREY, CLAYEY, HARD & COMPACT	
CMPWU07	399.82	401.00	1.18	1.18	CLAYSTONE, GREYSH BROWN, SANDY, BROKEN IN PLACES	
CMPWU07	401.00	403.13	2.13	2.13	SANDSTONE(FINE GRAINED), BROWNISH GREY, CLAYEY, HARD & COMPACT	
CMPWU07	403.13	404.00	0.87	0.87	CLAYSTONE, VARIEGATED, FACTURE, SLICKENSIDED, BROKEN IN PLACES	
CMPWU07	404.00	404.70	0.70	0.70	CLAYSTONE, VARIEGATED, FACTURE, SLICKENSIDED, BROKEN IN PLACES	
CMPWU07	404.70	407.00	2.30	2.30	SANDSTONE(FINE GRAINED), GREYSH BROWN, CLAYEY	
CMPWU07	407.00	407.36	0.36	0.34	SANDSTONE(COARSE GRAINED), GREYSH BROWN, C6	
CMPWU07	407.36	410.00	2.64	2.64	CLAYSTONE, VARIEGATED, OVER BASE, SLICKENSIDED, BROKEN IN PLACES	
CMPWU07	410.00	413.00	3.00	3.00	CLAYSTONE, GREYSH BROWN, SANDY, ALL OVER, FRACTURE, BROKEN IN PLACES	
CMPWU07	413.00	414.15	1.15	1.15	CLAYSTONE, VARIEGATED, FACTURE, SLICKENSIDED	
CMPWU07	414.15	415.74	1.59	1.59	SANDSTONE(FINE GRAINED), GREYSH BROWN, CLAYEY, HARD & COMPACT	
CMPWU07	415.74	416.00	0.26	0.26	CLAYSTONE, BROWN, FACTURE, SLICKENSIDED, BROKEN IN PLACES	
CMPWU07	416.00	416.27	0.27	0.27	CLAYSTONE, BROWN, SANDY, BROKEN IN PLACES	
CMPWU07	416.27	416.92	0.65	0.65	SANDSTONE(FINE GRAINED), GREYSH WHITE, CLAYEY	
CMPWU07	416.92	417.19	0.27	0.27	CLAYSTONE, VARIEGATED, SLICKENSIDED, BROKEN IN PLACES	
CMPWU07	417.19	418.66	1.47	1.47	SANDSTONE(FINE GRAINED), GREYSH BROWN, CLAYEY	
CMPWU07	418.66	419.00	0.34	0.32	CLAYSTONE, VARIEGATED	
CMPWU07	419.00	419.36	0.36	0.36	SANDSTONE(FINE GRAINED), GREYSH BROWN, CLAYEY	

**DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.**

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU07	419.36	421.35	1.99	1.99	CLAYSTONE, VARIEGATED, SANDY	
CMPWU07	421.35	422.00	0.65	0.65	SANDSTONE(FINE GRAINED), GREYSH BROWN, CLAYEY, HARD & COMPACT	
CMPWU07	422.00	422.98	0.98	0.98	SANDSTONE(FINE GRAINED), GREYSH WHITE, CLAYEY, HARD & COMPACT	
CMPWU07	422.98	423.43	0.45	0.45	CLAYSTONE, VARIEGATED, SANDY	
CMPWU07	423.43	424.20	0.77	0.77	SANDSTONE(FINE GRAINED), GREYSH WHITE, CLAYEY	
CMPWU07	424.20	425.00	0.80	0.80	CLAYSTONE, VARIEGATED, SANDY, BROKEN IN PLACES	
CMPWU07	425.00	426.13	1.13	1.13	SANDSTONE(FINE GRAINED), GREYSH WHITE, CLAYEY	
CMPWU07	426.13	427.21	1.08	1.08	CLAYSTONE, VARIEGATED, SANDY, BROKEN IN PLACES	
CMPWU07	427.21	427.34	0.13	0.13	INT. CLAY AND SANDSTONE, GREY	
CMPWU07	427.34	428.00	0.66	0.66	SANDSTONE(FINE GRAINED), GREYSH WHITE, HARD & COMPACT	
CMPWU07	428.00	429.35	1.35	1.35	SANDSTONE(MED. TO C. GRAINED), GREYSH WHITE, HARD & COMPACT	
CMPWU07	429.35	429.95	0.60	0.60	CLAYSTONE, VARIEGATED, SLICKENSIDED	
CMPWU07	429.95	431.00	1.05	1.05	SANDSTONE(FINE GRAINED), GREYSH BROWN, CLAYEY, HARD & COMPACT	
CMPWU07	431.00	431.98	0.98	0.98	SANDSTONE(FINE GRAINED), VARIEGATED, CLAYEY	
CMPWU07	431.98	434.00	2.02	2.02	SANDSTONE(FINE GRAINED), GREY, SHALY, BANDS	
CMPWU07	434.00	434.71	0.71	0.71	INT. SANDSTONE = SHALE, GREY	
CMPWU07	434.71	434.85	0.14	0.14	SHALE, GREY	
CMPWU07	434.85	435.71	0.86	0.86	SHALY SANDSTONE, GREY	
CMPWU07	435.71	436.78	1.07	1.07	SANDSTONE(COARSE GRAINED), COALY, STREAKS	
CMPWU07	436.78	437.00	0.22	0.22	SHALE, GREY	
CMPWU07	437.00	437.72	0.72	0.72	SHALY SANDSTONE, GREY, COALY, STREAKS	
CMPWU07	437.72	438.68	0.96	0.96	INT. SANDSTONE> SHALE, GREY	
CMPWU07	438.68	440.00	1.32	1.32	SHALY SANDSTONE, GREY, COALY, STREAKS	
CMPWU07	440.00	442.80	2.80	2.80	SANDSTONE(COARSE GRAINED), GREYSH WHITE, COALY, STREAKS	
CMPWU07	442.80	443.00	0.20	0.20	SHALE, GREY	
CMPWU07	443.00	445.55	2.55	2.55	SANDSTONE(MED. TO C. GRAINED), GREYSH WHITE, COALY, STREAKS	
CMPWU07	445.55	446.00	0.45	0.45	SHALY SANDSTONE, GREY	
CMPWU07	446.00	446.24	0.24	0.24	SHALY SANDSTONE, GREY	
CMPWU07	446.24	448.74	2.50	2.50	SANDSTONE(FINE TO COARSE GRAINED), GREYSH WHITE, COALY, STREAKS	
CMPWU07	448.74	449.00	0.26	0.26	SHALY SANDSTONE, GREY	
CMPWU07	449.00	449.38	0.38	0.38	SHALY SANDSTONE, GREY	
CMPWU07	449.38	450.95	1.57	1.57	SANDSTONE(MED. TO C. GRAINED), GREYSH WHITE, COALY, STREAKS	
CMPWU07	450.95	451.54	0.59	0.59	SHALY SANDSTONE, GREY	
CMPWU07	451.54	452.00	0.46	0.46	SANDSTONE(COARSE GRAINED), GREYSH WHITE	
CMPWU07	452.00	452.79	0.79	0.79	SANDSTONE(COARSE GRAINED), GREYSH WHITE, COALY, STREAKS	
CMPWU07	452.79	453.81	1.02	1.02	SHALY SANDSTONE, GREY	
CMPWU07	453.81	455.00	1.19	1.19	SANDSTONE(FINE GRAINED), GREY, SHALY, BANDS	
CMPWU07	455.00	458.00	3.00	3.00	SANDSTONE(FINE TO COARSE GRAINED), GREYSH WHITE, COALY, STREAKS	
CMPWU07	458.00	458.46	0.46	0.46	SANDSTONE(COARSE GRAINED), GREYSH WHITE, SHALY, BANDS	
CMPWU07	458.46	459.32	0.86	0.86	SHALY SANDSTONE, GREY	
CMPWU07	459.32	459.64	0.32	0.32	SHALE, DARK GREY	
<b>CMPWU07</b>	<b>459.64</b>	<b>463.73</b>	<b>4.09</b>	<b>4.09</b>	<b>COAL SEAM</b>	<b>IA</b>
CMPWU07	463.73	464.00	0.27	0.27	SHALY SANDSTONE, GREY	

DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU07	464.00	464.10	0.10	0.10	SHALY SANDSTONE, GREY	
<b>CMPWU07</b>	<b>464.10</b>	<b>467.52</b>	<b>3.42</b>	<b>3.37</b>	<b>COAL SEAM</b>	<b>IB</b>
CMPWU07	467.52	468.24	0.72	0.72	SANDSTONE(MEDIUM GRAINED), GREY, SHALY, BANDS	
<b>CMPWU07</b>	<b>468.24</b>	<b>468.56</b>	<b>0.32</b>	<b>0.32</b>	<b>COAL SEAM</b>	<b>IC</b>
CMPWU07	468.56	469.21	0.65	0.65	SHALY SANDSTONE, GREY	
CMPWU07	469.21	469.68	0.47	0.47	SHALE, GREY	
CMPWU07	469.68	469.87	0.19	0.19	SHALY SANDSTONE, GREY	
<b>CMPWU07</b>	<b>469.87</b>	<b>472.50</b>	<b>2.63</b>	<b>2.63</b>	<b>COAL SEAM</b>	<b>IIA</b>
CMPWU07	472.50	473.00	0.50	0.50	INT. SANDSTONE = SHALE, GREY	
CMPWU07	473.00	474.05	1.05	1.05	INT. SANDSTONE> SHALE, GREY	
CMPWU07	474.05	474.38	0.33	0.33	CARB SHALE HIGH	
CMPWU07	474.38	476.00	1.62	1.62	SHALY SANDSTONE, GREY	
CMPWU07	476.00	476.18	0.18	0.18	INT. SANDSTONE = SHALE, GREY	
<b>CMPWU07</b>	<b>476.18</b>	<b>476.70</b>	<b>0.52</b>	<b>0.52</b>	<b>COAL SEAM</b>	<b>IIB</b>
CMPWU07	476.70	478.87	2.17	2.17	SANDSTONE(FINE GRAINED), GREYSH WHITE, SHALY, BANDS	
<b>CMPWU07</b>	<b>478.87</b>	<b>480.91</b>	<b>2.04</b>	<b>2.04</b>	<b>COAL SEAM</b>	<b>IIC</b>
CMPWU07	480.91	481.08	0.17	0.17	INT. SANDSTONE> SHALE, GREY	
CMPWU07	481.08	481.24	0.16	0.16	SHALY COAL, BROKEN IN PLACES	
CMPWU07	481.24	481.32	0.08	0.08	SHALY SANDSTONE, GREY	
CMPWU07	481.32	481.38	0.06	0.06	CARB SHALE HIGH	
CMPWU07	481.38	481.46	0.08	0.08	SHALY COAL	
CMPWU07	481.46	482.00	0.54	0.54	SHALY SANDSTONE, GREY, BROKEN IN PLACES	
CMPWU07	482.00	484.06	2.06	2.06	SHALY SANDSTONE, GREY	
CMPWU07	484.06	485.00	0.94	0.94	SANDSTONE(FINE GRAINED), GREYSH WHITE, COALY, STREAKS	
CMPWU07	485.00	486.45	1.45	1.45	SANDSTONE(FINE GRAINED), GREYSH WHITE, COALY, STREAKS	
CMPWU07	486.45	487.10	0.65	0.65	INT. SANDSTONE = SHALE, GREY	
CMPWU07	487.10	487.95	0.85	0.85	SHALY COAL	
CMPWU07	487.95	488.00	0.05	0.05	SHALE, GREY	
CMPWU07	488.00	488.10	0.10	0.10	SHALE, GREY	
<b>CMPWU07</b>	<b>488.10</b>	<b>492.08</b>	<b>3.98</b>	<b>3.98</b>	<b>COAL SEAM</b>	<b>IV</b>
CMPWU07	492.08	492.26	0.18	0.18	SHALY SANDSTONE, GREY	
CMPWU07	492.26	492.76	0.50	0.50	COAL, FRACTURE, BROKEN IN PLACES	
CMPWU07	492.76	494.00	1.24	1.24	INT. SANDSTONE> SHALE, GREY	
CMPWU07	494.00	494.46	0.46	0.46	SANDSTONE(FINE GRAINED), GREYSH WHITE, SHALY, BANDS	
CMPWU07	494.46	495.20	0.74	0.74	SHALY SANDSTONE, GREY	
<b>CMPWU07</b>	<b>495.20</b>	<b>495.43</b>	<b>0.23</b>	<b>0.23</b>	<b>COAL SEAM</b>	<b>VA</b>
CMPWU07	495.43	496.49	1.06	1.06	SHALY SANDSTONE, GREY	
CMPWU07	496.49	496.68	0.19	0.19	SHALY COAL	
CMPWU07	496.68	497.00	0.32	0.32	SHALY SANDSTONE, GREY	
CMPWU07	497.00	498.30	1.30	1.30	SHALY SANDSTONE, GREY	
CMPWU07	498.30	498.69	0.39	0.39	INT. SANDSTONE = SHALE, GREY	
CMPWU07	498.69	498.92	0.23	0.23	SANDSTONE(FINE GRAINED), GREYSH WHITE, COALY, STREAKS	
CMPWU07	498.92	499.54	0.62	0.62	INT. SANDSTONE> SHALE, GREY	
CMPWU07	499.54	500.00	0.46	0.46	SHALE, GREY	
CMPWU07	500.00	500.34	0.34	0.34	INT. SANDSTONE = SHALE, GREY	
CMPWU07	500.34	501.00	0.66	0.66	SANDSTONE(FINE GRAINED), GREYSH WHITE, SHALY, BANDS	
CMPWU07	501.00	503.00	2.00	2.00	SHALY SANDSTONE, GREY	
CMPWU07	503.00	505.77	2.77	2.77	SANDSTONE(FINE GRAINED), GREYSH WHITE, SHALY, BANDS	
CMPWU07	505.77	505.91	0.14	0.14	COAL	
CMPWU07	505.91	506.00	0.09	0.09	SANDSTONE(FINE GRAINED), GREY	

DESCRIPTIVE LITHOLOGY DATA OF BOREHOLES DRILLED IN WEST OF URDHAN JAMUNIA BLOCK IN PRESENT PHASE OF NMET FUNDED  
EXPLORATION, PENCH KANHAN TAWA VALLEY COALFIELD, DISTRICT-CHHINDWARA, MADHYA PRADESH.

BH ID	FROM (M)	TO (M)	THICKNESS (M)	RECOVERY (M)	LITHOLOGY DESCRIPTION	SEAM / REMARKS
CMPWU07	506.00	506.22	0.22	0.22	SANDSTONE(FINE GRAINED), GREY, SHALY, BANDS	
CMPWU07	506.22	506.62	0.40	0.40	SHALE, GREY	
CMPWU07	506.62	506.89	0.27	0.27	INT. SANDSTONE> SHALE, GREYSH WHITE	
CMPWU07	506.89	507.77	0.88	0.88	SANDSTONE(FINE GRAINED), GREYSH WHITE, SHALY, BANDS	
<b>CMPWU07</b>	<b>507.77</b>	<b>508.21</b>	<b>0.44</b>	<b>0.44</b>	<b>COAL SEAM</b>	<b>VB</b>
CMPWU07	508.21	508.72	0.51	0.51	SHALE, GREY	
CMPWU07	508.72	509.00	0.28	0.28	SANDY SHALE, GREY	
CMPWU07	509.00	509.24	0.24	0.24	SHALY SANDSTONE, GREY	
CMPWU07	509.24	509.87	0.63	0.63	SANDSTONE(FINE GRAINED), GREYSH WHITE, COALY, STREAKS	
CMPWU07	509.87	510.85	0.98	0.98	SHALY SANDSTONE, GREY	
CMPWU07	510.85	511.07	0.22	0.22	SANDSTONE(MEDIUM GRAINED), GREYSH WHITE, COALY, STREAKS	
CMPWU07	511.07	512.00	0.93	0.93	SHALY SANDSTONE, GREY, COALY, BANDS	
CMPWU07	512.00	512.13	0.13	0.13	SHALE, GREY	
CMPWU07	512.13	512.27	0.14	0.14	COAL	
CMPWU07	512.27	512.39	0.12	0.12	SHALE, GREY	
CMPWU07	512.39	514.66	2.27	2.27	INT. SANDSTONE> SHALE, GREY	
CMPWU07	514.66	515.00	0.34	0.34	SHALE, GREY, SANDY, OVER BASE	