

Detailed Runwise lithologs of Boreholes drilled by MECL in Sitapur Block, District – Balaghat, Madhya Pradesh

Depth (m)			Ext. Thick. (m)	REC (%)	RQD	Colour	Lithology	Structure	Minerology	Remarks
From	To	Rec. Thick.								
BH.No.MSC-01										
0.00	3.00	0.20	3	6.67	0	Earthy	Soil / Sludge	-	-	
3.00	6.00	0.20	3	6.67	0	Earthy	Soil / Sludge	-	-	
6.00	7.00	0.30	1	30.00	0	Dark grey	Weathered Amphibolite/Metadolerites	Highly Fractured	Nil	
7.00	8.00	0.75	1	75.00	0	Yellowish grey	Weathered Amphibolite/Metadolerites	Highly Fractured	Nil	
8.00	10.00	1.15	2	57.50	10	Yellowish grey	Weathered Amphibolite/Metadolerites	Highly Fractured	Nil	
10.00	13.00	1.80	3	60.00	0	Yellowish grey	Weathered Amphibolite/Metadolerites	Highly Fractured	Nil	
13.00	16.00	2.50	3	83.33	18	Yellowish grey	Weathered Amphibolite/Metadolerites	Highly Fractured	Nil	
16.00	19.00	2.60	3	86.67	15	Yellowish grey	Weathered Amphibolite/Metadolerites	Highly Fractured	Nil	
19.00	22.00	2.25	3	75.00	12	Yellowish grey	Weathered Amphibolite/Metadolerites	Highly Fractured	Nil	
22.00	25.00	2.90	3	96.67	10	Yellowish grey	Meta-dolerites (Moderately weathered)	Highly Fractured	Nil	
25.00	28.00	2.70	3	90.00						
28.00	31.00	3.00	3	100.00	60	Greenish grey	Meta dolerite/Amphibolites (Dykes)	Coarse grained, shattered at places	Encrustations of Pyrrhotites at weak planes, dissemination of pyrite, Single speck of chalcopyrites @ 29.80m.	
31.00	34.00	3.00	3	100.00	56	Greenish grey	Meta dolerite	Coarse grained, moderately fractured and shattering at places	Occasional chalcopyrite along with encrustations of pyrrhotites along weak planes and dissemination of Pyrite	
34.00	37.00	3.00	3	100.00	59	Greenish grey	Meta dolerite	Coarse grained, shattering at places	Specks of chalcopyrite, encrustations of pyrrhotite along weak planes.	Quartz vein @ 36.40m Sulphides
37.00	40.00	3.00	3	100.00	45	Greenish grey	Meta dolerite	Coarse grained, highly fractured	Dissiminations of Chalcopyrite and occasional disseminations of pyrites, barren quartz vein @ 38.40m.	
40.00	43.00	3.00	3	100.00	36	Greenish grey	Meta dolerite	Highly Fractured at places, occasional quartz carbonate veins/ coarse grained.	Occasional speks of chalcopyrite, with dissemination of pyrites.	
43.00	46.00	2.20	3	73.33	30	Greenish grey	Meta-dolerites	Highly fractured, coarse grained.	Occassional specks of pyrite and dissemination of pyrites	
46.00	49.00	2.87	3	95.67	54	Greenish grey	Meta-dolerites	Highly fractured, coarse grained.	Occassional specks of pyrite and dissemination of pyrites	
49.00	52.00	2.91	3	97.00	48	Greenish grey	Meta-dolerites	Shattering at places, medium grained.	Occasional specks of chalcopyrite and encrustaion of pyrholites belts of chalcopyrite with crustations of pyrrhotites and dissemination of pyrites.	

Depth (m)			Ext. Thick. (m)	REC (%)	RQD	Colour	Lithology	Structure	Minerology	Remarks
From	To	Rec. Thick.								
52.00	55.00	2.90	3	96.67	78	Greenish grey	Meta-dolerites	Medium grained, hard compact.	Blebs of chalcopyrite with encrustations of pyrrhotite and dissemination of pyrites	
55.00	58.00	3.00	3	100.00	81	Greenish grey	Meta-dolerites	Medium grain with occasional quartz Carbonate veins, shattered at places.	Dissemination of chalcopyrite and pyrite encrustation of pyrrhotite along weak planes.	
58.00	61.00	3.00	3	100.00	76	Greenish grey	Meta-dolerites	Medium grained, shattered at places with Quartz Carboante Veins	Disseminations of pyrite, occasional specks of chalcopyrite.	
61.00	64.00	3.00	3	100.00	62	Greenish grey	Meta-dolerites	Medium grained wheathering at places	Disseminations of pyrite, encrustation of pyrrhotite.	
64.00	67.00	3.00	3	100.00	65	Greenish grey	Meta-dolerites	Medium grained, Shattering at places, Quartz felspathic veins at places.	Occasional Dissemination of chalcopyrite at along upto pyrites.	
67.00	70.00	2.92	3	97.33	73	Greenish grey	Meta-dolerites	Fine grained, evenly fractured, Quartz Carboante Veins at places	Encrustations of Pyrrhotites along weak planes, dissemination of pyrite.	
70.00	73.00	3.00	3	100.00	90	Greenish grey	Meta-dolerites	Fine grained, hard fractured, Quartz Carboante Veins at places	Dissemination of pyrites along with few occasional specks of pyrites	
73.00	76.00	3.00	3	100.00	91	Greenish grey	Meta-dolerites	Fine grained, hard & compact, very fine Quartz Carboante Veins	Disseminations of pyrites and chalcopyrite at places along with blebs & specks of chalcopyrite at places.	
76.00	79.00	3.00	3	100.00	82	Greenish grey	Meta-dolerites	Fine grained, band compact, trenly fractured Quartz Carboante Veins at places.	Blebs and specks of chalcopyrite along with pyrites, encrustation of pyrrhotites along weak planes.	
79.00	82.00	2.10	2.10	100.00	77	Greenish grey	Meta-dolerites	Fine grained, hard compact, Quartz Carboante Veins, evenly fractured.	Disseminations of chalcopyrite & pyrite along with encrustations of pyrrhotite,	
		0.90	0.90	100.00		Whitish grey	Granodiorite Gneiss	Very fine grained, hard, compact.	Nil	
82.00	85.00	3.00	3	100.00	84	Whitish grey	Granodiorite Gneiss	Moderately sheared, Fine grained, hard compact	Occassional disseminations of chalcopyrite along with pyrites.	
85.00	88.00	3.00	3	100.00	68	Whitish grey	Granodiorite Gneiss	Moderately sheared, Fine grained, fractured	Nil	
88.00	91.00	3.00	3	100.00	83	Whitish grey	Granodiorite Gneiss	Moderately sheared, Fine grained, fractured	Rare specks of chalcopyrite along with pyrite, rare disseminaitons of pyrite along with chalcopyrite	

Depth (m)			Ext. Thick. (m)	REC (%)	RQD	Colour	Lithology	Structure	Minerology	Remarks
From	To	Rec. Thick.								
91.00	94.00	2.85	3	95.00	81	Whitish grey	Granodiorite Gneiss	Moderately sheared, fractured, Quartz Carboante Veins	Nil	
94.00	97.00	2.96	3	98.67	84	Whitish grey	Granodiorite Gneiss	Moderately sheared, fractured, Quartz Carboante Veins at places	Nil	
97.00	100.00	2.92	3	97.33	78	Whitish grey	Granodiorite Gneiss	Hard and Compact, Quartz Carboante Veins, Fine grained, fractured at places.		
100.00	103.00	0.80	1.00	80.00	68	Whitish grey	Granodiorite Gneiss	Moderately sheared	Occasional disseminations of pyrites along with chalcopyrite	
		2.00	2.00	100.00		Greenish grey	Meta dolerites	Moderately sheared	Blebs and specks of chalcopyrite in Meta- dolerites along with Quartz Carboante Veins.	
103.00	106.00	2.00	2	100.00		Greenish grey	Metal dolerites	Fine grained, fractured at places Quartz Carboante Veins	Disseminaiton and specks of pyrite & chalcopyrite at places.	
		1.00	1	100.00		Whitish grey	Granodiorite Gneiss	Hard & compact Quartz Carboante Veins		
106.00	109.00	3.00	3	100.00	74	Whitish grey	Granodiorite Gneiss	Hard and Compact, Fine grained, fractured at places.	Nil	
109.00	110.10	1.10	1.1	100.00	87	Whitish grey	Granodiorite Gneiss	Hard and Compact, Fine grained, fractured at places.	Nil	

Depth (m)			Ext. Thick. (m)	REC (%)	RQD	Colour	Lithology	Structure	Minerology	Remarks
From	To	Rec. Thick.								
BH.No.MSC-02										
0.00	3.00	0.28	3.00	9.33	0	Earthy	Soil / Sludge			
3.00	6.00	0.66	3.00	22.00	0	Earthy brown	Soil / Sludge			
6.00	9.00	0.89	3.00	29.67	0	Earthy brown	Sand / Sludge			
9.00	10.00	0.14	3.00	4.67	0	Greenish	Sand / Sludge			
10.00	13.00	0.86	3.00	28.67	0	Greenish	Sand / Sludge			
13.00	16.00	0.29	1.00	29.00	0	Dirty white grey	Weathered Amphibolite/Metadolerites	Fracture and fragments		Sericitisation
16.00	19.00	0.60	3.00	20.00	0	Dirty white grey	Weathered Amphibolite/Metadolerites	Fracture and fragments		
19.00	22.00	0.40	3.00	13.33	0	Dirty white grey	Weathered Amphibolite/Metadolerites	Fracture and fragments		
22.00	25.00	1.40	3.00	46.67	10	Yellowish grey	Weathered Amphibolite/Metadolerites	Highly fractured		
25.00	28.00	0.95	1.00	95.00	10	Yellowish grey	Weathered Amphibolite/Metadolerites	Highly fractured		
		1.90	2.00	95.00	40	Greenish grey	Meta-dolerites	Highly fractured		
28.00	31.00	2.93	3.00	97.67	55	Greenish grey	Meta-dolerites	Highly fractured, fine grained	Occasional encrustations of pyrrhotites along weak planes	
31.00	34.00	2.80	3.00	93.33	52	Greenish grey	Meta-dolerites	Fractured at places, Fine grained to Medium grained	Occasional encrustation of pyrrhotites along weak planes	
34.00	37.00	2.90	3.00	96.67	73	Greenish grey	Meta-dolerites	Occasionally Quartz Carboante Veins, Fine grained to Medium grained, shattering at places	Occasional specks of chalcopyrite along with dissemination of pyrites in encrustations of pyrrhotites along weak zones.	
37.00	40.00	2.87	3.00	95.67	78	Greenish grey	Meta-dolerites	Rare Quartz Carboante Veins, Medium grained, fractured at places.	Occasional disseminations of pyrites , stains of pyrrhotites are rarely seen	
40.00	43.00	3.00	3.00	100.00	83	Greenish grey	Meta-dolerites	Very fine veinlets of QC, fractured at places	Pyrrhotites along weak planes are occassional	
43.00	46.00	2.60	3.00	86.67	71	Greenish grey	Meta-dolerites	Medium grained to Coarse grained, fractured at places	Pyrrhotites as encrustations along weak planes	
46.00	49.00	3.00	3.00	100.00	75	Greenish grey	Meta-dolerites	Coarse grained, shettering in last meter	Occassional dissemination of pyrites along with rare encrustation of pyrrhotite along weak planes	
49.00	52.00	3.00	3.00	100.00	52	Greenish grey	Meta-dolerites	Coarse grained, fractured & shettering at places	Pyrrhotites as smears and encrustations along weak planes.	
52.00	55.00	2.98	3.00	99.33	65	Greenish grey	Meta-dolerites	Coarse grained, occasional Quartz Carboante Veins, fractured at places	Encrustation of pyrrhotite along weak planes	

Depth (m)			Ext. Thick. (m)	REC (%)	RQD	Colour	Lithology	Structure	Minerology	Remarks
From	To	Rec. Thick.								
55.00	58.00	2.93	3.00	97.67	82	Greenish grey	Meta-dolerites	Coarse grained, occasional Quartz Carboante Veins, fractured at places	Encrustation of pyrrhotite along weak planes	Silicification at places along fracture
58.00	61.00	2.86	3.00	95.33	84	Greenish grey	Meta-dolerites	Coarse grained, fractured	Occasional encrustation of pyrrhotites along weak planes	
61.00	64.00	3.00	3.00	100.00	85	Greenish grey	Meta-dolerites	Coarse grained, fractured	Occasional encrustation of pyrrhotites along weak planes	
64.00	67.00	2.73	3.00	91.00	83	Greenish grey	Meta-dolerites	Coarse grained, fractured	Occasional encrustation of pyrrhotites along weak planes	
67.00	70.00	2.70	3.00	90.00	68	Greenish grey	Meta-dolerites	Occasionally Quartz Carboante Veins, Fine grained to Coarse grained, last 3rd portion highly fractured.	Encrustation of pyrrhotite along weak planes	
70.00	73.00	2.64	3.00	88.00	71	Greenish grey	Meta-dolerites	First 3rd portion highly fractured, Medium grained to Coarse grained, Occ. Quartz Carboante Veins	Occasional encrustations of pyrrhotite along weak planes	
73.00	76.00	2.48	3.00	82.67	65	Greenish grey	Meta-dolerites	Highly fractured at places shattering at places.	Occasional encrustations of pyrrhotite along weak planes	
76.00	79.00	2.85	3.00	95.00	88	Greenish grey	Meta-dolerites	Coarse grained, compact, fractured moderately	Disseminations of Pyrite along encrustation of pyrrhotites along weak planes, rare occurrence of Chalcopyrites	
79.00	82.00	2.88	3.00	96.00	85	Greenish grey	Meta-dolerites	Coarse grained, fractured.	Encrustations of pyrrhotite along weak planes, Rare rare occurrence of Chalcopyrites	
82.00	85.00	2.95	3.00	98.33	88	Greenish grey	Meta-dolerites	Quartz Carboante Veins veinlets, Coarse grained, fractured	Occasional encrustations of pyrrhotite along weak planes	
85.00	88.00	3.00	3.00	100.00	89	Greenish grey	Meta-dolerites	Quartz Carboante Veins veinlets, Medium grained, fractured	Occasional Specks of Bornite along with stringers of Chalcopyrite @ 86.10m exclusively in Quartz Carbonate Veins	
88.00	91.00	3.00	3.00	100.00	81	Greenish grey	Meta-dolerites	Quartz Carboante Veins, Medium grained, fractured	Disseminations of Chalcopyrite @ 90.00m	
91.00	94.00	3.00	3.00	100.00	89	Greenish grey	Meta-dolerites	Moderately fractured, Fine grained, Occasional Quartz Carboante Veins	Sulphides mineralisation along weak planes, such as dissemination of chalcopyrite and encrustations of Pyrrhotite	

Depth (m)			Ext. Thick. (m)	REC (%)	RQD	Colour	Lithology	Structure	Minerology	Remarks
From	To	Rec. Thick.								
94.00	97.00	3.00	3.00	100.00	91	Greyish black	Meta-dolerites	Medium grained, fractured, Occasional Quartz Carboante Veins	Ocassional encrustations of pyrrhotite along weak planes	
97.00	100.00	2.45	2.67	91.76	69	Greyish black	Meta-dolerites	Fine grained, fractured Occasional Quartz Carboante Veins	Encrustations of pyrrhotite	
		0.30	0.33	90.91		Whitish grey	Granodiorite Gneiss	Coarse grained fractured	Rare dissiminations of pyrite	
100.00	103.00	2.95	3.00	98.33	76	Whitish grey	Granodiorite Gneiss	Coarse grained fractured	Nil	
103.00	106.00	3.00	3.00	100.00	78	Whitish grey	Granodiorite Gneiss	Coarse grained, moderately sheared, fractured	Specks of pyrite and chalcopyrite along shearing plane	(H/W may be) (Chloritisation at places)
106.00	109.00	2.90	3.00	96.67	65	Whitish grey	Granodiorite Gneiss	Coarse grained, Occasional quartz veins	Nil	
109.00	112.00	2.90	3.00	96.67	61	Greenish white	Granodiorite Gneiss	Coarse grained, Occasional quartz veins (barren)	Rare Ocassional of pyrite along sheared plane	
112.00	115.00	2.97	3.00	99.00	71	Dirty grey	Granodiorite Gneiss	Coarse grained, evidences of chemical weathering such as Limonitic stains along fracture planes.	Nil	Sericitisation at places
115.00	118.00	3.00	3.00	100.00	68	Grey	Granodiorite Gneiss	Coarse grained, fractured barren Quartz Vein Intrusion.	Nil	
118.00	121.00	2.84	3.00	94.67	65	Grey	Granodiorite Gneiss	Coarse grained, vertical fractures at places	Nil	Chloritisation at places
121.00	124.00	2.48	3.00	82.67	61	Grey	Granodiorite Gneiss	Coarse grained, crushed at places, evidences of chemical weathering, highly altered	Not seen	Sericitisation at places
124.00	127.00	2.40	3.00	80.00	58	Grey	Granodiorite Gneiss	Coarse grained, crushed at places, evidences of chemical weathering, highly altered	Not seen	Sericitisation at places
127.00	130.00	1.30	3.00	43.33	25	Grey	Granodiorite Gneiss	Highly fractured/crushed, coarse grained	Nil	Chloritisation at places
130.00	133.00	2.66	3.00	88.67	35	Grey	Granodiorite Gneiss	Coarse grained Vertical fractures	Nil	Chloritisation at places

Depth (m)			Ext. Thick. (m)	REC (%)	RQD	Colour	Lithology	Structure	Minerology	Remarks
From	To	Rec. Thick.								
133.00	136.00	2.05	3.00	68.33	20	Grey	Granodiorite Gneiss	Coarse grained, evidences of chemical weakning highly fractured	Not seen	Sericitisation at places
136.00	139.00	2.18	3.00	72.67	55	Greenish grey	Granodiorite Gneiss	Coarse grained, Ocassional Quartz Carbonate Veins, felspathaic vein intrusion (27 cm), fractured at places.	Dissemination of pyrite along with chalcopyrite at places	
139.00	142.00	2.73	3.00	91.00	63	Greenish grey	Granodiorite Gneiss	Coarse grained, Ocassional Quartz Carbonate Veins, fractured at places.	Dissemination of pyrite along with chalcopyrite at places	
142.00	145.00	2.74	3.00	91.33	58	Greenish grey	Granodiorite Gneiss	Coarse grained, Ocassional Quartz Carbonate Veins, felspathic vein and fractured at places	Dissemination of pyrites with occasional specks of chalcopyrite at places, rare pyrrhotite occurrence as quartz encrustations along weak planes	
145.00	148.00	2.87	3.00	95.67	65	Light Greenish grey	Meta-dolerites	Limonitic stains along weak planes, fractured at places, medium grained; felspathic intrusion crushed at places	Occasional disseminations of pyrites with rare chalcopyrite	Sericitization
148.00	151.00	1.80	3.00	60.00	41	Greenish grey	Meta-dolerites		Dissemination of pyrites along with chalcopyrite at places	
151.00	154.00	0.53	0.53	100.00	54		Quartz vein	Shattered at places, medium grained, verical fractures, Ocassional Quartz Carbonate Veins	Barren	
		2.47	2.47	100.00			Meta-dolerites	-	Nil	Chloritisation
154.00	157.00	2.72	3.00	90.67	58	Greenish grey	Meta-dolerites	Fine grained, shattered at paces, fractured, Ocassional Quartz Carbonate Veins	Disseminations/ pyrites along with encrustations of pyrrhotites at place, very rare occurances of chalcopyrite	
157.00	160.00	2.85	3.00	95.00	68	Greenish grey	Meta-dolerites	Coarse grained, fractured, Ocassional Quartz Carbonate Veins	Disseminations/ pyrites along with encrustations of pyrrhotites at place.	

Depth (m)			Ext. Thick. (m)	REC (%)	RQD	Colour	Lithology	Structure	Minerology	Remarks
From	To	Rec. Thick.								
BH.No.MSC-03										
0.00	3.00	0.67	3.00	22.33	0	Earthy brown	Soil/Sludge			
3.00	6.00	0.76	3.00	25.33	0	Earthy brown	Weather cherts			
6.00	7.00	0.37	1.00	37.00	0	Earthy brown	Weather cherts			
7.00	10.00	0.53	3.00	17.67	0	Light brown	Sandy clay			
10.00	13.00	0.90	3.00	30.00	0	Light brown	Sandy clay			
13.00	16.00	0.92	3.00	30.67	0	Light brown	Sandy clay			
16.00	19.00	0.07	3.00	2.33	0	Greyish white	Weathered quartzites			Sericitised/chloride
19.00	22.00	0.35	3.00	11.67	0	Greyish white	Weathered quartzites			
22.00	25.00	0.15	3.00	5.00	0	Greyish white	Weathered quartzites			
25.00	28.00	0.40	3.00	13.33	0	Whitish grey	Sandy clay			
28.00	31.00	0.45	3.00	15.00	0	Whitish grey	Sandy clay			
31.00	34.00	0.94	3.00	31.33	0	Greyish white	Weathered Amphibolite/Metadolerites			
34.00	37.00	1.55	3.00	51.67	0	Greyish white	Weathered Amphibolite/Metadolerites			
37.00	40.00	2.30	3.00	76.67	20	Greyish white	Weathered Amphibolite/Metadolerites			
40.00	43.00	2.04	3.00	68.00	15	Greyish white	Weathered Amphibolite/Metadolerites			
43.00	46.00	2.33	3.00	77.67	25	Greyish white	Weathered Amphibolite/Metadolerites			
46.00	49.00	2.17	3.00	72.33	23	Greenish grey	Meta-dolerites	Shattered at places/vertical fractures	Occasional disseminations of pyrite at places.	
49.00	52.00	2.53	3.00	84.33	28	Greenish grey	Meta-dolerites	Coarse grained, highly fractured	Rare occurred of pyrite as disseminations	
52.00	55.00	2.80	3.00	93.33	42	Greenish grey	Meta-dolerites	Coarse grained, shattered/vertical fractured at places	Very rare occurrences of pyrite as fine dissiminations	
55.00	58.00	2.50	3.00	83.33	45	Greenish grey	Meta-dolerites		Rare occurrence of pyrrhotites as encrustations along weak planes/ fractured planes	Sericitised at places
58.00	61.00	2.90	3.00	96.67	65	Greenish grey	Meta-dolerites	Fractured, medium grained, shattered at places, limonite staining along fracture planes	Rare occurrence of fine disseminated pyrite clay with encrustation of pyrrhotites along fracture planes	
61.00	64.00	3.00	3.00	100.00	74	Greenish grey	Meta-dolerites	Medium grained, moderately fractured, limonites staining along fracture planes	Rare occurrence of fine disseminated pyrite clay with encrustation of pyrrhotites along fracture planes	
64.00	67.00	2.93	3.00	97.67	58	Greenish grey	Meta-dolerites	Highly fractured, fine grained, limonite staining along weak planes	Rare occurrence of pyrrhotites as small encrustations	
67.00	70.00	3.00	3.00	100.00	54	Greenish grey	Meta-dolerites	Fine grained, fractured, shattered at places	Rare occurrence of pyrrhotites as fine disseminations	

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From	To	Rec. Thick.								
70.00	73.00	2.40	3.00	80.00	57	Greenish grey	Meta-dolerites	Fine grained, fractured Occasional Quartz Carbonate Veins	Very rare occurrences of pyrite as stains small	
73.00	76.00	2.00	3.00	66.67	48	Greenish grey	Meta-dolerites	Medium grained, Occasional Quartz Carbonate Veins	Very rare occurrences of pyrite as stains small	
76.00	79.00	2.78	3.00	92.67	62	Greenish grey	Meta-dolerites	Medium grained, Occasional Quartz Carbonate Veins, fractured	Disseminations of pyrite, rare occurrence of pyrrhotite	
79.00	82.00	3.00	3.00	100.00	64	Greenish grey	Meta-dolerites	Medium grained, fractured, shattered places Occasional Quartz Carbonate Veins	Rare strangers of chalcopyrite	
82.00	85.00	2.73	3.00	91.00	61	Greenish grey	Granodiorite Gneiss	Medium grained, fractured Occasional Quartz Carbonate Veins	Occasional disseminations of pyrite along with chalcopyrite	
85.00	88.00	3.00	3.00	100.00	58	Greenish grey	Granodiorite Gneiss	Medium grained, fractured Occasional Quartz Carbonate Veins	Occasional dissemination of pyrrhotite along with (Arsenopyrite?)	
88.00	91.00	3.00	3.00	100.00	68	Greenish grey	Granodiorite Gneiss	Medium grained, fractured Occasional Quartz Carbonate Veins	Very rare disseminations of pyrite	
91.00	94.00	3.00	3.00	100.00	59	Greenish grey	Granodiorite Gneiss	Medium grained, fractured Occasional Quartz Carbonate Veins, crushed at places	Very rare disseminations of pyrite	
94.00	97.00	3.00	3.00	100.00	55	Greenish grey	Granodiorite Gneiss	Medium grained, Occasional Quartz Carbonate Veins, feldspathic vein intrusion (Orthoclase)	Very rare disseminations of pyrite along with chalcopyrite	
97.00	100.00	3.00	3.00	100.00	72	Greenish grey	Granodiorite Gneiss	Medium grained, Occasional Quartz Carbonate Veins, feldspathic vein intrusion (Orthoclase)	Rare disseminations of pyrite, Sulphides in quartz veins @ 95.60m	
100.00	103.00	3.00	3.00	100.00	52	Greenish grey	Granodiorite Gneiss	Medium grained, Occasional Quartz Carbonate Veins, feldspathic vein intrusion (Orthoclase), Occasional Quartz Carbonate Veins	Nil	Sericitization

[illegible]

Depth (m)			Ext. Thick. (m)	REC (%)	RQD	Colour	Lithology	Structure	Minerology	Remarks
From	To	Rec. Thick.								
BH.No.MSC-04										
0.00	3.00	0.30	3.00	10.00	0	Early brown	Soil/Sludge			
3.00	6.00	0.34	3.00	11.33	0	Early brown	Soil/Sludge			
6.00	7.00	0.16	1.00	16.00		Early brown	Soil/Sludge			
7.00	10.00	0.32	3.00	10.67	0	Early brown	Soil/Sludge			
10.00	13.00	0.34	3.00	11.33	0	Early brown	Soil/Sludge			
13.00	16.00	0.65	3.00	21.67	0	Dirty Grey	Weathered Amphlibolite/Metadolerites			
16.00	19.00	0.32	3.00	10.67	0	Dirty Grey	Weathered Amphlibolite/Metadolerites			
19.00	22.00	0.67	3.00	22.33	0	Dirty Grey	Weathered Amphlibolite/Metadolerites			
22.00	25.00	1.19	3.00	39.67	0	Dirty Grey	Weathered Amphlibolite/Metadolerites			
25.00	28.00	0.60	3.00	20.00	0	Dirty Grey	Weathered Amphlibolite/Metadolerites			
28.00	31.00	1.40	3.00	46.67	8	Dirty Greenish Grey	Weathered Amphlibolite/Metadolerites	Highly Fracured		
31.00	34.00	1.00	3.00	33.33	0	Dirty Greenish Grey	Weathered Amphlibolite/Metadolerites	Highly Fracured		
34.00	37.00	1.70	3.00	56.67	10	Dirty Greenish Grey	Weathered Amphlibolite/Metadolerites	Highly Fracured		
37.00	40.00	2.50	3.00	83.33	20	Dirty Greenish Grey	Weathered Amphlibolite/Metadolerites	Highly Fracured		
40.00	43.00	2.75	3.00	91.67	35	Greenish Grey	Hornblend ± chlorite ± str schist	Highly Fracured	Disseminations of pyrite along with chalcopyrite at place.	
43.00	46.00	2.75	3.00	91.67	30	Greenish Grey	Hornblende (± Chl) Quartz Schist	Intrusion of felspathic veins (Orthoclase), vertical fracture, shattring at place, highly fractured.	Disseminations of pyrite along with chalcopyrite smears at occasions.	
46.00	49.00	1.80	3.00	60.00	26	Greenish Grey	Hornblende (± Chl) Quartz Schist	Shattering at places, highly fractured,crushed at places.	Specks of chalcopyrite along with foliation / shearing planes, disseminations of pyrites	Serisitization at places
49.00	52.00	2.69	3.00	89.67	40	Greenish Grey	Hornblende (± Chl) Quartz Schist	Fractured, felspathic veins intrusion (Orthoclase)	Occasional dissemination of pyrite along with chalcopyrite	
52.00	55.00	2.90	3.00	96.67	65	Greenish Grey	Hornblende (± Chl) Quartz Schist	Felspathic vein intrusion (Orthclase) Ocassional Quartz Carbonate Veins. Occasional shattering at places.	Rare dissemination of pyrites.	Chloritisation
55.00	58.00	2.38	3.00	79.33	42	Greenish Grey	Hornblende (± Chl) Quartz Schist	Prominent vertical fractures, high crushed in lower run, felspathic vein intrusion	Dissemination of pyrite along foliation	Chloritisation at place
58.00	61.00	3.00	3.00	100.00	48	Greenish Grey	Hornblende (± Chl) Quartz Schist	fine grained, highly fractured.	Occasional dissemination of pyrite	Chloritisation

Depth (m)			Ext. Thick. (m)	REC (%)	RQD	Colour	Lithology	Structure	Minerology	Remarks
From	To	Rec. Thick.								
61.00	64.00	2.65	3.00	88.33	52	Greenish Grey	Hornblende (\pm Chl) Quartz Schist	fine grained, Occasional Quartz Carbonate Veins, fractured, feldspathic vein intrusion (Orthoclase)	Nil	
64.00	67.00	2.30	3.00	76.67	68	Greenish Grey	Hornblende (\pm Chl) Quartz Schist	fine grained, Occasional Quartz Carbonate Veins, fractured, feldspathic vein intrusion (Orthoclase) along weak planes	Occasional dissemination of pyrite (very rare)	
67.00	70.00	3.00	3.00	100.00	51	Greenish Grey	Hornblende (\pm Chl) Quartz Schist	fine grained, highly fractured, Occasional Quartz Carbonate Veins	Nil	Serisitization
70.00	73.00	1.50	3.00	50.00	35	Greenish Grey	Hornblende (\pm Chl) Quartz Schist	fine grained, fractured, Occasional Quartz Carbonate Veins	Very rare disseminations of pyrites	Serisitization
73.00	76.00	2.90	3.00	96.67	45	Greenish Grey	Hornblende (\pm Chl) Quartz Schist	fine grained, Occasional Quartz Carbonate Veins, fractured, feldspathic vein intrusion (Orthoclase)	Very rare disseminations of pyrites	
76.00	79.00	2.93	3.00	97.67	55	Greenish Grey	Hornblende (\pm Chl) Quartz Schist	fine grained, Occasional Quartz Carbonate Veins, fractured, feldspathic vein intrusion (Orthoclase)	Very rare disseminations of pyrites	
79.00	82.00	3.00	3.00	100.00	78	Greenish Grey	Hornblende (\pm Chl) Quartz Schist	fine grained, Occasional Quartz Carbonate Veins, fractured, feldspathic vein intrusion (Orthoclase)	Very rare disseminations of pyrites	
82.00	85.00	3.00	3.00	100.00	57	Greenish Grey	Granodiorite Gneiss	Highly Fracured, fine grained, feldspathic vein (Orthoclase) intrusion		Sericitisation
85.00	88.00	3.00	3.00	100.00	48	Greenish Grey	Granodiorite Gneiss	Highly Fracured, fine grained, feldspathic vein (Orthoclase) intrusion		Sericitisation
88.00	91.00	3.00	3.00	100.00	54	Greenish Grey	Granodiorite Gneiss	Fractured, Occasional Quartz Carbonate Veins, fine grained, feldspathic vein (Orthoclase) intrusion		Sericitisation

Depth (m)			Ext. Thick. (m)	REC (%)	RQD	Colour	Lithology	Structure	Minerology	Remarks
From	To	Rec. Thick.								
91.00	94.00	3.00	3.00	100.00	68	Greenish Grey	Granodiorite Gneiss	Fractured, Occasional Quartz Carbonate Veins, fine grained, feldspathic vein (Orthoclase) intrusion + vertical fractures		
94.00	97.00	0.60	0.60	100.00	54	Greenish Grey	Granodiorite Gneiss	Fractured, Occasional Quartz Carbonate Veins, fine grained, feldspathic vein (Orthoclase) intrusion + vertical fractures		
		2.40	2.40	100.00		Greenish black	Meta-dolerites	Fractured, fine grained	Encrustation of pyrrhotite along with dissemination. of pyrites	
97.00	100.00	2.90	3.00	96.67	82	Greenish black	Meta-dolerites	Fine grained, fractured, vugs & voids (Occasional)	Encrustation of pyrrhotite along with dissemination. of pyrites	
100.00	103.00	3.00	3.00	100.00	84	Greenish black	Meta-dolerites	Fine grained fractured, Occasional Quartz Carbonate Veins	Encrustation of pyrrhotite along with dissemination. of pyrites	
103.00	106.00	3.00	3.00	100.00	81	Greenish black	Meta-dolerites	Fine grained fractured, Occasional Quartz Carbonate Veins + vugs and voids	Encrustation of pyrrhotite along with dissemination. of pyrites	
106.00	109.00	3.00	3.00	100.00	84	Greenish black	Meta-dolerites	Fine grained, fractured, Occasional Quartz Carbonate Veins	Rare disseminations of pyrites	
109.00	112.00	3.00	3.00	100.00	85	Greenish black	Meta-dolerites	Fine grained fractured, vugs and voids	Very fine Rare dissemination of pyrites	
112.00	115.00	3.00	3.00	100.00	86	Greenish black	Meta-dolerites	Fine grained, fractured, vugs and voids + Xtalline Quartz	Rare disseminations of pyrites	
115.00	118.00	3.00	3.00	100.00	85	Greenish black	Meta-dolerites	Fine grained, fractured, Occasional Quartz Carbonate Veins	Rare encrustation of pyrrhotites at places	
118.00	121.00	2.90	3.00	96.67	79	Greenish black	Meta-dolerites	Fine grained fractured, vugs and voids	Very fine Rare dissemination of pyrites	
121.00	124.00	3.00	3.00	100.00	82	Greenish black	Meta-dolerites	Fine grained, fractured, vugs and voids, Occasional Quartz Carbonate Veins + Xtalline Quartz	Very rare dissemination of pyrites	
124.00	127.00	3.00	3.00	100.00	84	Greenish black	Meta-dolerites	Fine grained, fractured, vugs and voids, Xtalline Quartz at places	Encrustation of pyrrhotite, disseminations of pyrite (frac) & Chalcopyrite	

Depth (m)			Ext. Thick. (m)	REC (%)	RQD	Colour	Lithology	Structure	Minerology	Remarks
From	To	Rec. Thick.								
127.00	130.00	3.00	3.00	100.00	83	Greenish black	Meta-dolerites	Fine grained, fractured, vugs and voids, Xtalline Quartz at places	Encrustation of pyrrhotite, disseminations of pyrite (frac) & Chalcopyrite	
130.00	133.00	2.95	3.00	98.33	81	Greenish black	Meta-dolerites	Fine grained fractured, vugs and voids, Ocassional Quartz Carbonate Veins	Rare disseminations of pyrite (very fine)	
133.00	136.00	3.00	3.00	100.00	85	Greenish black	Meta-dolerites	Fine grained fractured, vugs and voids, Ocassional Quartz Carbonate Veins	Very rare disseminations of pyrite	
136.00	139.00	3.00	3.00	100.00	84	Greenish black	Meta-dolerites	Fine grained fractured, vugs and voids, Ocassional Quartz Carbonate Veins	Nil	
139.00	142.00	3.00	3.00	100.00	85	Greenish black	Meta-dolerites	Fine grained fractured, vugs and voids	Very rare disseminations of pyrite	
142.00	145.00	3.00	3.00	100.00	81	Greenish black	Meta-dolerites	Fine grained fractured, vugs and voids	Very rare disseminations of pyrite	
145.00	148.00	0.24	2.24	10.71	62	Greenish black	Meta-dolerites	Fine grained fractured, vugs and voids	Very rare disseminations of pyrite	
		0.76	0.76	100.00		Greenish Grey	Hornblende (\pm Chl) Quartz Schist	Fine grained fractured, felspathic vein (Orthoclase) intrusion, vugs and voids	Dissiminations of pyrite encrustation of pyrrhotite + occassional chalcopyrite	
148.00	151.00	3.00	3.00	100.00	63	Greenish Grey	Hornblende (\pm Chl) Quartz Schist	Fine grained fractured, felspathic vein (Orthoclase) intrusion, vugs and voids	Dissiminations of pyrite encrustation of pyrrhotite + occassional chalcopyrite	
151.00	154.00	2.00	3.00	66.67	41	Greenish Grey	Hornblende (\pm Chl) Quartz Schist	Highly fractured	Dissiminations of pyrite encrustation of pyrrhotite + occassional chalcopyrite	
154.00	157.00	3.00	3.00	100.00	45	Greenish Grey	Hornblende (\pm Chl) Quartz Schist	Fractured	Dissiminations of pyrite encrustation of pyrrhotite + occassional chalcopyrite	
157.00	160.00	3.00	3.00	100.00	51	Greenish Grey	Hornblende (\pm Chl) Quartz Schist	Fractured, medium grained, shattered at places; felspathic vein (Orthoclase)	Dissiminations of pyrite encrustation of pyrrhotite + occassional chalcopyrite	
160.00	163.00	3.00	3.00	100.00	54	Greenish Grey	Hornblende (\pm Chl) Quartz Schist	Fractured, medium grained, shattered at places; felspathic vein (Orthoclase)	Dissiminations of pyrite encrustation of pyrrhotite + occassional chalcopyrite	
163.00	166.00	3.00	3.00	100.00	66	Greenish Grey	Hornblende (\pm Chl) Quartz Schist	Fractured, medium grained, shattered at places; felspathic vein (Orthoclase)	Dissiminations of pyrite encrustation of pyrrhotite + occassional chalcopyrite	