

Details of Analytical Results of Composite Samples for 34 Elements analysis by ICP-MS method of boreholes drilled by MECL in Thakurdih Area-1 Block, District-East Singhbhum, Jharkhand
For 0.5% Cu Cut-off Zones

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S.No	BH No	Sample No	Lode No.	Rock type	From (m)	To (m)	Thickness (m)	Cu %	PPM (LOD = 0.1 PPM)																												Total REE	Total REE+Y+Sc																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
									Li	Be	Sc	Cr	Co	Ni	Cu	Zn	Se	Rb	Sr	Y	Zr	Nb	Mo	In	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er			Tm	Yb	Lu	Pb	Th	U																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
1	MTB-03	MTBCOM5/01	NB6	Garnetiferous Qtz-Chl-Mica schist+Qtz vein	51.00	53.50	2.50	0.55	23.98	1.11	23.21	76.79	120.16	156.40	0.57%	44.86	1.98	175.13	23.89	106.69	643.76	9.04	0.78	0.67	334.34	219.14	333.08	39.49	138.16	26.80	7.62	26.17	4.38	25.35	4.54	11.74	1.85	10.39	1.42	2.04	7.14	6.39	850.11	980.02																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
2	MTB-05	MTBCOM5/02	SB1	Metabasic schist	86.90	90.20	3.30	1.68	35.46	3.38	26.32	94.71	136.37	433.46	2.30%	80.50	3.41	228.16	47.92	212.82	268.84	8.10	44.01	0.71	413.39	145.83	232.35	28.97	109.20	26.69	2.97	35.10	7.64	52.68	9.45	23.68	3.57	18.62	2.30	7.33	9.71	55.49	699.05	938.19																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
3	MTB-05	MTBCOM5/03	SB1	Granite Gneiss	96.50	99.50	3.00	0.81	21.09	5.78	7.83	45.81	57.56	227.16	0.99%	58.44	2.64	93.68	74.45	102.28	489.85	8.48	14.39	0.34	366.07	216.29	327.88	40.43	148.36	31.45	3.09	31.04	5.33	29.57	4.55	10.53	1.52	8.48	1.11	17.32	20.41	13.41	859.62	969.73																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
4	MTB-05	MTBCOM5/04	Local	Granite Gneiss	105.50	108.00	2.50	1.34	20.11	5.18	7.08	59.16	66.16	301.36	1.29%	68.56	2.02	96.90	78.68	84.25	574.50	10.45	3.95	0.41	494.52	106.23	167.06	20.04	72.45	15.12	1.69	16.84	3.23	20.03	3.48	8.88	1.35	7.38	0.95	17.44	16.71	10.95	444.72	536.05																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
5	MTB-06	MTBCOM5/05	SB4	Quartz feldspathic amphibole - biotite - chlorite schist (Altered basic schist)	88.00	90.50	2.50	0.89	35.56	2.52	27.66	115.52	84.51	236.77	1.14%	647.80	1.05	215.73	88.05	40.39	365.96	5.06	10.54	0.25	267.11	93.34	146.82	17.05	58.29	10.62	1.64	10.80	2.01	12.01	1.90	4.47	0.66	3.73	0.46	6.26	26.49	63.74	363.81	431.86																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
6	MTB-06	MTBCOM5/06	SB3	Quartz feldspathic chlorite mica schist (silicified & altered) ±Amphibole	116.50	122.00	5.50	0.63	37.53	2.31	37.27	135.29	74.05	145.17	0.60%	35.72	1.23	188.53	68.73	67.25	358.14	8.07	5.67	0.29	343.61	125.26	197.08	23.74	86.14	16.93	3.04	16.03	2.73	16.52	2.93	7.86	1.24	7.16	0.95	3.04	15.14	14.37	507.63	612.14																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
7	MTB-07	MTBCOM5/07	NB3	Garnetiferous Qtz-Chl-Mica schist+Qtz vein	64.00	68.50	4.50	0.83	24.31	1.54	21.83	70.29	205.52	230.56	1.14%	125.62	3.29	162.93	23.75	108.74	614.76	7.53	45.55	0.55	296.27	463.30	734.19	100.93	335.90	51.67	7.22	41.64	6.23	30.21	4.74	11.34	1.75	9.75	1.33	1.87	7.28	132.41	1800.21	1930.78																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
8	MTB-07	MTBCOM5/08	NB1	Garnetiferous Qtz-Chl-Mica schist+Qtz vein	101.50	109.00	7.50	0.52	11.93	0.39	18.98	131.41	108.06	197.25	0.51%	80.16	0.89	21.43	17.37	42.35	365.14	5.67	7.89	0.48	56.48	53.46	93.55	11.00	39.62	8.32	2.23	8.72	1.60	9.25	1.74	4.82	0.81	4.85	0.72	1.98	5.79	10.65	240.67	301.99																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
9	MTB-08	MTBCOM5/09	SB3	Quartz feldspathic amphibole - biotite - chlorite schist (Altered basic schist)± Garnet	48.00	51.00	3.00	1.03	23.58	1.07	7.09	92.11	0.13%	325.66	1.24%	130.35	2.42	116.23	34.53	52.95	811.10	11.27	6.50	0.88	536.16	247.34	395.42	46.79	160.95	27.66	3.04	22.34	3.35	15.89	2.41	5.23	0.82	4.82	0.72	4.40	25.41	24.32	936.77	996.81																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10	MTB-08	MTBCOM5/10	1A	Quartz - k-feldspar chlorite - biotite schist±Amphibole (silicified & granitized)	199.00	206.50	7.50	1.28	22.86	2.95	24.41	155.09	129.81	582.98	1.54%	75.19	7.79	182.84	52.79	313.91	292.46	13.83	192.97	0.56	296.96	1089.45	1713.45	235.95	832.97	132.67	10.52	118.87	18.76	94.62	13.66	29.50	3.87	19.27	2.48	13.72	63.95	100.38	4316.04	4654.36																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
11	MTB-10	MTBCOM5/11	NB1	Garnetiferous Qtz-Chl-Mica schist+Qtz vein	139.50	142.00	2.50	0.55	27.87	1.75	27.74	142.51	288.03	634.22	0.71%	250.82	2.62	224.20	23.66	55.07	268.56	4.24	9.83	0.39	379.30	274.41	432.32	58.29	168.12	29.67	3.65	22.09	3.15	15.76	2.41	5.83	0.90	5.18	0.72	3.59	4.94	6.68	1022.48	1105.30																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
12	MTB-13	MTBCOM5/12	NB6	Metabasic schist/Altered metabasic schist (?)	31.00	34.00	3.00	1.01	12.62	1.84	25.03	917.99	96.60	465.81	1.42%	63.16	2.22	155.44	32.73	95.89	234.15	3.86	49.02	0.96	279.51	58.50	111.81	13.60	51.15	12.20	2.16	15.47	3.32	22.32	4.20	11.16	1.80	10.16	1.37	1.98	6.33	131.76	319.21	440.12																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
13	MTB-14	MTBCOM5/13	NB6	Garnetiferous Qtz-Chl-Mica schist+Qtz vein (Occasionally altered & Chloritised)	109.00	112.00	3.00	0.59	30.15	1.84	17.76	59.71	228.74	339.40	0.73%	45.02	2.10	259.51	53.48	66.51	631.40	7.55	3.93	0.47	717.25	179.15	275.34	32.67	113.13	21.53	3.69	18.45	2.82	15.52	2.72	7.19	1.09	6.19	0.85	2.21	8.21	7.46	680.35	764.62																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
14	MTB-15	MTBCOM5/14	SB1	Metabasic schist+Qtz vein	78.00	84.50	6.50	0.63	32.38	2.10	31.76	121.94	142.35	366.60	0.75%	50.46	2.12	254.43	111.41	141.35	338.25	7.86	10.71	0.44	537.16	191.11	304.49	36.60	127.16	25.05	2.74	24.99	4.89	32.24	6.11	16.11	2.51	13.64	1.77	3.08	8.51	119.85	789.42	962.53																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
15	MTB-15	MTBCOM5/15	SB1	Granite Gneiss	88.00	91.00	3.00	1.18	32.50	3.55	15.91	86.81	133.34	659.59	1.78%	77.92	5.27	184.88	100.76	223.33	467.09	10.62	67.47	0.58	599.68	441.82	725.54	104.43	376.32	67.25	6.04	64.45	11.41	65.44	10.28	23.77	3.38	17.55	2.12	9.12	20.45	102.56	1919.80	2159.03																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
16	MTB-17	MTBCOM5/16	SB1	Quartz feldspathic amphibole - biotite - chlorite schist (Altered and silicified basic schist)±Qtz vein	92.77	97.00	4.23	0.50	49.20	1.93	45.83	422.16	101.48	204.75	0.61%	60.91	0.75	423.27	43.62	58.82	128.52	6.14	4.65	0.24	394.50	29.34	53.07	6.46	23.89	5.66	1.07	6.98	1.63	12.57	2.61	7.36	1.26	7.70	1.01	2.49	5.72	17.58	160.60	265.25																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
17	MTB-17	MTBCOM5/17	SB1	Quartz feldspathic amphibole - biotite - chlorite schist (Altered and silicified basic schist)±Qtz vein	100.00	103.50	3.50	0.56	27.11	5.86	11.96	72.88	137.08	149.63	0.73%	54.85	1.25	141.63	128.07	27.20	624.74	11.63	52.84	0.19	408.14	106.67	166.75	19.61	67.91	12.50	1.66	10.98	1.77	9.10	1.35	3.12	0.46	2.58	0.36	8.31	31.28	39.81	404.81	443.97																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																

For 0.2% Cu Cut-off Zones																																												
S.No	BH No	Sample No	Lode No.	Rock type	From (m)	To(m)	Thickness (m)	Cu%	PPM (LOD = 0.1 PPM)																												Total REE	Total REE+Y+Sc						
									Li	Be	Sc	Cr	Co	Ni	Cu	Zn	Se	Rb	Sr	Y	Zr	Nb	Mo	In	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er			Tm	Yb	Lu	Pb	Th	U
1	MTB-02	MTBCOM2/01	NB1	Garnetiferous Qtz-Chl-Mica schist+Qtz vein	80.50	87.00	6.50	0.36	31.73	1.30	28.93	110.76	124.79	248.31	0.28	72.91	1.86	244.16	51.05	86.21	162.76	4.85	15.02	0.23	395.19	330.10	525.95	69.47	202.61	36.34	4.40	28.90	4.41	21.97	3.51	8.95	1.30	7.39	0.99	4.28	5.66	16.72	1246.28	1361.42
2	MTB-03	MTBCOM2/02	NB6	Garnetiferous Qtz-Chl-Mica schist+Qtz vein	50.50	53.50	3.00	0.46	22.87	1.63	22.99	60.06	112.31	140.89	0.44	35.79	2.15	159.08	21.98	119.04	636.74	10.06	0.63	0.61	292.55	211.28	334.64	39.70	139.28	27.69	7.67	26.40	4.50	25.38	4.70	13.04	1.95	11.36	1.57	4.08	8.41	6.85	849.17	991.20
3	MTB-03	MTBCOM2/03	NB4	Garnetiferous Qtz-Chl-Mica schist+Qtz vein	76.00	81.60	5.60	0.25	23.07	0.49	23.92	91.62	97.49	116.64	0.26	36.65	1.34	196.58	18.47	81.78	492.67	6.95	9.57	0.55	392.93	109.41	171.00	20.35	74.08	16.00	4.26	16.46	2.88	18.90	3.12	8.61	1.26	7.41	1.02	4.22	9.14	6.57	454.74	560.44
4	MTB-04	MTBCOM2/04	NB1	Garnetiferous Qtz-Chl-Mica schist+Qtz vein	50.00	81.00	31.00	0.27	29.14	1.30	30.16	142.77	141.01	268.70	0.28	65.48	2.34	230.82	29.33	63.60	236.59	4.45	15.18	0.27	345.73	335.01	544.90	69.84	208.19	38.19	4.89	27.37	3.73	16.60	2.65	6.90	0.99	5.92	0.79	4.50	6.48	20.99	1265.98	1359.73
5	MTB-05	MTBCOM2/05	SB2	Metabasic schist	78.00	81.50	3.50	0.39	13.39	2.81	9.07	42.64	38.97	52.16	0.32	55.13	0.86	109.12	150.95	74.20	786.31	10.48	15.52	0.26	634.26	129.79	208.03	23.49	79.89	14.75	1.99	13.46	2.38	14.66	2.86	8.09	1.25	7.34	0.98	8.27	21.16	27.89	508.97	592.24
6	MTB-05	MTBCOM2/06	SB1	Metabasic schist	85.00	101.00	16.00	0.59	23.47	2.68	14.58	51.64	64.60	211.13	0.74	76.84	1.80	144.03	66.48	105.17	553.99	9.12	18.06	0.29	476.20	154.45	246.15	29.65	106.58	22.68	2.29	23.19	4.21	24.17	4.33	11.27	1.63	9.34	1.22	18.83	17.33	19.26	641.15	760.91
7	MTB-05	MTBCOM2/07	Local	Granite Gneiss	105.50	109.00	3.50	0.97	17.75	4.64	6.67	42.05	48.52	230.63	0.88	49.56	1.63	99.13	67.31	80.39	627.52	10.58	3.67	0.29	535.45	101.82	164.97	19.29	68.99	14.33	1.56	15.25	2.86	17.08	3.15	8.20	1.23	7.04	0.92	15.83	18.69	10.31	426.71	513.77
8	MTB-06	MTBCOM2/08	SB5	Metabasic schist	43.00	46.00	3.00	0.23	21.25	2.97	12.91	89.69	367.13	0.12	0.20	43.66	2.76	146.26	185.21	126.80	759.85	11.35	16.65	0.26	753.56	179.06	282.00	34.30	124.67	27.93	3.19	30.26	5.91	35.61	6.07	14.65	1.98	10.40	1.27	5.79	24.17	156.24	757.30	897.00
9	MTB-06	MTBCOM2/09	SB4	Quartz feldspathic amphibole - biotite - chlorite schist (Altered basic schist)	84.00	91.00	7.00	0.57	29.62	3.74	20.91	93.78	62.69	176.81	0.62	46.87	0.84	159.90	135.05	35.81	604.17	7.60	22.67	0.16	261.08	76.59	125.92	14.53	51.07	9.81	1.45	9.69	1.69	9.34	1.56	3.92	0.55	3.33	0.45	6.98	27.47	36.74	309.92	366.64
10	MTB-06	MTBCOM2/10	SB3	Quartz feldspathic chlorite mica schist (silicified & altered)±Amphibole	115.50	124.30	8.80	0.46	35.74	2.32	36.16	110.92	78.70	162.68	0.45	55.39	1.25	231.61	58.50	72.84	470.39	9.23	11.25	0.27	456.64	113.77	186.44	22.46	82.12	16.56	2.98	15.61	2.72	16.26	3.03	8.31	1.27	7.60	1.07	5.87	20.32	26.44	480.19	589.19
11	MTB-06	MTBCOM2/11	SB2	Quartz feldspathic chlorite mica schist (silicified & altered)±Amphibole	128.80	133.30	4.50	0.20	27.83	2.60	27.96	43.69	93.54	109.69	0.19	22.87	0.86	271.80	27.65	48.59	880.48	14.31	6.58	0.19	762.69	96.72	160.08	19.32	72.70	15.66	2.87	15.52	2.63	13.67	2.11	4.95	0.71	4.19	0.60	5.40	30.15	9.71	411.74	488.29
12	MTB-07	MTBCOM2/12	NB3	Garnetiferous Qtz-Chl-Mica schist+Qtz vein	47.50	68.50	21.00	0.37	28.16	1.91	27.76	147.77	132.88	208.85	0.46	65.35	3.72	219.89	51.26	131.21	408.11	7.61	42.18	0.32	402.40	453.65	736.35	97.04	323.03	50.94	5.77	41.42	6.34	32.14	5.16	13.03	1.85	10.15	1.35	4.33	8.36	56.03	1778.20	1937.17
13	MTB-07	MTBCOM2/13	NB2	Garnetiferous Qtz-Chl-Mica schist+Qtz vein	73.50	80.00	6.50	0.23	33.24	1.50	35.90	134.65	108.35	193.25	0.23	56.30	1.17	274.14	112.27	63.81	333.81	5.21	8.35	0.23	495.80	166.50	261.17	30.35	102.12	19.37	2.83	16.24	2.57	13.79	2.42	6.69	0.97	6.03	0.84	5.42	5.83	7.06	631.90	731.61
14	MTB-07	MTBCOM2/14	NB1	Garnetiferous Qtz-Chl-Mica schist+Qtz vein	94.50	109.00	14.50	0.36	17.92	0.94	22.94	121.93	102.79	165.36	0.35	74.47	1.02	87.11	27.12	54.60	332.81	5.53	7.64	0.40	188.55	67.51	106.79	12.41	43.88	9.17	2.24	9.28	1.65	10.24	2.11	6.27	1.01	6.05	0.85	4.02	5.85	7.19	279.47	357.01
15	MTB-08	MTBCOM2/15	SB3	Quartz feldspathic amphibole - biotite - chlorite schist (Altered basic schist)± Garnet	47.50	51.00	3.50	0.92	23.77	1.95	7.27	63.04	0.12	309.86	1.06	81.59	1.88	120.41	37.69	53.80	854.83	11.75	4.93	0.72	547.81	231.07	368.61	44.01	148.92	26.73	2.86	21.03	3.14	14.63	2.19	5.27	0.75	4.89	0.70	6.15	24.60	24.71	874.80	935.87
16	MTB-08	MTBCOM2/16	SB1A	Quartz - k-feldspar chlorite - biotite schist±Amphibole (silicified & granitized)	199.00	207.00	8.00	1.21	23.90	3.62	24.61	116.75	129.39	554.70	1.39	70.28	7.76	184.16	51.87	301.06	284.66	13.82	147.60	0.48	289.87	882.88	0.14	191.26	688.38	115.04	8.67	103.36	16.30	82.04	12.39	27.97	3.59	19.67	2.21	16.86	53.35	101.99	2153.92	2479.59
17	MTB-09	MTBCOM2/17	Local	Garnetiferous Qtz-Chl-Mica schist+Qtz vein + Bands of Metabasic schist	68.50	70.50	2.00	0.23	38.17	1.55	33.32	445.63	109.38	268.03	0.30	46.72	2.70	419.06	31.48	129.27	453.28	11.11	73.12	0.28	515.52	426.81	692.90	89.98	292.44	44.82	3.31	35.72	5.71	30.64	5.20	13.18	1.81	9.96	1.26	4.43	15.63	22.82	1653.75	1816.34
18	MTB-09	MTBCOM2/18	NB4	Garnetiferous Qtz-Chl-Mica schist+Qtz vein + Bands of Metabasic schist	75.00	78.50	3.50	0.24	17.92	1.34	20.88	577.91	74.56	195.05	0.29	32.94	1.42	172.80	75.06	81.25	417.18	6.36	68.15																					