

**MINERAL EXPLORATION AND CONSULTANCY LIMITED**  
(A GOVT OF INDIA ENTERPRISE- CPSE MINIRATNA -I)

**Statement Showing Primary Analysis of Trace elements for Bedrock samples generated by Amritpur Area, Distt: Nainital, Uttarakhand.**

Sr.No.	Sample No	Ti	Co	Ni	Cu	Zn	As	Se	Rb	Sr	Y	Zr	Nb	Mo	Ag	Cd	Sn	Sb	Te	Cs	La	Ce	Nd	Sm	Eu	Gd	Yb	Lu	Hf	Ta	W	Pb	Bi	Au
		PPM																																
1	ABL/BR/01	0.72%	33.47	34.44	93.57	805.32	236.92	0.54	30.26	63.71	44.13	87.59	3.13	1.00	0.23	0.66	0.12	3.11	0.12	1.31	34.15	48.06	29.03	5.84	1.47	5.83	3.33	0.45	3.64	0.19	1.99	11.25	0.22	BDL
2	ABL/BR/02	0.44%	35.54	65.28	120.29	110.85	210.37	0.24	40.87	74.57	29.43	39.76	1.33	0.60	0.27	BDL	BDL	2.35	0.12	3.34	20.76	27.87	16.86	3.52	1.22	3.91	2.18	0.31	1.53	BDL	1.34	5.65	0.13	BDL
3	ABL/BR/03	0.81%	42.83	44.62	108.97	156.16	281.11	0.48	23.04	52.41	50.74	98.58	1.81	0.80	0.29	0.15	BDL	2.57	BDL	1.10	19.88	31.67	21.51	4.99	1.37	5.47	3.93	0.55	3.66	0.11	1.27	14.21	BDL	BDL
4	ABL/BR/04	0.30%	8.81	24.30	13.90	26.47	261.56	0.18	142.41	43.98	8.57	54.66	5.47	0.85	BDL	BDL	BDL	3.38	BDL	6.79	18.64	31.19	18.22	3.67	0.68	2.49	0.64	BDL	2.07	0.68	3.60	8.56	0.19	BDL
5	ABL/BR/05	0.53%	28.52	30.80	22.35	94.31	260.11	0.57	14.42	19.60	54.80	29.45	2.99	1.89	0.54	BDL	BDL	2.97	0.35	0.30	21.30	35.59	23.87	5.66	1.55	6.49	3.40	0.43	1.21	0.15	2.20	167.45	2.29	BDL
6	ABL/BR/06	0.29%	10.69	28.52	16.12	23.25	257.99	0.18	154.42	20.61	12.55	136.63	12.25	0.88	0.13	0.12	BDL	2.96	0.14	3.38	23.42	34.16	21.17	3.88	0.76	2.82	1.13	0.15	2.99	0.30	2.43	4.08	0.16	BDL
7	ABL/BR/07	1.00%	47.42	40.09	85.03	176.24	235.21	0.45	38.12	109.98	53.00	168.99	8.04	1.26	0.21	0.44	BDL	2.56	0.27	0.93	24.90	40.75	26.89	6.03	1.56	6.15	3.92	0.60	6.00	0.42	2.75	27.42	BDL	BDL
8	ABL/BR/08	0.47%	19.88	27.78	152.79	84.00	269.22	0.30	35.68	59.42	22.32	41.82	1.81	1.63	0.29	BDL	BDL	2.70	BDL	0.43	10.69	16.66	11.00	2.48	0.75	2.56	1.51	0.21	1.84	BDL	2.44	3.94	BDL	BDL
9	ABL/BR/15	0.96%	77.56	42.76	84.98	122.14	333.02	0.87	51.96	94.63	49.37	142.09	2.12	0.87	0.19	0.12	BDL	3.97	0.12	2.73	23.25	38.74	25.30	5.65	1.19	5.80	4.29	0.69	5.68	0.15	18.59	9.26	0.20	BDL
10	ABL/BR/20	0.12%	105.65	66.22	126.86	85.42	355.15	0.69	108.45	20.35	25.39	27.94	1.45	27.38	1.19	0.21	0.29	13.10	BDL	10.91	28.25	41.30	22.02	4.12	0.51	3.64	1.93	0.26	1.08	0.30	412.95	249.20	2.36	BDL
11	ABL/BR/22	101.72	251.20	22.47	21.80	20.24	313.13	BDL	15.54	14.33	4.62	4.49	0.96	1.09	0.18	0.12	BDL	2.70	BDL	1.23	2.32	3.32	2.01	0.52	0.11	0.49	0.34	BDL	0.18	BDL	535.80	253.35	1.66	BDL
12	ABL/BR/26	0.18%	6.86	23.53	19.43	43.78	239.71	0.39	74.11	115.38	23.71	10.63	2.03	0.42	BDL	0.11	BDL	2.38	1.13	5.35	25.64	37.72	20.59	4.08	0.74	3.53	1.93	0.30	0.41	BDL	41.44	11.33	0.35	BDL
13	ABL/BR/27	0.46%	13.97	31.55	24.33	92.25	289.23	0.84	153.98	59.82	30.47	71.27	5.38	0.63	0.11	0.22	0.12	3.25	BDL	8.48	56.14	102.55	45.31	8.20	1.43	6.59	2.58	0.39	2.16	0.62	16.51	18.98	0.37	BDL
14	ABL/BR/28	0.33%	11.23	27.12	26.69	71.32	245.53	0.69	113.87	46.99	43.28	18.35	3.80	0.76	BDL	0.10	0.13	2.58	BDL	6.69	57.76	104.12	47.80	9.24	1.52	7.63	3.50	0.51	0.57	0.23	7.93	17.76	0.57	BDL
15	ABL/BR/29	0.21%	8.43	24.90	19.19	45.88	276.97	0.36	60.35	91.65	24.51	12.68	1.71	0.84	BDL	0.12	BDL	2.40	BDL	2.78	25.98	38.89	21.18	4.01	0.73	3.48	1.99	0.31	0.57	BDL	5.02	10.45	0.15	BDL
16	ABL/BR/40	216.32	27.05	878.89	51.63	54.69	244.33	0.18	1.10	11.83	4.88	6.76	1.37	156.40	0.14	0.17	BDL	3.52	BDL	0.43	11.76	34.26	12.74	2.85	0.50	1.99	0.33	BDL	0.19	BDL	14.69	7.87	1.14	BDL
17	ABL/BR/41	0.62%	88.87	0.11%	130.40	308.05	235.71	0.33	30.48	70.16	49.30	173.23	3.32	192.54	0.20	0.29	0.11	3.59	0.12	1.09	26.78	43.55	28.11	6.03	1.25	5.74	3.59	0.50	4.36	0.37	10.11	17.35	0.19	BDL
18	ABL/BR/42	0.19%	70.91	961.18	110.57	87.29	0.19%	1.68	6.71	19.10	3.32	34.12	2.57	199.66	2.05	0.23	BDL	####	0.17	0.62	1.47	2.01	1.14	0.29	BDL	0.29	0.34	BDL	1.11	0.40	153.85	0.10%	2.87	BDL
19	ABL/BR/43	557.23	50.99	961.19	131.49	61.17	0.19%	0.66	2.71	13.48	1.71	23.06	3.63	213.03	1.49	0.27	BDL	####	0.12	0.42	1.09	1.57	0.87	0.20	BDL	0.20	0.18	BDL	1.04	0.16	16.32	940.11	1.65	BDL
20	ABL/BR/44	0.50%	65.33	0.11%	109.05	172.66	216.05	BDL	30.58	73.85	26.25	49.58	4.01	220.91	0.14	0.21	0.11	4.13	0.14	4.02	16.31	24.67	15.62	3.41	1.03	3.26	1.84	0.24	2.10	0.19	10.08	11.70	BDL	BDL
21	ABL/BR/45	0.33%	6.90	27.82	31.16	73.59	0.14%	3.09	201.05	40.37	264.08	55.78	6.15	11.83	0.56	BDL	1.39	8.00	BDL	5.57	44.44	72.23	39.59	15.16	3.01	26.34	8.22	1.00	2.17	0.92	5.67	142.23	2.88	BDL
22	ABL/BR/48	0.37%	24.99	39.67	40.01	229.21	229.20	0.39	17.44	149.05	25.73	119.54	5.00	5.76	0.13	1.16	BDL	2.91	BDL	0.76	9.43	15.72	10.71	2.48	0.70	2.53	2.35	0.38	4.06	0.82	3.55	43.32	0.15	BDL
23	ABL/BR/50	0.54%	36.83	156.68	301.35	97.12	488.86	0.39	62.13	95.25	31.22	74.79	1.93	20.68	0.20	0.17	BDL	5.41	BDL	1.87	15.12	21.51	13.19	2.94	0.99	3.24	2.58	0.35	2.97	0.20	11.35	5.06	BDL	BDL
24	ABL/BR/53	751.24	2.53	45.65	13.23	51.83	324.95	0.27	309.63	27.88	14.67	157.80	14.59	14.34	0.16	BDL	0.22	4.01	BDL	11.16	9.68	16.21	11.71	4.49	BDL	3.53	1.03	0.14	4.57	2.68	10.88	22.12	0.86	BDL
25	ABL/BR/56	0.15%	35.76	911.50	49.10	107.99	205.35	0.96	176.99	27.85	41.49	99.52	4.01	179.64	0.12	0.20	0.18	3.27	BDL	4.21	99.52	144.21	63.93	11.60	1.23	8.77	3.08	0.44	3.07	0.65	7.48	4.72	0.10	BDL
26	ABL/BR/58	0.11%	31.28	889.39	52.33	74.89	190.03	0.12	1.87	16.73	16.61	97.74	1.49	170.73	0.12	0.20	0.17	5.12	BDL	0.45	38.24	61.95	23.84	4.27	0.66	2.83	1.31	0.19	3.05	0.11	7.71	5.73	0.26	BDL
27	ABL/BR/59	441.19	30.16	0.10%	56.33	59.88	230.60	BDL	1.27	14.47	2.90	90.28	1.47	217.85	0.13	0.24	0.32	5.90	BDL	0.17	8.87	11.67	5.75	1.09	0.16	0.68	0.22	BDL	1.89	BDL	50.28	5.00	0.14	BDL
28	ABL/BR/62	96.87	30.35	937.16	71.51	58.96	274.11	0.72	1.06	13.44	28.91	50.25	1.35	204.87	0.16	0.24	0.11	28.62	BDL	0.22	1.43	3.58	2.95	1.90	0.54	2.87	1.61	0.21	1.56	BDL	12.38	12.46	0.77	BDL
29	ABL/BR/64	0.11%	55.49	974.72	0.19%	62.71	220.14	0.48	81.76	12.34	13.18	121.08	2.82	204.65	0.74	0.31	0.16	6.44	BDL	2.76	53.68	88.45	38.37	5.97	0.77	3.39	0.87	0.14	3.15	0.36	14.07	38.89	2.90	BDL

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		PPM																																
30	ABL/BR/65	0.40%	24.10	44.30	56.61	65.05	117.78	0.30	31.14	99.36	24.71	68.10	1.92	5.45	0.13	BDL	BDL	1.26	BDL	1.30	12.25	19.37	12.71	2.70	0.68	2.72	2.04	0.35	2.51	0.35	3.24	3.16	BDL	BDI
31	ABL/BR/66	0.26%	6.67	24.45	45.24	64.29	0.13%	0.66	376.96	37.78	36.06	113.32	7.22	7.90	0.99	0.20	0.30	30.87	BDL	7.03	96.17	126.80	50.78	8.91	1.10	6.95	2.17	0.30	3.77	1.47	8.55	953.40	2.44	BDL
32	ABL/BR/67	0.29%	11.86	46.61	0.37%	50.68	296.56	0.15	135.65	21.20	14.65	84.59	7.30	11.50	0.41	0.12	BDL	5.77	BDL	4.58	12.97	18.80	10.34	2.09	0.39	1.89	1.15	0.16	2.17	0.36	6.87	14.34	3.72	BDL
33	ABL/BR/69	762.08	129.97	13.86	145.53	19.91	241.92	0.59	57.34	25.80	50.31	23.69	1.45	1.51	0.16	BDL	0.25	3.92	BDL	1.91	15.57	24.93	15.67	3.90	0.53	4.24	3.26	0.45	1.02	0.12	329.61	9.09	0.61	BDL
34	ABL/BR/76	530.96	121.91	115.41	109.50	37.21	287.79	0.18	59.03	13.61	4.34	52.37	2.86	19.48	0.18	BDL	BDL	2.99	BDL	0.98	24.02	32.66	16.32	2.76	0.30	1.78	0.36	BDL	2.14	0.19	469.14	15.17	3.31	BDL
35	ABL/BR/80	0.94%	72.55	873.98	112.48	157.61	196.58	0.63	36.83	153.26	57.45	174.72	3.37	157.34	0.26	0.34	0.11	2.90	0.20	0.74	25.55	42.08	28.26	6.30	1.64	6.35	3.94	0.53	5.67	0.46	48.83	13.11	0.14	BDL
36	ABL/BR/82	0.32%	54.83	848.12	64.63	97.86	251.34	0.48	348.30	26.08	38.86	80.31	7.05	179.23	0.83	0.29	0.85	11.73	BDL	28.28	105.68	154.91	66.22	11.32	1.20	8.15	2.84	0.44	3.08	1.26	173.08	397.31	1.79	BDL
37	ABL/BR/83	0.39%	49.63	0.10%	115.28	129.53	608.22	0.45	34.06	39.58	6.83	42.03	6.27	222.40	0.48	0.26	0.13	29.00	0.23	1.48	2.31	3.15	2.05	0.55	0.30	0.60	0.63	BDL	2.30	0.69	16.52	0.10%	1.17	BDL
38	ABL/BR/87	0.73%	71.61	0.11%	126.13	278.12	192.76	0.51	26.07	306.71	60.04	81.13	4.06	226.51	0.14	0.50	0.13	3.68	BDL	1.65	31.33	49.31	31.91	6.62	1.87	6.83	4.56	0.66	3.08	0.48	14.12	13.48	BDL	BDL
39	ABL/BR/120	0.87%	61.64	92.02	97.13	257.23	451.97	0.72	27.93	151.02	44.51	123.72	6.52	14.46	0.23	0.54	BDL	8.42	BDL	0.97	25.59	40.27	25.82	5.41	1.38	5.27	3.45	0.51	5.58	0.84	11.51	69.70	0.43	BDL
40	ABL/BR/121	0.69%	41.10	62.95	115.55	148.76	201.03	0.30	43.84	30.42	32.31	108.88	5.21	4.77	0.15	0.14	BDL	2.76	BDL	2.62	9.38	18.58	16.73	4.33	1.27	4.36	2.17	0.31	5.12	0.57	12.56	7.27	BDL	BDL
41	ABL/BR/123	0.26%	45.72	40.21	21.06	36.61	477.05	0.48	443.32	24.20	65.89	58.99	11.65	8.97	0.53	0.13	0.35	6.79	BDL	18.92	74.11	119.53	50.43	9.94	1.16	8.64	5.48	0.77	2.48	1.81	190.23	345.90	3.29	BDL
42	ABL/SSS/19	0.20%	8.90	58.96	15.22	61.24	247.76	BDL	179.97	68.78	36.54	74.30	8.52	11.10	BDL	BDL	0.15	3.94	BDL	4.53	64.82	119.18	48.65	8.53	1.05	6.73	2.29	0.33	3.17	1.04	10.14	9.52	0.27	BDL