

MINERAL EXPLORATION AND CONSULTANCY LIMITED

(A GOVT OF INDIA ENTERPRISE- CPSE MINIRATNA -I)

Statement Showing Primary Analysis of P2O5 for Bedrock samples generated by Kaphalda Block, Distt: Nainital, Uttarakhand.

Sr No	Latitude	Longitude	Sender No.	P ₂ O ₅ %	CaO%	MgO%	Na ₂ O%	K ₂ O%	MnO%	SiO ₂ %	Al ₂ O ₃ %	Fe ₂ O ₃ %	LOI%
1	30.393238	78.224712	KAPBL/BR/01	0.10	25.14	13.42	0.05	1.32	0.08	15.30	4.55	1.99	37.61
2	30.394224	78.223839	KAPBL/BR/02	0.08	19.12	10.33	0.07	2.35	0.07	27.37	7.31	1.86	30.66
3	30.3939	78.2226	KAPBL/BR/03	0.15	0.68	1.81	0.08	3.39	0.01	39.29	11.28	32.18	10.33
4	30.391651	78.219905	KAPBL/BR/04	0.24	3.28	2.35	1.12	4.44	0.04	54.70	15.52	5.53	10.13
5	30.393052	78.215755	KAPBL/BR/05	0.07	20.69	11.10	0.10	2.36	0.06	25.58	7.13	3.20	29.17
6	30.395049	78.199883	KAPBL/BR/06	0.16	3.61	2.42	0.60	5.26	0.04	52.84	16.40	6.01	10.45
7	30.401171	78.202011	KAPBL/BR/07	0.25	1.00	3.05	0.21	7.55	0.04	60.72	15.91	5.65	3.90
8	30.411994	78.184757	KAPBL/BR/08	0.02	0.16	0.26	0.06	2.30	<0.01	78.25	4.44	11.28	2.64
9	30.419001	78.18623	KAPBL/BR/09	0.25	8.60	4.42	0.89	3.55	0.06	53.48	12.47	5.32	9.88
10	30.419001	78.18623	KAPBL/BR/10	0.14	6.59	4.23	0.82	4.29	0.06	51.26	13.92	5.46	11.24
11	30.423932	78.182619	KAPBL/BR/11	0.06	40.05	12.45	0.03	0.06	0.03	0.73	0.32	0.36	45.70
12	30.429099	78.175673	KAPBL/BR/12	0.44	4.04	2.76	0.12	4.48	0.03	41.82	12.51	9.87	19.12
13	30.430077	78.175299	KAPBL/BR/13	0.13	21.68	11.93	0.34	1.14	0.05	27.50	4.58	3.24	29.09
14	30.427147	78.18364	KAPBL/BR/14	0.04	32.90	18.92	0.01	0.02	0.05	1.08	0.45	0.40	45.85
15	30.426826	78.176142	KAPBL/BR/15	0.28	0.62	1.70	1.16	5.00	0.06	60.63	18.52	6.53	4.02
16	30.428403	78.176329	KAPBL/BR/16	0.12	0.52	1.82	0.08	6.18	0.01	60.46	18.63	2.69	7.71
17	30.428267	78.177754	KAPBL/BR/17	0.05	29.57	16.60	0.04	0.68	0.02	6.72	2.51	1.01	42.51
18	30.429156	78.176717	KAPBL/BR/18	0.12	12.24	7.00	0.14	2.25	0.03	51.08	7.18	3.16	16.17
19	30.428682	78.180412	KAPBL/BR/19	0.06	23.15	13.23	0.05	1.97	0.05	21.59	6.21	1.52	31.80
20	30.421812	78.18412	KAPBL/BR/20	0.09	33.12	18.78	0.01	0.02	0.05	2.26	0.18	0.39	44.75
21	30.417779	78.185951	KAPBL/BR/21	0.22	10.77	4.33	0.94	3.62	0.08	49.13	12.89	5.23	11.31
22	30.427685	78.177383	KAPBL/BR/22	0.15	30.10	16.57	0.01	0.71	0.03	7.95	2.24	0.76	41.14
23	30.426601	78.177841	KAPBL/BR/23	0.22	0.71	2.54	0.89	4.82	0.09	61.76	17.21	6.14	4.07
24	30.425027	78.17966	KAPBL/BR/24	0.16	4.42	4.16	0.79	4.56	0.07	55.00	16.06	6.60	7.00
25	30.4227	78.181598	KAPBL/BR/25	0.16	3.51	4.14	0.84	4.42	0.05	58.28	14.21	5.20	7.54
26	30.421086	78.185019	KAPBL/BR/26	0.19	3.51	4.04	0.88	4.69	0.09	56.99	16.33	6.45	5.64
27	30.418536	78.184179	KAPBL/BR/27	0.24	7.32	3.86	0.92	4.10	0.09	53.75	14.22	6.08	8.43
28	30.420502	78.179586	KAPBL/BR/28	0.32	11.97	5.96	0.59	3.37	0.25	45.62	11.10	6.11	13.75
29	30.416479	78.186127	KAPBL/BR/29	0.17	2.35	3.80	0.87	4.93	0.08	59.74	15.26	6.52	4.73
30	30.403575	78.195117	KAPBL/BR/30	0.18	3.30	4.45	0.41	5.35	0.06	57.72	15.34	6.24	5.63

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31	30.398341	78.19694	KAPBL/BR/31	0.16	4.05	4.91	0.16	5.64	0.07	55.84	14.89	6.10	6.83
32	30.397885	78.20146	KAPBL/BR/32	0.20	5.92	4.46	0.22	4.87	0.08	56.02	13.80	5.88	7.37
33	30.395012	78.200862	KAPBL/BR/33	0.16	4.38	3.43	0.39	5.07	0.06	56.88	15.16	5.37	7.58
34	30.401557	78.209918	KAPBL/BR/34	0.03	31.38	17.87	0.04	0.21	0.09	4.15	0.84	0.58	44.49
35	30.400333	78.195533	KAPBL/BR/35	0.26	15.09	6.48	0.07	3.03	0.30	45.16	6.92	4.63	17.38
36	30.396479	78.181927	KAPBL/BR/36	0.23	5.83	4.50	0.15	3.89	0.08	62.01	10.28	4.49	7.06
37	30.394827	78.185604	KAPBL/BR/37	0.17	5.93	3.97	0.14	5.61	0.09	57.59	13.27	4.70	7.39
38	30.413388	78.198468	KAPBL/BR/38	0.04	33.70	18.73	0.01	0.04	0.07	0.63	0.25	0.51	45.84
39	30.414006	78.192607	KAPBL/BR/39	0.12	6.99	4.13	0.10	4.09	0.03	60.54	11.00	2.11	10.00
40	30.41652	78.189442	KAPBL/BR/40	0.08	33.47	18.60	0.03	0.09	0.06	1.07	0.36	0.40	45.66
41	30.419304	78.188829	KAPBL/BR/41	0.06	18.65	9.93	0.07	3.25	0.03	29.44	9.06	1.82	26.99
42	30.428475	78.172459	KAPBL/BR/42	0.18	3.63	4.06	0.81	4.89	0.08	58.13	14.84	6.34	5.82
43	30.425878	78.173716	KAPBL/BR/43	0.22	0.27	2.57	0.17	5.66	0.67	62.09	15.20	8.22	3.72
44	30.422304	78.174913	KAPBL/BR/44	0.25	8.22	5.36	0.15	4.41	0.12	53.47	11.88	5.49	9.57
45	30.421071	78.170915	KAPBL/BR/45	0.04	0.10	0.19	0.05	2.04	0.01	90.90	3.80	1.79	0.68
46	30.415229	78.167055	KAPBL/BR/46	0.03	0.06	0.14	0.05	2.09	0.01	83.59	11.40	0.34	1.73
47	30.417196	78.18718	KAPBL/BR/47	0.15	0.21	1.72	0.84	5.87	0.01	60.14	18.03	6.02	5.68
48	30.415493	78.188169	KAPBL/BR/48	0.20	5.43	4.15	0.81	4.49	0.10	52.17	15.12	7.10	8.97
49	30.413397	78.18988	KAPBL/BR/49	0.13	9.53	6.12	0.72	3.89	0.15	45.66	13.37	6.74	12.60
50	30.41122	78.19288	KAPBL/BR/50	0.16	5.43	4.56	0.59	4.55	0.08	56.61	13.68	5.47	7.80
51	30.410104	78.188909	KAPBL/BR/51	0.16	4.57	5.21	0.16	5.28	0.08	55.88	14.16	6.11	7.08
52	30.433178	78.173634	KAPBL/BR/52	0.05	23.13	11.98	0.06	1.93	0.06	21.38	5.82	1.59	33.46
53	30.428983	78.178806	KAPBL/BR/53	0.28	28.52	15.22	0.02	0.05	0.04	21.51	0.31	0.38	33.49
54	30.406666	78.186405	KAPBL/BR/54	0.57	0.37	0.20	0.02	0.30	0.01	95.05	1.20	0.98	0.90
55	30.407379	78.188409	KAPBL/BR/55	0.16	0.41	2.00	0.16	8.57	0.05	58.86	20.85	3.89	3.93
56	30.40477	78.187071	KAPBL/BR/56	0.39	0.50	1.07	0.13	8.37	0.03	67.61	14.05	4.25	2.29
57	30.395963	78.204248	KAPBL/BR/57	0.16	2.83	4.33	0.16	6.11	0.09	56.32	16.10	6.83	5.67
58	30.396721	78.206019	KAPBL/BR/58	0.18	2.46	3.77	0.50	5.31	0.06	59.16	16.14	6.41	4.76
59	30.398109	78.205862	KAPBL/BR/59	0.21	0.30	3.13	0.46	5.27	0.04	61.59	17.48	6.42	3.79
60	30.399365	78.202334	KAPBL/BR/60	0.17	3.26	3.88	0.17	5.87	0.09	57.83	15.59	6.68	5.31
61	30.394483	78.197552	KAPBL/BR/61	0.16	3.09	2.57	0.67	5.52	0.05	58.64	17.18	5.04	5.80
62	30.397232	78.197719	KAPBL/BR/62	0.19	4.32	4.51	0.15	5.36	0.08	57.08	14.35	6.33	6.48
63	30.395778	78.195418	KAPBL/BR/63	0.11	31.66	17.01	0.02	0.39	0.04	4.41	1.66	0.60	43.89
64	30.395839	78.194169	KAPBL/BR/64	0.22	31.84	17.78	0.03	0.22	0.04	2.77	0.84	0.45	45.62
65	30.396609	78.192613	KAPBL/BR/65	0.23	32.02	17.69	0.01	0.22	0.07	3.26	1.03	0.56	44.75
66	30.395378	78.19324	KAPBL/BR/66	0.15	3.19	2.51	0.71	5.12	0.06	56.81	17.54	6.16	6.53

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67	30.395169	78.192051	KAPBL/BR/67	0.17	4.51	2.63	0.68	4.74	0.05	54.12	17.69	6.34	7.79
68	30.394671	78.191637	KAPBL/BR/68	0.19	2.10	1.94	0.61	5.65	0.04	60.68	17.73	5.45	4.32
69	30.395709	78.189414	KAPBL/BR/69	0.16	5.71	4.15	0.47	4.81	0.07	52.70	15.63	5.13	9.39
70	30.394843	78.188392	KAPBL/BR/70	0.16	4.45	3.82	0.65	4.85	0.06	58.11	14.74	5.87	6.12
71	30.396779	78.188328	KAPBL/BR/71	0.12	4.22	3.74	0.57	4.70	0.06	53.48	15.81	6.23	9.24
72	30.396844	78.185312	KAPBL/BR/72	0.13	4.01	2.88	0.53	4.99	0.08	54.61	16.44	7.12	7.84
73	30.392434	78.196991	KAPBL/BR/73	0.14	4.38	2.74	0.60	5.11	0.06	56.36	16.81	5.95	6.81
74	30.391459	78.194541	KAPBL/BR/74	0.13	3.97	2.56	0.60	5.20	0.05	56.27	17.72	5.87	6.59
75	30.392912	78.200069	KAPBL/BR/75	0.17	1.62	1.81	0.65	5.49	0.06	61.43	17.26	6.16	4.25
76	30.393025	78.203342	KAPBL/BR/76	0.26	4.45	3.12	0.09	5.16	0.04	53.47	15.86	4.72	9.58
77	30.392795	78.202979	KAPBL/BR/77	0.21	0.69	1.87	1.05	4.99	0.07	59.87	17.14	7.41	5.44
78	30.392623	78.202358	KAPBL/BR/78	0.13	4.15	3.00	0.82	5.03	0.04	52.37	16.34	6.65	8.87
79	30.389175	78.197745	KAPBL/BR/79	0.19	6.28	4.21	0.14	5.42	0.11	54.84	14.46	6.42	6.60
80	30.390947	78.200077	KAPBL/BR/80	0.20	4.38	2.47	0.49	5.08	0.08	57.82	15.30	6.43	6.70
81	30.392941	78.201362	KAPBL/BR/81	0.21	9.13	3.98	0.67	3.78	0.09	49.81	13.31	6.75	11.13
82	30.394114	78.20187	KAPBL/BR/82	0.62	0.32	1.84	0.85	6.05	0.02	55.91	16.43	10.11	5.24
83	30.399472	78.208167	KAPBL/BR/83	0.13	33.44	18.30	0.04	0.06	0.04	1.08	0.38	0.31	46.05
84	30.399309	78.206008	KAPBL/BR/84	0.26	0.32	1.65	0.62	6.03	0.01	62.43	18.29	3.42	5.38
85	30.399269	78.205272	KAPBL/BR/85	0.13	0.24	1.74	0.11	6.01	0.01	61.42	17.79	4.71	6.46
86	30.396738	78.190444	KAPBL/BR/86	0.18	0.95	2.83	0.56	5.69	0.03	59.59	17.35	6.21	4.98
87	30.423264	78.18894	KAPBL/BR/87	0.08	17.12	9.06	0.09	2.48	0.04	38.81	6.85	2.05	22.74
88	30.428927	78.188387	KAPBL/BR/88	0.06	18.86	9.44	0.08	3.01	0.05	30.12	8.91	2.04	26.65
89	30.42733	78.17866	KAPBL/BR/89	0.06	33.62	18.87	0.02	0.02	0.06	1.22	0.20	0.51	45.14
90	30.430404	78.176387	KAPBL/BR/90	0.20	5.07	2.89	1.23	4.07	0.06	53.93	13.81	6.27	9.44
91	30.432285	78.177433	KAPBL/BR/91	0.01	25.29	14.64	0.01	0.02	0.02	27.75	0.15	0.32	31.52
92	30.43186	78.17977	KAPBL/BR/92	0.03	32.44	17.89	0.06	0.20	0.09	3.69	0.78	0.70	43.88
93	30.43374	78.18144	KAPBL/BR/93	0.06	32.46	17.78	0.03	0.23	0.12	3.01	0.75	1.44	43.91
94	30.431457	78.173805	KAPBL/BR/94	0.12	0.11	1.95	0.30	6.28	0.01	56.24	17.63	5.46	9.90
95	30.428078	78.174471	KAPBL/BR/95	0.13	0.19	2.05	0.30	6.18	0.01	56.84	17.70	5.14	9.65
96	30.431759	78.175276	KAPBL/BR/96	0.12	20.20	10.56	0.09	2.30	0.05	29.25	6.69	2.44	27.85
97	30.407064	78.196703	KAPBL/BR/97	0.17	2.44	4.06	0.54	5.24	0.06	58.36	16.17	6.50	5.19
98	30.403133	78.199719	KAPBL/BR/98	0.16	2.73	4.21	0.57	5.21	0.05	56.68	16.83	6.43	5.71
99	30.40224	78.20345	KAPBL/BR/99	3.10	8.30	4.68	1.80	3.81	0.20	41.24	13.86	14.95	3.39
100	30.408537	78.206546	KAPBL/BR/100	0.03	32.34	18.93	0.04	0.16	0.05	1.76	0.50	0.51	45.45