



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

**Statement Showing XRD Phase Analysis for Bedrock samples generated by Amritpur Block, Distt: Nainital, Uttarakhand.**

Sl. No.	Latitude	Longitude	Senders number	Major (≥ 5 %)	Minor (≤ 5 % to ≥ 1 %)	Trace, Faint Trace (≤ 1 %)
1	29.29146476	79.61874039	ABL/XRD/01	K-Feldspar, Calcite, Quartz	Clinochlore	Plagioclase, Biotite
2	29.31866700	79.63211100	ABL/XRD/02	Quartz, Chamosite, Muscovite, Illite, K-Feldspar	Clinochlore	Plagioclase, Titanite
3	29.30891700	79.62388900	ABL/XRD/03	Quartz	Muscovite, Hematite	Biotite
4	29.30736100	79.62477800	ABL/XRD/04	Quartz	Hematite	Clinochlore, Biotite
5	29.31322200	79.63333300	ABL/XRD/05	Quartz, K-Feldspar, Biotite, Muscovite-Paragonite	Clinochlore	Labradorite
6	29.26865606	79.63210370	ABL/XRD/06	Quartz, Muscovite, Chamosite, Illite	Microcline	Titanite
7	29.30222200	79.56638900	ABL/XRD/07	Quartz	_____	Anatase, Chalcocite, Chamosite, Clinochlore, Calcite, Biotite, Phlogopite, Apatite
8	29.311111000	79.583056000	ABL/XRD/08	Quartz, Albite, Microcline	Labradorite, Orthoclase	_____
9	29.29722200	79.57000000	ABL/XRD/09	Quartz, Albite, Microcline	Adularia, Labradorite	_____
10	29.306667000	79.580833000	ABL/XRD/10	Plagioclase, Chamosite, Actinolite, Diopside, Phlogopite	Biotite	Orthoclase, Hematite, Muscovite

**Note:** Only crystalline phases of the samples are recorded. Amorphous phases are out of the scope of XRD and hence excluded.