

Details of XRD Studies Composite Samples in Nimbli Block, Tehsil: Fatehgarh, District - Jaisalmer, Rajasthan.

Sl. No.	Sample Name	Senders number	Major ($\geq 5\%$)	Minor ($\leq 5\%$ to $\geq 1\%$)	Trace, Faint Trace ($\leq 1\%$)
1	NIM-433	MNP/XRD-01	Quartz, Apatite, Muscovite	Kaolinite, Calcite	Langite
2	NIM-434	MNP/XRD-02	Quartz, Apatite, Calcite, Muscovite-Paragonite	Kaolinite, Illite	Phlogopite, Hollandite, Biotite
3	NIM-435	MNP/XRD-03	Quartz, Apatite, Calcite	Illite	Kaolinite, Magnetite, Langite, Barite
4	NIM-436	MNP/XRD-04	Quartz, Apatite, Crandallite, Muscovite, Calcite	Phengite	Goethite, Biotite
5	NIM-437	MNP/XRD-05	Quartz, Apatite, Muscovite, Calcite, Phengite, Crandallite	Illite	Phlogopite, Kaolinite, Magnesite
6	NIM-438	MNP/XRD-06	Calcite, Quartz, Apatite	Carlinite, Goethite	Birnessite, Jacobsite, Zeolite, Illite
7	NIM-439	MNP/XRD-07	Quartz, Calcite, Muscovite	Apatite	Biotite, Goethite, Tourmaline, Langite
8	NIM-440	MNP/XRD-08	Apatite, Quartz, Calcite, Muscovite	Langite, Biotite	Kaolinite, Sericite
9	NIM-441	MNP/XRD-09	Quartz, Calcite, Muscovite, Apatite	Sericite, Goethite, Biotite, Dickite	Phengite, Phlogopite, Hollandite
10	NIM-442	MNP/XRD-10	Quartz, Calcite, Muscovite, Apatite, Illite	Biotite	Kaolinite, Phengite, Brucite

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