

Details of XRD Analysis carried out on core samples in Murara-Devendrapura Block (G-3), District- Niwari, Madhya Pradesh

Sl. No.	Sample Number	Borehole No./ Sample No.	Depth (From)m	Depth (To) m	W Value (PPM)	Major ($\geq 5\%$)	Minor ($\leq 5\%$ to $\geq 1\%$)	Trace, Faint Trace ($\leq 1\%$)
1	MXD-01	MMDB-01/09	69.82	70.54	354.23	Quartz	Chamosite	Cuprite, Dolomite, Calcite
2	MXD-02	MMDB-02/27	85.27	86.23	559.51	Quartz, Albite	Microcline, Oligoclase	Zeolite
3	MXD-03	MMDB-02/48	104.75	105.65	561.28	Quartz, Albite	Anorthoclase	Clinochlore, Dolomite
4	MXD-04	MMDB-03/05	45.00	46.02	428.11	Quartz	Muscovite	Annite, Birnessite, Apatite, Biotite
5	MXD-05	MMDB-03/22	61.86	62.94	461.12	Quartz	Albite	Muscovite, Barite, Biotite
6	MXD-06	MMDB-03/41	86.83	87.77	531.71	Quartz, Albite	Microcline, Labradorite	Cuprite
7	MXD-07	MMDB-03/68	113.00	113.93	558.04	Quartz, Albite, Microcline	_____	Stannite, Birnessite
8	MXD-08	MMDB-04/09	60.00	61.01	541.05	Quartz	Muscovite	Biotite, Magnetite, Kaolinite
9	MXD-09	MMDB-04/22	72.97	74.00	526.75	Quartz, Albite	_____	Titanite
10	MXD-10	MMDB-05/02	67.46	68.17	333.82	Quartz, Albite	Chamosite, Anorthoclase	Muscovite, Illite, Dickite

Sl. No.	Sample Number	Borehole No./ Sample No.	Depth (From)m	Depth (To) m	W Value (PPM)	Major ($\geq 5\%$)	Minor ($\leq 5\%$ to $\geq 1\%$)	Trace, Faint Trace ($\leq 1\%$)
11	MXD-11	MMDB-06/01	63.58	64.13	228.03	Albite, Quartz, Microcline	Chamosite	_____
12	MXD-12	MMDB-07/18	105.80	106.78	383.66	Quartz, Muscovite	Chamosite, Biotite	Magnetite, Hematite
13	MXD-13	MMDB-08/18	83.79	84.73	455.39	Quartz	Sericite	Birnessite, Annite, Muscovite, Biotite, Apatite
14	MXD-14	MMDB-08/68	142.15	143.10	440.66	Quartz	Illite, Chamosite, Muscovite	Phlogopite, Kaolinite
15	MXD-15	MMDB-09/19 to MMDB-09/31	25.50	33.50	197.68	Quartz, Albite, Chamosite, Microcline, Anorthite	Labradorite, Orthoclase, Bytownite	_____
16	MXD-16	MMDB-09/56 to MMDB-09/62	54.85	61.12	326.74	Quartz, Albite	Chamosite, Microcline, Andesine	Chalcopyrite, Phlogopite
17	MXD-17	MMDB-09/80 to MMDB-09/87	77.85	85.94	320.03	Quartz	Clinocllore	Calcite, Muscovite, Andesine, Zeolite, Cassiterite
18	MXD-18	MMDB-10/12	80.00	80.75	504.54	Quartz	Muscovite	Annite, Clinocllore, Apatite, Birnessite
19	MXD-19	MMDB-10/50	117.32	118.33	586.63	Quartz, Chamosite	Dolomite	Clinocllore, Magnetite, Biotite, Apatite
20	MXD-20	MMDB-11/10	39.75	40.72	438.39	Quartz	Illite, Muscovite	Apatite, Biotite, Chamosite, Clinocllore

Note : Only crystalline phases of the samples are recorded. Amorphous phases are out of the scope of XRD and hence excluded. Sample no. MXD-15,16 & 17 formed by calculation of weighted average grade of the zone.