

**Statement showing the results of X-Ray Diffraction (XRD) analysis of selected borehole samples from the Ambara Maru Block, District Kachhh,  
Gujarat, drilled by MECL**

Sl. No.	Sample number	BH No.	From (m)	To (m)	Major ( $\geq 5\%$ )	Minor ( $\leq 5\%$ to $\geq 1\%$ )	Trace, Faint Trace ( $\leq 1\%$ )
1	MAMB-1/XR1	MAMB-01	15.00	19.00	Quartz, Microcline, Dolomite	Kaolinite, Orthoclase	Dickite
2	MAMB-2/XR2	MAMB-02	6.00	10.00	Quartz, Kaolinite, Orthoclase, Dickite, Muscovite	Dolomite, Illite	Phllogopite, Biotite
3	MAMB-3/XR3	MAMB-03	36.00	38.00	Quartz, Kaolinite, Microcline	Muscovite, Siderite, Dolomite, Clinochlore, Pyrite, Dickite	Magnetite, Biotite, Calcite

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