

**STATEMENT SHOWING XRD STUDIES CARRIED OUT BY MECL IN DHRANG BLOCK, DISTRICT - KACHCHH,
GUJARAT**

Sl. No.	Sample Name	Major ($\geq 5\%$)	Minor ($\leq 5\%$ to $\geq 1\%$)	Trace, Faint Trace ($\leq 1\%$)
1	MBD-01/01	Gibbsite, Hematite	Magnetite, Anorthite	Kaolinite, Chamosite, Biotite, Clinocllore, Boehmite
2	MBD-01/02	Gibbsite, Hematite	Anatase	Ilmenite, Goethite
3	MBD-01/03	Gibbsite, Hematite, Magnetite	Goethite, Dickite, Siderite, Anatase, Pyrite	Rutile, Biotite, Muscovite, Boehmite
4	MBD-04/01	Gibbsite, Anatase	Dickite, Microcline, Goethite, Kaolinite, Diaspore	Hematite-Ilmenite, Calcite, Pyrite, Chamosite, Chalcopyrite
5	MBD-05/01	Gibbsite,	Anatase, Kaolinite, Dickite, Anorthite	Illite, Diaspore, Magnetite, Hematite, Boehmite, Clinocllore, Phlogopite
Note: Only crystalline phases of the samples are recorded. Amorphous phases are out of the scope of XRD and hence excluded.				