

Statement showing X-Ray Diffraction (XRD) Analysis results for samples from the boreholes drilled by MECL in Parsada-Nawapara-Gurur G - 4 Block, Distt.-Balod, Chhattisgarh.

| 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 | MPN-01/X1 | MPN-01 | 21.10 | 50.00 | Quartz, Microcline, | Phengite, Clinocllore, Biotite, Orthoclase, | Glaucanite, Paragonite |
| 2 | MPN-02/X2 | MPN-02 | 3.50 | 28.00 | Quartz, Muscovite, | Illite-Smectite, Orthoclase, Paragonite, Kaolinite | Glaucanite, Phengite, Biotite, Phlogopite |
| 3 | MPN-03/X3 | MPN-03 | 8.50 | 14.00 | Quartz, Muscovite, Illite, | Clinocllore | Glaucanite, Goethite, Biotite |
| 4 | MPN-04/X4 | MPN-04 | 4.00 | 38.00 | Quartz, Microcline, | Phengite, Illite | Glaucanite, Biotite |
| 5 | MPN-05/X5 | MPN-05 | 32.00 | 44.00 | Quartz, Microcline, | Phlogopite | Glaucanite, Biotite, Kaolinite, Maghemite, Titanite |

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