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| **Technical Requirements – Sigma Mixer (Material Characteristics)** |
| Material Type Sugar Pharma Ceramics Abrasive Starch Plastic Food Guar Gum Others |
| Bulk Material Density (in gm/cc) | Feeding Material Temperature (in C°) |
| Moisture Content (in %) | Target Mixing Time (in Minutes) |
| Particle Size (mesh size) | Batch Mixing Size (in kg/Litres) |
|  Corrosive Material Non Corrosive Material  | Max. Lump Size (in mm) |
| **Operation Time / Processing Time Yes No** |
|  Batch Capacity (in kg/hr) Machine Utilization (in hrs/day) |
| **Material (MOC) Selection Yes No** |
| Contact Parts |  MS SS-304 SS-316 Other |
| Non Contact Parts |  MS SS-304 SS-316 Other |
| Structure / Foundation |  MS SS-304 SS-316 Other |
| Machine Finish |  GMP Non-GMP Any |
| **Cooling Jacket Selection Yes No** |
| Cooling Jacket Needed |  Yes No  |
| Cooling Media |  Water Oil Steam Mix Other |
| Liquid Addition by |  Open Line Spraying Manifold Block |
| **Mechanical Drive Selection Yes No** |
| Machine RPM |  Min. Max. |
| Drive Assembly |  Belt-Pulley Chain-Sprocket Direct Coupled |
| Gear Type |  Worm Reduction Inline Helical Planetary Cyclonical  |
| Gear Make (any Preference) |  Elecon Varvel PBL Bonfiglioli Rotomotive Others |
| **Electrical Drive Selection Yes No** |
| Motor Size (KW / HP / RPM) |  KW HP RPM |
| Motor Mounting (Frame Size) |  Foot Flange Other Frame Size |
| Motor Specifications |  Flame-Proof Flange Other Frame Size |
| Motor Make (any Preference) |  Crompton ABB Siemens Bharat Bijlee Nu Bharat Others |
| **Electrical Panel / Junction Box / PLC Selection Yes No** |
| Panel Size / Make |  |
| Electrical Parts to be used |  |

Above Technical Parameters / Clarity will be used to provide optimized solutions to suit requirements