|  |  |  |
| --- | --- | --- |
| **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