Motor Electrical Power Rating	Max. Starting Current*
Less than or equal 600 KW	6 X Full Load Current
Above 600 KW and up to 1200 KW	4 X Full Load Current
Above 1200 KW and up to 1800 KW	3 X Full Load Current
Above 1800 KW and up to 2400 KW	2 X Full Load Current
Above 2400 KW and up to 3000 KW	1.5 X Full Load Current

*Maximum permitted current per feeder during motor starting (including other running motors and loads) should not exceed 350 Amp at any circumstances.

11.1.12 Motor specification, starting method characteristics & specifications, number of motor starts per day & operation sequence, SLD drawings etc. shall be submitted for approval at design stage.

11.1.13 For loads that inject harmonics currents into DEWA's network, harmonic (voltage & current) study at point of connection is required and to be submitted for DEWA approval at the design stage, the client has to comply with DEWA's limits of Harmonic Emissions for voltage and current based on IEC 61000. Moreover, detailed specifications and size of equipment including harmonics spectrum shall be provided for DEWA approval.

11.1.14 Harmonics and Flickers site measurements shall be conducted by client after commissioning of project and report of measurements shall be submitted to DEWA. In case the measured values are exceeding DEWA's limits, the client should arrange for proper solution to reduce the harmonic emissions to the permissible limits.

11.1.15 Maximum allowable number of cables per trench for 11kV cables is 20 arranged in maximum two layers. (2.5 to 3-meter trench width on both sides of the road, close to 132/11kV S/S and 2.0/1.5 meters elsewhere depending on load distribution).

11.1.16 Clearance of minimum 2 meters shall be maintained between any MV cable trench and the surrounding heat sources such as 132kV cable trench.

11.1.17 Horizontal spacing between MV cables is 150mm (edge to edge for MV cables) and vertical spacing between layers is 100mm (edge to edge for 11kV cables).

11.1.18 Separate corridor shall be allocated for MV cable laying within project's premises along the road to ensure avoiding crossing between 132kV and MV cables.