

Specification for Electric Motor Winding Machines

a. Brief information on the project

In line with the Ethiopian transformation agenda, the British and German governments are supporting the country's pathway towards industrialization through the implementation of a joint project named Sustainable Industrial Clusters (S.I.C.). The project is implemented by the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH under a co-financing agreement between the Foreign, Commonwealth & Development Office (FCDO) of the United Kingdom and the German Federal Ministry for Economic Cooperation and Development (BMZ).

The S.I.C. project has the objective to foster job-effective growth while improving social and environmental sustainability in Ethiopia's manufacturing sector. Through its implementation, the S.I.C. project will contribute to closing the gap between aspirations and results of the industrial park agenda by providing multifaceted support for improvements in the areas of worker welfare, effective operations, and environmental sustainability of IPs, standards, and frameworks for environmental and social sustainability, as well as strengthening capacities of local companies to improve their integration into international value chains.

Industrial Parks Development Corporation (IPDC) is one of the main political partners for the S.I.C. project. IPDC is a state-owned organization with a mandate to construct and operate industrial parks in strategic locations of the country. IPDC owns international standard production sheds, leased land, one stop service center and various service buildings (clinic, fire station, entrance gate, police station, logistics buildings, etc.), asphalt roads and associated infrastructure, water supply stations and industrial sewage treatment plants, etc. built along electrical, mechanical, electromechanical, civil, and sanitary installations.

These infrastructures require close monitoring and professional maintenance to continue to provide the required quality of service. As part of infrastructures maintenance capacity building and support S.I.C is looking for a competent local supplier that can provide automated electric motor coil winding machine as per the below specification

b. Specification

- Type-Semi automated electric motor coil winding machine
- Number of turns counter display.
- Manual driven roller
- Jaw Opening capacity of a roller-20cm-40cm
- Machine size- 50cm*50cm*40cm
- Power AC220V,50HZ/60HZ
- Suitable for motors and transformers field coils up to 100kwatt.
- Device by single phase electric motor with speed control
- Speed range is up to 700rpm with gear box
- Correct torques can be adjusted.
- Fitted with revolution counter.
- Stops at correct count with preset value.

- With full accessories



Figure 1 Sample of the automatic motor coil winding machine

The item is to be delivered to Belles Tower, ECA Road Kirkos Subcity, Woreda 08 House number 3331 Addis Ababa, Ethiopia