SLIDING GATES

The Contractor shall supply, install, test and commission a high quality motor operated sliding gate from an approved manufacturer and design to organize the in / out vehicle movements in both the entrances of the building.

The system shall be supplied and installed by a specialist contractor, who shall be the main agent of the equipment supplied.

The system shall be supplied complete with a sufficient number of Remote Control Units.

The contractor shall submit to the Consultant 5 Copies of Descriptive Literature, Technical Data, Catalogues, List of Materials, Maintenance recommendation and Installation Instructions of all the Products used for Consultant/Client approval before the starting the work.

All the equipment and components shall conform to the European directives.

1. General:

1.1 The sliding gates shall be less than 1000 kg in weight.

1.2 Entry & exit shall be via remote control.

1.3 Sliding gates to be with self-locking gear motors and safety photo-cells.

2. Equipment's Specifications:

2.1 High performance fully automatic non-reversable electromechanical actuator.

2.2 Single phase main control panel (open-stop-close). The control Unit is powered by 230V / 240V A.C. The operation of the electronic control panel is managed by an intelligent microprocessor unit, and it is fitted with visual diagnostics via LEDs to check the state of the input and output of the control unit.

2.3 The sliding gate shall have self-locking 12 V DC low voltage gear motor. In case of power failure, the non-reversible motor can be unlocked with special key. They shall also be operated with a 12V 7Ah back-up battery.

2.4 Limit switches, speed regulation and obstacle detection shall be dedicated to the controls adjustment of the electronic control panel.

2.5 The mechanical components and the motor shall be housed on a die-cast aluminium base.

2.6 The gates to be complete with warning sign, rubber door stop, a pair of guides for adjustment of the rack, nylon rack and a pair of keys with key ring to open the mechanical actuator lock.

2.7 Flashing light indicating the gate movement on the housing. It shall have a Built – in Antenna, 433 Mhz Radio Receiver & support for surface wall - mounting.

2.8 Modulated infrared ray photocells. Weather-proof and mechanically resistant outside container. Pair of photo cells for mounting under the arm between the housing and column.

2.9 Two Channel Radio Control with 433.92 Mhz operating frequency. Powered by a 12 V D.C. battery.

2.10 The system shall have the below technical specifications:

Technical specifications

Supply voltage (Vac) (+6%, -10%)	:	230 / 240
Frequency (Hz)	:	50 - 60
Maximum power (VA)	:	150 - 220
Motor supply voltage (Vdc)	:	12
Rated motor power (W)	:	40
Motor speed (RPM)	:	1300
Reduction unit speed (RPM)	:	31.5 - 42.0
Gate speed (m/min)	:	7.5 - 10
Maximum gate weight (Kg)	:	600 - 1000
Rack module	:	4
Operating temperature (°C)	:	-20 to 55

3. Maintenance:

The system shall be warranted for a period of 12 months after commissioning the system. To maintain the system in a proper working condition a maintenance contract is strongly recommended.