

UNIVERSITY OF KERALA

ENGINEERING UNIT, KARIAVATTOM

TENDER SCHEDULE FOR PROVIDING BOOM BARRIER AT S. H. CAMPUS (ITEM RATE)

No	Qty	Unit	Description of Item	Unit	Rate	Rate in words	Amount
1	2	Nos.	<p>Supply, installation, testing and commissioning of boom barriers comprising the following.</p> <p>New Generation Road Barrier. Boom Length up to 7 meter (make: PARKI/VEGA/TORNADO/Equivalent)</p> <ul style="list-style-type: none"> • Motor Type- 24V DC • Protection -IP54. • Usage -Intensive use, • Housing - Galvanized and powder coated with minimum dimension :1300mmX330X240, • Adjustable opening / Closing speed - 4-8 Sec, • Max. Absorbed power - 300W . • Minimum Torque-600Nm. • In built encoder for safety. • Operating Temperature - -20 degree to +55 degree. • Control Panel- To be located horizontally at top portion of the cabinet minimum 915 mm above the Barrier foundation for simple and quick maintenance, to be compatible for connecting any access control system including RFID. • Provision for fixing Flashing LED on top of the cabinet. • Max. boom length up to 7 mtr. • Boom Should be with Strong round Aluminium pipe minimum 100mmdia, • Provision for fixing flashing LED illumination on both side of the boom at middle line. <p>Also with provision for fixing RED reflective adhesive stickers on both side of the boom.</p> <ul style="list-style-type: none"> • Suitable for fixing additional brake away system for the boom. Manual operation needed in case of power failure. • Provision for connecting Push Button switch for open/close. Provision for connection photoelectric cell, one side with an adapter on the cabinet. • Provision for connecting Loop detectors. <p>(Quoted rate is inclusive of all taxes and duties).</p>	Each			
			Comprehensive Annual Maintenance Contract of Boom Barriers for two years after warranty period of one year.				
2	2	Nos.	For first year after the warranty period	Each			

2	Nos.	For second year after the warranty period	Each			
TOTAL			Rs.			

Agreed at quoted rates.

Special Conditions

The following activities/works/checks which is required in the warranty period should be performed by the contractor.

1. Visual check once in a month.

- a. Check the adequacy of functioning of barrier and carry out the necessary repair as required.
- b. Check the power supply for its working conditions and take corrective measures as required.
- c. Check the functioning of motor and take corrective measures as required.
- d. Check the operating time of boom barrier and take corrective measures as required.

2. Physical Checks

- i. Routine servicing of the entire system (2 numbers) – Three times in a year.
- ii. Greasing the electro-magnetic spring – Three times in a year.
- iii. In case of break down, the complaint shall be attended to within two hours.
- iv. The routine maintenance will also cover the replacement of parts due to normal working, at free of cost.

CONTRACTOR

UNIVERSITY ENGINEER