

**NAME OF WORK--ELEVATOR SYSTEM, MULTIDISCIPLINARY RESEARCH  
LABORATORY MEDICAL COLLEGE, THIRUVANANTHAPURAM,**

|    |  |             |            |  |                |
|----|--|-------------|------------|--|----------------|
|    | <b>PART V Elevator</b>   |             |            |  |                |
|    | <b><u>SITC OF ELEVATORS &amp; DUMB<br/>WAITERS</u></b>   | <b>Unit</b> | <b>Qty</b> | <b>Rate (in words<br/>and figures)</b> | <b>Amt(Rs)</b> |
| 1  | Supply, installation, testing & commissioning of electric traction type elevator of following capacity and type suitable for operation on 415 V, 3 phase, 50 Hz AC supply, having AC variable voltage and variable frequency type traction control, speed of 1.00 Mtr/sec, electromagnetic brake system, simple operations, operating control panel with luminous buttons, overload warning indicator, battery operated alarm bell, LED type emergency light, intercom suitable for hook up to EPABX, infrared ray sensing door protection for full height, reverse phase relay on controller, fireman's switch at ground floor, digital car positions indicator in car and at all positions indicator in car and at all floors with Up/DOWN direction, all signal fixtures in stainless steel faceplates, light fixtures, ventilation fan, etc complete with all accessories including automatic rescue device in the event of power failure etc., as required. |             |            |  |                |
| a) | The Elevator traction motor placed in the hoistway Machine Room Less, and elevator shall be of gearless type with travel height of 14.mtrs. (suitable for lift well size 2300mm (W)X 3000m(D) complete as per technical specification, simplex full collective operation with/without attendant. Car/Hoistway Entrance, protected by MS Painted doors and center/side(telescopic) clear opening width min 1100mm x 2000mm height. Complete with necessary scaffolding, electrical panel, logic control panel and shaft lighting etc required for the erection  | No          | 1          |  |                |

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|----|--|----|---|--|--|
|    | of the elevators. Capacity Minimum <b>1360 Kgs</b> (20 passengers Minimum) capacity goods cum passenger elevator, 4 stops & 4 openings with min car size of 1300mm wide x2400mm deep x 2300mm height Inside dimensions and entrance at front side on all the serving floors, provided with SS Hairline panel on all four side, SS finish ceiling & SS hand rail on rear side & granite flooring complete as per specifications.  |    |   |  |  |
| b) | The traction motor placed in the hoistway Machine Room Less, and elevator shall be of gearless type with travel height of 14.mtrs. (suitable for lift well size 1900mm (W)X 1800m(D) complete as per technical specification, duplex full collective operation with/without attendant. Car/Hoistway Entrance, protected by SS hairline finish doors and center opening min 800mm x 2000mm height. Complete with necessary scaffolding, electrical panel, logic control panel and shaft lighting etc required for the erection of the elevators. Capacity minimum <b>8 Passenger</b> (544 Kgs Minimum) capacity elevator, 4 stops & 4 openings with min car size of 1300mm wide x1100mm deep x 2300mm height Inside dimensions and entrance at front side on all the serving floors, provided with SS Hairline panel on all four side, SS finish ceiling & hand rail on rear side, granite flooring complete as per specifications. | No | 2 |  |  |

|  |  |    |   |  |  |
|--|--|----|---|--|--|
| 2  | Supply, installation, testing & commissioning of <b>Dump waiter of 100 kg</b> capacity suitable for operation on 415 V, 3 phase, 50 Hz AC supply, having AC variable voltage and variable frequency type traction control, speed of 0.30 Mtr/sec, electromagnetic brake system, simple operations, operating control panel with buttons, overload warning indicator, battery operated alarm bell, reverse phase relay on controller, digital car positions indicator on wall at all floors with Up/DOWN direction, all signal fixtures in stainless steel faceplates, light fixtures, etc complete with all accessories. The equipment traction motor placed in the Machine Room, geared type with travel height of 14.mtrs. (suitable for well size 1000mm (W)X 1200m(D) simplex operation. Equipment entrance protected by MS Painted doors and manual center opening with min 600mm x 600mm opening size. Complete with necessary scaffolding, electrical panel, logic control panel and shaft lighting etc required for the erection of the dump waiters. Capacity Minimum 100 Kgs, 4 stops & 4 openings with min car size of 700mm wide x600mm deep x 800mm height Inside dimensions and entrance at front side on all the serving floors, provided with MS painted car on other three sides, MS finish ceiling MS chequered plate flooring complete as per specifications. | No | 2 |  |  |
| <b>TOTAL FOR SITC OF ELEVATOR (PART V)</b> |  |    |   |  |  |