

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR**

**Tender Notice No. 09/IWD/ED/36**

**SCHEDULE OF QUANTITY**

Name of work: Part-A: Replacement of defective and damaged cable, LED street light fittings, switch, sockets etc at swimming pool and other associated works. Part-B: Rewinding and overhauling of ceiling fans, wall fans, exhaust fans installed at OLD sport complex.

Name of the Contractor					
S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
	<b>Part-A:</b>				
1	Supplying and laying of one number XLPE power cable of 3 1/2 X 35 Sq.mm size. aluminium conductor, steel armoured cable of 1.1kV grade as per IS:1554 (Part-1) as reqd complete in following manners.				
a)	In Ground I/c excavation, sand cushioning protective covering, refilling of earth as reqd.	70.00	Mtr.		
b)	In existing Pipe	10.00	Mtr.		
c)	In existing open duct	10.00	Mtr.		
2	Supplying,fixing,testing commissioning of energy saving,environmental friendly,long life,exclusive innovative die cast aluminium with high poer LEDs as light source. following LED light on the existing pole complete as required.				
a)	20W street light Cat No. BRP 022 LED 20 CW MR S1 PSU GR Philips make or its equivalent approved make.	13.00	Nos.		
3	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.				
a)	3½ X 35 sq. mm	2.00	Nos.		
4	Providing, laying and fixing following dia G.I. pipe (medium class) in ground complete with G.I. fittings including trenching (75 cm deep) and re-filling etc as required				
a)	50mm dia	10.00	Mtr.		
5	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required.	70.00	Mtr.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
6	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required				
a)	3 x 1.5 sq. mm	40.00	Mtr.		
7	Supplying and fixing following rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
a)	Single pole (5 A to 32 A)	2.00	Nos.		
b)	Triple pole (40 A to 63 A)	1.00	Nos.		
c)	Triple pole and neutral (40 A to 63 A)	1.00	Nos.		
8	Locating fault in the cable lines with meggar etc and rectifying removing & restoring the same and making good the damages etc as required.	2.00	Nos.		
	<b>Part-B:</b>				
1	Rewinding of following fans of following sizes i/c dismantling of rotor cutting the damaged winding and providing rewinding along with insulation paper, varnish, connecting copper leads of suitable quality including dismantling and refixing from normal/abnormal height and refixing as required. (Old burnt wire shall be retain by the contractor.)				
a)	New model 48"/wall fan	1.00	NOS		
b)	Old model 48"/new mode 56"	5.00	NOS		
2	Rewinding of exhaust fans of following sizes i/c dismantling cutting the damaged winding and providing rewinding along with insulation paper, varnish, connecting copper leads of suitable quality including dismantling and refixing from normal/abnorml height and refixing as required.( old burnt wire shall be retain by the contactor.)				
a)	exhaust fan 18"	2.00	Nos.		
b)	exhaust fan 24"	2.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
3	Overhauling of following fan of any size including bearings, checking, cleaning the all parts and supplying & replacement of rubber real, rubber rings, nut bolts, hanger clamps, bearing plates, cotter/ split pin, varnishing if reqd etc, reassembling testing and commissioning of fan as required complete.				
a)	ceiling fan / wall fan	41.00	Nos.		
b)	exhaust fan	19.00	Nos.		
4	Supplying and fixing 2.5 mfd capacitor suitable for ceiling fan.	30.00	Nos.		
5	Repairing of housing of bearing side /bush side /in fan body in ceiling fan /exhaust fan/ rally fan etc.	20.00	Nos.		
6	Balancing of ceiling fan blade of any size including making suitable shape of twisted blades at site.	6.00	Nos.		
7	Dismantling & refixing of any size following fan from normal height.				
a)	exhaust fan	23.00	Nos.		
8	Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven story height made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube challies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after .The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineerin- charge .The elevational area of the scaffolding shall be measured for payment purpose .The payment will be made once irrespective of duration of scaffolding.	100.00	Sq.m		
9	Cartage of Ceiling fans and regulator / exhaust fan From store to site as reqd.	60.00	Nos.		
10	Supply of following size ball bearings.				
a)	Ball bearing 6201 (NBC - make)	8.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
b)	Ball bearing 6202 (NBC - make)	12.00	Nos.		
c)	Ball bearing 6205 (NBC - make)	4.00	Nos.		
	<b>Total Rs. (Part-A + Part B)</b>				