



Name of work:-SITC of lighting system at Kabaddi Ground near hostel 3 in MNIT Jaipur.

**G-Schedule**

Name of the Firm:-

S.No	Qty	Items	Unit	Rate	Amount
1		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	300.00	2 x 2.5 sq. mm	Metre	98.00	29400.00
2		Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 volts, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 amps tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCB's (but without MCB's and incomer ) as required . (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.)			
B	1.00	12 way (4 + 36), Double door	Each	12833.00	12833.00
3	s	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "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	24.00	Single pole	Each	256.00	6144.00
B	8.00	Triple pole	Each	1007.00	8056.00
4	4.00	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	Each	13.00	52.00
5		Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.			
A	1.00	100 amps	Each	1227.00	1227.00
6		Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.			
A	1.00	63 amps	Each	2872.00	2872.00
7	2.00	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. (but without charcoal/ coke and salt ) as required.	Each	6256.00	12512.00
8	10.00	Supplying and laying 25 mm X 5 mm G.I strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with G.I. nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of G.I. nut bolt & spring washer spaced at 50mm)	Metre	144.00	1440.00
9	140.00	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.	Metre	42.00	5880.00

10		Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc. in the existing trench, complete as required.			
A	200.00	63 mm dia (OD-63 mm & ID-51 mm nominal)	Metre	127.00	25400.00
				<b>TOTAL AMOUNT</b>	<b>105816.00</b>
<b>Percentage "Above" or "Below" or "At par" the Estimated cost of work/schedule</b>					
Sr.No.	Estimated cost of work (in Rupees)	Rate Quoted by Contractor As		Price	
		"Above" or "Below" or "At Par"	% in Figures	In Words	Total Cost (in Rupees)
1	2	3	4	5	6
1	105816.00				-
<b>TOTAL COST</b>	<b>105,816.00</b>	<b>TOTAL QUOTED PRICE For Schedule G=</b>			<b>0.00</b>
<b>Grand Total (in words)</b>					
<b>H-Schedule</b>					
S.No.	Qty	Items	Unit	Rate	Amount
1		Providing & Laying P.V.C. / XLPE insulated & P.V.C. sheathed Armoured Aluminium cable confirming to IS:1554 P-I / IS :7098 P - I of 1.1 KV with H4- Grade electrolytic aluminium conductor confirming to IS 8130 of purity >99.6 %, round / flat strip armouring of cables, Inner / outer sheath confirming to IS:5831 in existing RCC / Hume / Stoneware / PVC pipe/ open duct/cable trench / Cable tray(with cable tie) including testing etc. as required of following size. OEM must have it's own in house NABL accredited Laboratory for testing procedure as per IS:10810.For additional technical parameters of product / work refer Annexure 'A' attached with this BSR			
1.1		<b>10.0 Sq. mm</b>			
1.1.1	140.00	4 core	Mtr		
1.2		<b>25.0 Sq. mm</b>			
1.2.1	50.00	3.5 core	Mtr		
2		Providing and fixing of IP 65 protected Polycarbonate / Polysterene fuse box moulded with inside knock outs of following size with hinged cover, transparent window, PU gasket, locking arrangement, duly holded with 2 nos. pole clamps of 20 mm x 3 mm flat with nut and bolts, The box shall be provided with Din rail, 4 / 8 way 10.0 / 16.0 sq.mm heavy duty connector, earth terminal, complete in all respect. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .			
2.1	8.0	125 mm X 200 mm X 122 mm	Each		

3		Supply and erection of Mild steel Swaged tubular pole conforming to IS: 2713-1980 (part I to II) with base plate, The pole shall be made from steel tube & Pipe (IS:1141, Fe 410) including excavation of the pit and filling the same with C.C. of M-20 grade (1:1.5:3) from base plate to 50 cm above ground level, with the help of steel frame not less than 40 cm dia up to 114.3mm outer dia and 50 cm beyond 114.3mm outer dia around the pole. Duly finished with cement plaster, earthing terminals, cable entry with 32 mm dia. 'B' class GI cable sleeves. After erection pole shall be painted with two coat of red oxide primer and two quote of enamel paint of silver colour as per the direction of Engineer incharge complete as required of following height & designation. ( See Table P - 02 for specs. ) All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .			
3.1	8.0	10 Mtr. ( 410 SP - 42 )	Each		
4		Providing & Fixing of IK08 IP-66 protected high power LED flood light system with single piece Pressure diecast aluminium housing, toughened glass diffuser with suitable lenses on LED to achieve various beam angles, of high power LED of 3 to 5 watt each . Integrated potted driver as a unique BIS R number having efficiency more than 85 % and in compliance to BIS certified and Trade mark certificate. The System level Luminaire efficacy $\geq 125$ lm/ wt. LED driver Input Voltage AC 120 to 270 V AC with High voltage Cutoff $\geq 300$ V AC and Auto resetting Safety .Power Factor $> 0.95$ , THD(I) $< 10\%$ , driver current $\leq 750$ mA. driver should be Phase to phase protection of 440 V for 4 Hrs. Electrical Connector , Surge Protection Min $\geq 4$ KV internal and 10KV external but inside driver compartment, System life of 50000 Burning hours with 70% of Initial Lumens maintained, CRI $> 70$ and CCT 5700K $\pm 355$ K. Manufactures Word Mark/Name Engraved/Embossing/Screen printing on die cast housing to allow traceability/authenticity. Fixture shall be IS 10322 Complied.OEM Must have its own in house NABL lab setup for all testing facilities for LED fixtures.			
4.1	24.00	High Power LED Flood Light Minimum lumen output 30000 lm	Each		
5		P & F in position frame made out of M.S. angle (riveted or welded) finished with two coats of red oxide and enamel paint including cutting, welding, holes etc.of following sizes as required.			
5.1	8.00	50mm x 50mm x 6mm	Mtr.		
				<b>TOTAL of Schedule H</b>	
		<b>Total Quoted Amount (G-schedule + H Schedule) =</b>			