



OFFICE OF THE REGISTRAR
MAHAPURUSHA SRIMANTA SANKARADEVA VISWAVIDYALAYA

[Established under the Assam Act No. XIX of 2013]

HALADHAR BHUYAN PATH, KALONGPAR, NAGAON, PIN-782001: ASSAM: INDIA

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Ref. No.: MSSV/R/59/2015/

Date: 20.08.2018

NOTICE RE-INVITING QUOTATION FOR WORKS

Sealed quotations are invited from the competent and eligible firms/ parties **for rates of wiring electrical cables and Fitting Charges of the electrical accessories** of the Administrative-cum-Academic building at Mahapurusha Srimanta Sankaradeva Viswavidyalaya, Kalongpar, Nagaon as per the required specifications which can be obtained from the office of the undersigned during office hours.

The **sealed quotations** must reach the office of the undersigned **on or before 28th August, 2018**. The party has to pay **an amount of Rs. 1,000.00 (Rupees one thousand) only in cash to Accounts Branch of the University and submit copy of the receipt alongwith the quotation**. The firms/parties shall submit proof of GST Registration, PAN/TIN.

The undersigned reserves the right to accept or reject any quotation without notice.

Sd/-
(Dr. D. Thakuria)
Registrar (i/c),
MSSV, Nagaon
Date: 20.08.2018

Memo No: MSSV/R/59/2015/**10568-73**

Copy to:

1. The Hon'ble Vice-Chancellor, MSSV, Nagaon for kind information.
2. The Executive Engineer, PWD (Building), Nagaon for information and necessary action.
3. Dr. Santanu Kalita, Asstt. Professor & Head (i/c), Deptt. of Computer Application, MSSV, Nagaon with a request to upload the notification in the University website www.mssv.co.in.
4. The Accounts Officer, MSSV, Nagaon for information and necessary action.
5. The Project Technical Assistant (P.T.A.), MSSV, Nagaon for information and necessary action.
6. Notice Board.
7. Office file.

(Dr. D. Thakuria)
Registrar (i/c),
MSSV, Nagaon

NAME OF WORKS: CONSTRUCTION OF ACADEMIC CUM ADMINISTRATIVE BUILDING, NAGAON (MSSV).

Labour Rates of Wring Electrical cables and Fitting Charges of the Electrical Accessories

Wiring in surface/ recessed PVC conduit FR (Finolex/RR Kabel/Nicco/ Anchor or equivalent make as approved by the Deptt.) cable		Unit	Rate	Remarks
<u>Sl.No.1</u> 2.1	Wiring for light/fan/call bell point with 2x1.5 sq. mm. P.V.C. insulated single core unsheathed industrial (Multistrand) cable FR conforming to IS-694: 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Finolex/RR kabel/Nicco/Anchor or Equivalent make as approved by the Deptt.) in surface/recessed conduit wiring system with 20 mm dia 2mm thick/ heavy rigid PVC IS: 9537 Part-III conduit (Berlia/ AKG/ Precision/ presto Plast/ Polycab/MW or equivalent make as approved by the Deptt.) including 6 Amp flush type switch/ Bell push (Anchor penta/ Gold medal / Kolor kany. Kom/Havells or equivalent make as approved by the Deptt.) GI/MS switch board (ISI marked) with phenolic laminated sheet cover, ceiling rose (Anchor penta/ Gold medal/ Kolor kany.kom/ Havells or equivalent make as approved by the Deptt.) etc. Complete.			
2.1.1	Short point upto 3.0 meter length	Per Point		
2.1.2	Medium point upto 6.0 meter length	Per Point		
2.1.3	Long point upto 10.0 meter length	Per Point		
		Unit	Rate	Remarks
<u>Sl.No.2</u> <u>2.2</u>	Wiring to 5 a pin 6 Amps plug point with 1.5 sq. mm P.V.C. insulated single core unsheathed industrial (Multistrand) cable FR conforming to IS-694: 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Finolex / RR kable/ Nicco/ Anchor or equivalent Make as approved by the Deptt.) in surface/recessed 2 mm thick/heavy rigid ISI marked IS: 9537 PART- III rigid PVC conduit (Berlia/ AKG/ Precision/ Presto Plast/ Polycab/MW or equivalent make as approved by the Deptt.) wiring system including 5 pin 6 Amps flush type plug socket and 6 Amps F/T switch (Anchor penta/ Gold medal/ Kolor kany.kom/ Havells or equivalent make as approved by the Deptt.), GI/MS switch board (I.S.I mark with phenolic laminated sheet cover including earth continuity with 1.5 sq. mm. Cable to third pin of the plug socket etc. As required complete, when placed elsewhere.			
<u>2.2.2</u>	Medium point upto 6.00 metre length	Per Point.		
<u>2.2.3</u>	Long point upto 10.0 metre length	Per Point.		
		Unit	Rate	Remarks
<u>Sl.No.3</u> <u>2.10</u>	Wiring for 5 pin 6 amp plug with 1.5 sq mm. P.V.C. insulated single core unsheathed industrial (Multistrand) cable FR conforming to IS-694: 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Finolex/RR kabel/ Nicco/ Anchor or Equivalent make as approved by the Deptt.)including 5 pin 6 amp socket outlet (Anchor Penta/ Gold medal/ Kolor kany.Kom/ Havells or equivalent make as approved by the Deptt.) make and 6 amp flush type switch (Anchor penta/ Gold medal/ Kolor kany. Kom/ Havells or equivalent make as approved by the Deptt.) make earthing the 3 rd pin of the socket as required on the switch board in surface/recessed P.V.C. conduit wiring system. When fitted on	Per Point		

	same board of light and fan.			
		Unit	Rate	Remarks
<u>Sl.No.4</u> 2.4	Wiring for 5/6 pin 16 Amps power plug point with 4 sq. mm. P.V.C. insulated single core unsheathed industrial (Multistrand) cable FR conforming to IS-694: 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Finolex/ RR kabel/Nicco/Anchor or Equivalent make as approved by the Deptt.) in surface/ recessed conduit wiring system including and fixing 5/6 pin 16 Amps flush type socket outlets and 16 Amps flush type switch (Anchor penta/ Gold medal/ Kolor kany.com/ Havells make), GI/MS switch board (I.S.I. mark with phenolic laminated sheet cover earth continuity with 2.5 sq. mm cable to the 3 rd pin of the socket as required complete with 20 mm. Dia. 2mm thick/heavy rigid ISI marked IS: 9537 PART – III rigid PVC conduit (Berlia/AKG/ Precision/Presto Plast/ Polycab/MW or equivalent make as approved by the Deptt.)			
2.4.1	Extra long point up to 15.00 metre. Length	Per Point		
2.4.2	Extra long point up to 20.00 metre. Length	Per Point		
2.4.3	Extra long point up to 25.00 metre. Length	Per Point		
CIRCUIT WIRING		Unit	Rate	Remarks
<u>Sl.No.5</u> 2.7	Wiring for drawing sub-main line with P.V.C. insulated single core unsheathed industrial (Multistrand) cable FR conforming to IS-694: 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Finolex/RR Kabel/ Nicco/ Anchor or Equivalent Make as approved by the Deptt.) PVC conduit (Berlia/AKG/ Precision/ Presto Plast/Polycab/ MW or equivalent make as approved by the Deptt.) including earth continuity in surface/recessed 20 mm. Dia. 2mm thick/heavy ISI marked IS: 9537 PART- III rigid PVC conduit wiring system.			
2.7.1	With 2x2.5 sq. mm. + earth continuity with 1x1.5 sq. mm. In 20 mm. Dia. 2mm. Thick/heavy rigid PVC IS: 9537 Part-III conduit.	RM		
2.7.2	With 2x4 sq. mm. + earth continuity with 1x2.5 sq. mm. Cable in 20 mm. dia. 2mm thick/ heavy rigid PVC IS: 9537 Part – III conduit.	RM		
2.7.3	With 2x6 sq. mm. + earth continuity with 1x4 sq. mm. cable in 25 mm. dia. 2mm thick/heavy rigid PVC IS: 9537 Part –III conduit.	Per mtr		
2.7.4	With 2x 10 sq. mm. + earth continuity with 1x6 sq. mm. cable in 25 mm. dia. 2mm thick/heavy rigid PVC IS: 9537 Part-III conduit.	Per mtr		
		Unit	Rate	Remarks
<u>Sl.No.6</u> 2.9	Wiring for drawing sub-main line with P.V.C. insulated single core unsheathed industrial (Multistrand) cable FR conforming to IS-694: 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Finolex/RR Kabel/Nicco/ Anchor or Equivalent make as approved by the Deptt.) in surface/recessed PVC 20 mm. dia. 2 mm thick/heavy ISI marked IS: 9537 PART –III rigid PVC conduit.			
2.9.4	With 4x 10 sq. mm. + earth continuity with 2 x 6 sq. mm. cable in 40 mm. dia. 2mm thick/heavy rigid PVC IS: 9537 Part-III conduit.	Metre.		
FITTINGS AND ACCESSORIES		Unit	Rate	Remarks
<u>Sl.No.7</u> 11.2	Supplying and fixing of bulk head fitting suitable for CFL lamp complete with all accessories including 20 watts CFL lamp and connection as approved by the Deptt.) as required. [BH]	Each		

		Unit	Rate	Remarks
<u>Sl.No.8</u> 11.32	Supplying and fixing of Call bell (Buzzer) including 5/6 amp. Capacity button piano type bell push switch including connection as approved by the Deptt.) as required. [CB]	. Each		
		Unit	Rate	Remarks
<u>Sl.No.9</u> 11.53	Supplying and fixing of fan box (AKG or equivalent as approved by the Deptt.) with inbuild rod as required.	Each		
	MODULAR SWITCH	Unit	Rate	Remarks
<u>Sl.No.10</u> SB. 8.62	Supplying including fitting and fixing of TV co-axial outlet MODEL RANGE LEGRAND (MYLINC) ANCHOR (ROMA), MK (IVORY), ABB (CLASSIC), KOLORS(KRAZE), SCHNEIDER (OPAL), PHILIPS, Havells complete as per direction of department.	Each		
		Unit	Rate	Remarks
<u>Sl.No.11</u> SB. 8.63	Supplying with fitting and fixing of RJ-11 Telephone jack MODEL RANGE LEGRAND (MYLINC) ANCHOR (ROMA), MK (IVORY), ABB (CLASSIC), KOLORS(KRAZE), SCHNEIDER (OPAL), PHILIPS, Havells including making necessary connection complete as per direction of department.	Each		
	EPABX	Unit	Rate	Remarks
<u>Sl.No.12</u> SB. 10.20	Supplying, installation, testing & commissioning of 2 Metre. Pair Unarmoured Telephone Cable through existing conduit in surface/ recess system.	Metre.		
	SUPPLY AND FIXING OF RIGID PVC CONDUIT (AKG/ PRECISION/ PRESTO PLAST/ POLYCAB/ MW or equivalent make as approved by the Deptt.) IN SURFACE AND RECESS WIRING SYSTEM	Unit	Rate	Remarks
<u>Sl.No.13</u> 6.1	Supply and fixing 19 mm. dia. 2.00 mm. average wal thickness heavy rigid PVC IS: 9537 part-III conduit (Berlia/ AKG/ Precision/ Presto Plast/ Polycab/ MW or equivalent make as approved by the Deptt.) in recessed system including cutting the wall and making good the same as required.	Metre		
	MCB DB (ABB, SCHNEIDER MG, LEGRAND, HAGER MAKE) & (SCHNEIDER NEO BREAK, C&S, HAVELLS, INDOASIAN,HPL OR EQUIVALENT MAKE AS APPROVED BY THE DEPTT.)	Unit	Rate	Remarks
	MCB IN-comer SPN DB			
<u>Sl.No.14</u> 15.2	Supplying with fitting and fixing sheet steel, phosphatised, powder painted dust & vermin proof Double door IP-43 surface mounting SPN MCB DB incorporated with bas-bar, Neutral link, Earth bar and din rail etc fitted on wall with grouting nuts & bolts as reqd. Complete with making necessary connection as approved, specified and directed by the deptt.			
15.2.1	ABB, Schneider MG, legrand, Hager make)			
15.2.1.3	8 way SPN double door	Each		
15.2.1.4	12 way SPN Double Door	Each		
	MCB IN –comer TPN (Horizontal DB)	Unit	Rate	Remarks
<u>Sl.No.15</u> 15.8	Supplying with fitting and fixing sheet steel, phosphatised,powder painted dust & vermin proof Double door IP-43 double door surface mounting TPN MCB DB incorporated with bas –bar, Neutral link, Earth bar and din rall etc fitted on wall with grouting nuts & bolts as required complete with making necessary connection as approved, specified and directed by the deptt.			

15.8.1	ABB, Schneider MG, legrand, Hager make)			
15.8.1.1	4 way TPN (4+12) double door	Each		
SWITCH GEAR & PROTECTION		Unit	Rate	Remarks
<u>Sl.No.16</u> 13.1	Supplying fitting and fixing industrial Plug & Socket in surface mounting SPN sheet steel powder painted MCB DB incorporated with MCB DIN rail, neutral link, Earth bar and din rail etc fitted on wall with grouting nuts & bolts as reqd. Complete with making necessary connection as approved, specified and directed by the deptt.			
13.1.1	20A Capacity. (ABB, Schneider MG, legrand, Hager make)	Each		
MCB, MCCB, RCCB, RCBO (ABB, SCHNEIDER MG, LEGRAND, AND HAGER MAKE) & (SCHNEIDER NEO BREAK, C&S, Havells, INDO ASIAN, HPL OR EQUIVALENT MAKE AS APPROVED BY THE DEPTT.) MCB (Conform to IS/IEC 60947-RCCB) (Conform to IS/IEC 12640/61008)		Unit	Rate	Remarks
<u>Sl.No.17</u> 16.1	Supplying with fitting and fixing single pole 10 KA 240/415V 50 Hz MCB of the following capacity complete with making necessary connection as approved, specified and directed by the deptt.			
16.1.2	C Series (Schneider MG, legrand, Hager make)			
16.1.2.1	6 to 32 A	Each		
		Unit	Rate	Remarks
<u>Sl.No. 18</u> <u>16.3</u>	Supplying with fitting and fixing DP 10 KA 240/415V 50 Hz MCB of the following capacity complete with making necessary connection as approved, specified and directed by the deptt.			
16.3.2	C Series (ABB, Schneider MG, legrand, Hager make)			
16.3.1.1	6 to 32 A	Each		
16.3.2.2	40 A	Each		
		Unit	Rate	Remarks
<u>Sl.No.19</u> 16.7	Supplying with fitting and fixing 30/100/300mA sensitivity 240/415V 50 Hz DP RCCB of the following capacity complete with making necessary connection as approved, specified and directed by the Deptt.			
16.7.2	100/300 mA sensitivity DP RCCB (ABB, Schneider MG, legrand, Hager make)			
16.7.2.1	25A	Each		
16.7.2.2	40A	Each		
		Unit	Rate	Remarks
<u>Sl.No.20</u> 16.6	Supplying with fitting and fixing 4P 10 KA 240/415 V 50 Hz MCB of the following capacity complete with making necessary connection as approved, specified and directed by the deptt.			
16.6.2	C Series (ABB, Schneider MG, legrand, Hager make)			
16.6.2.2	40 A	Each		
EARTHING		Unit	Rate	Remarks
<u>Sl.No.21</u> 22.7	Supply, installation & testing of G.I. earth station with perforated 40 mm dia and 4.50 metre long heavy duty G.I. pipe with necessary 40 mm dia. G.I. fittings such as socket, Tee, elbow, nipple and 50 mm x 40 mm G.I. reducing socket for funnel including locking arrangement 300 mm x 300 mm x 6 mm hinged cover C.I. earth plate complete with digging of earth pit, construction of brick chamber and plastering of both inner & outer surface of wall as specified and directed by the deptt.	Each		
		Unit	Rate	Remarks

<u>Sl.No.22</u> 22.1 22.12	Extra for using salt (5K and charcoal (64 k in pipe Earth Station pit to provide low impedance ground in location of high soil resistivity as and when required and specified by the Deptt.	Each		
		Unit	Rate	Remarks
<u>Sl.No.23</u> 22.10	Supply, installation & testing of Copper Plate earth station with 600 mm x 600 mm x 3 mm copper earth plate with necessary 40 mm dia. G.I. medium duty watering pipe with G.I. fittings such as Socket, Tee, elbow, nipple and 50 mm x 40 mm G.I. reducing socket for funnel including locking arrangement with 300 mm x300 mm x6 mm C.I. hinged cover plate complete with digging of earth pit, construction of brick chamber and plastering and directed by the deptt.	Set		
		Unit	Rate	Remarks
<u>Sl.No.24</u> 22.1	Extra for using salt (5K and Charcoal (96 K in G.I/ Copper Plate Earth Station pit to provide low impedance ground in location of high soil resistivity as and when required and specified by the Deptt.	Set		
		Unit	Rate	Remarks
<u>Sl.No. 25</u> 22.2	Supplying & laying of 6 SWG G.I. earth from Earth Electrode (below G.I.) to electrical switch gears or electrical machineries including making necessary connection as approved, specified and directed by the Deptt.	Metre		
		Unit	Rate	Remarks
<u>Sl.No. 26</u> 22.20	Supplying & laying of following size 25 x 5 mm G.I. strips drawn on surface from earth electrode to Electrical switch gears, machineries etc complete with supply of G.I. nuts & bolts, screw etc including riveting, soldering & making necessary connection as approved, specified and directed by the deptt.	R.M.		
		Unit	Rate	Remarks
<u>Sl.No.27</u> 22.3	Supplying & laying of following size 25 x 5 mm Copper strips drawn on surface from earth electrode to Electrical switch gears, machineries etc complete with supply of Brass nuts & bolts, screw etc including riveting, soldering & making necessary connection as approved, specified and directed by the deptt.	R.M.		
		Unit	Rate	Remarks
<u>Sl.No.28</u> 22.3	Supply, fitting & fixing of Lighting Finial Arrestor made of 25 mm dia 300mm long solid G.I. tube having 85 mm dia. Single prong at top and 3 mm base plate at bottom complete with fitting & fixing with G.I. nuts & bolts on roof, RCC slab, top of column etc. As specified and directed by the deptt.	Each		
		Unit	Rate	Remarks
<u>Sl.No. 29</u> 22.3	Supply, fitting & fixing 20 mm x 5 mm G.I. strips drawn on vertically or horizontally on building wall/parapet wall in surface system complete with supply of G.I. Nuts & Bolts, Screws etc including riveting, soldering and making connection as approved by the Deptt.) with earth electrode G.I. strips and lightning Arrestor etc. As specified and directed by the deptt.	Per Metre		
		Unit	Rate	Remarks
CEILING FAN, EXHAUST FAN AND AIR CURTAIN		Unit	Rate	Remarks
<u>Sl.No.30</u> 27.1	Supplying including fitting fixing of following A.C. Ceiling fan complete with all accessories like down rod, canopy etc. of following sweeps with making necessary connection as approved by the Deptt.) as required complete and as directed by the Department [Without regulator]			
27.1.6	Standard model 1200 mm Sweep Usha make)/ Standard model	Each		

	1050/1200 mm Sweep Havells make)/ High speed 1200 mm sweep (ORIENT PSPO make)			
		Unit	Rate	Remarks
<u>SI.No.31</u> <u>27.2</u>	Supplying including fitting fixing of following A.C. Exhaust fan in the existing hole on the wall of following sweeps with making necessary connection as approved by the Deptt.) as required complete and as directed by the Department.			
<u>27.2.1</u>	Domestic			
<u>27.2.1.8</u>	Trans Air 300mm sweep (Crompton make) [EF]	Each		
		Unit	Rate	Remarks
<u>SI.No. 32</u> <u>27.4</u>	Supplying including fitting fixing of following A.C. Wall fan in the wall of following sweeps with making necessary complete and as directed by the Department.			
<u>27.4.1</u>	(CROMPTON/ ORIENT/HAVELLS/USHA or equivalent make)			
<u>27.4.1.7</u>	Striker HI-Speed, 400 mm sweep Usha make) Wind flow with plastic blade 400 mm sweep Crompton make). [WF]	Each		
		Unit	Rate	Remarks
<u>SI.No. 33</u> <u>27.6</u>	Supplying fitting and fixing of ceiling fan Regulator including connections etc. complete as required and as directed by the department.			
<u>27.6.2</u>	Electronic Step Type	Each		
	LUMINAIRES	Unit	Rate	Remarks
<u>SI.No.34</u> <u>23.1</u>	Supplying with fitting fixing of CFL/Fluorescent luminaires complete with all accessories such as ballast, starter etc. directly on wall/ ceiling including connection as approved by the Deptt.) with 1.5. sq mm P.V.C. insulated S.C. copper conductor as required and as directed by the department.			
<u>23.1.2</u>	Striplite luminaires complete with VPIT copper ballast/ Electronic ballast and decorative end cap and 1x36/40 watt Fluorescent tube. (Crompton Greaves make) Model – DSG1114LDB CROMGOLD/ DSG1114LDBN CROM GOLD NEW/DSG1314EB CG GOLD/ DSG 1414 EB PLANET GOLDN with Super Saver/ Super Brite lamp. Or equivalent (Equivalent will be selected by the deptt considering the mother items rate) PHILIPS/ WIPRO/ BAJAJ/HAVELLS/HPL/SOLAR/JAQUAR make. [FL]	Each		
<u>23.1.5</u>	Sleek Box type luminaires complete with Electronic ballast and plastic holder brackets with 1 x 36/40 watt Fluorescent tube. (Crompton Greaves make) Model- DJB 1314LDB50/DJBN1314EB CROMTEK with Super Saver/ Super Brite Lamp or equivalent (Equivalent will be selected by the deptt considering the mother items rate) PHILIPS/ WIPRO/ BAJAJ/ HAVELLS/HPL/SOLAR/JAQUAR make. [TL]	Each		
	U.G. CABLE AND CABLE WORKS	Unit	Rate	Remarks
<u>SI.No.35</u> <u>32.1</u>	Supply and laying of following size PVC/ XLPE insulated and PVC sheathed 1.1 KV G Solid Aluminium conductor up to 10 sq. mm. balance stranded conductor, XLPE insulated, cores laid up, PVC tape inner sheathed, Armour (Aluminium for single core up to 70 sq mm balance Aluminium strip, Galvanised for cables up to 2x 10 sq mm. 3x10 sq mm, 4x6 sq mm balance all galvanised steel strip), extruded PVC Type ST2 sheathed, 650/1100V grade as per IS 7908 (Part 1) 1988 armoured U.G. cable U.G. cable laid in ground/ partially in air (as required for termination over ground including excavation of cable trench up to depth of 75 cm, refilling, protective brick covering, Sand			

	cushioning etc complete handling of surplus spoil, debris et to proper place as specified and directed by the deptt. (Nicco/Havells/RPG/ CCI/ Polycab/ Gloster/ Finolex make).			
<u>32.1.3</u>	3 & ½ Core A2XFY			
<u>32.1.3.6</u>	120.00 Sq. mm. 3 & ½ Core armoured U.G. cable in 65 mm dia medium duty hot dip galvanised pipe (AKG or equivalent as approved by the Deptt.0	Metre		
		Unit	Rate	Remarks
<u>Sl.No. 36</u> <u>32.5</u>	Supply and laying of following size Solid Aluminium conductor up to 10 sq mm balance stranded conductor, XLPE insulated, cores laid up, PVC tape inner sheathed, Armour (Aluminium for single core up to 70 sq mm balance Aluminium strio, Galvanised far cables up to 2x10 sq mm. 3 x 10 sq mm, 4 x 6 sq mm balance all galvanised steel strip), extruded PVC type ST2 sheathed, 650/1100V grade as per IS 7908 (Part 1) 1988, LT armoured U.G. cable laid in pucca flooring, road crossing, drain crossing as per site requirement and partially in air to connection as approved by the Depts. the control swich, through medium duty G.I pipe (Tata/ Nezone make or equivalent as approved by the Deptt.) bend and socket including excavation and refilling the trench and making good damage done as specified and directed by the deptt. (Nicco/ Havells/ RPG/CCI/Polycab/Gloster/Finolex make)			
<u>32.5.3</u>	Core – 3 & ½ A2XWY A2XFY			
<u>32.5.3.6</u>	120.00 Sq. mm 3 & ½ Core U.G. cable in 65 mm dia medium duty hot dip galvanised pipe (AKG or equivalent as approved by the Deptt.)	Meter		
LUMINARIES		Unit	Rate	Remarks
<u>Sl.No.37</u> <u>ECBC.</u> <u>3.6</u>	Supplying, installation, testing and Commission of the following outdoor floor light of LED/MH/HPSV luminaries complete with all accessories such as ballast, capacitor, ignitor and drive as required complete with necessary support/ foundation with 2.5 sq. mm. P.V.C. insulated S.C. copper conductor as required and as directed by the department.			
<u>ECBC.</u> <u>3.6.1</u>	LHFD01130674 30 W LED 6K Havells or equivalent make JETA 30 LED Asymmetrical floodlight used for sports lighting, area lighting, security lighting, signage lighting & facade lighting. Luminaries housing & Control gear Box is of cast aluminium with heat sink for better heat transmissions & toughened glass cover which provides IP 65 Degree of protection. Or equivalent (Equivalent will be selected by the deptt considering the mother items rate) (equivalent PHILIPS/ WIPRO/ BAJAJ/ CROMPTON / HPL/ SOLAR/JAQUAR make). [DL(LED)].	Each		
		Unit	Rate	Remarks
<u>Sl.No. 38</u> <u>ECBC.</u> <u>3.4</u>	Supplying, installation, testing and commissioning of the following CFL/ Fluorescent luminaries complete with all accessories such as ballast, starter etc in the ceiling including supplying ball and socket arrangement suspension down rod of 19 mm dia H.G. conduit of required length max 0.75 cm including making necessary connection cable, as approved by the Deptt.) with 1.5 sq. mm PVC insulated single core copper conductor as reqd. And as directed by the Deptt.			
		Unit	Rate	Remarks
<u>ECBC.</u>	GGX 620 2X28 W TL5 EBP M1, 240 V Philips make LINE	Each		

3.4.20	LIGHT Surface mounted and Suspended luminaries including lamps. Or equivalent (Equivalent will be selected by the deptt considering the mother items rate) (Equivalent WIPRO/ JAQUAR make). [DTL]			
		Unit	Rate	Remarks
<u>Sl.No. 39</u> <u>ECBC.</u> <u>3.11</u>	Supplying, installation, testing and Commission of the following indoor Decorative recessed typed mirror optics down lighter luminaries complete with all accessories such as ballast, starter etc. In the false ceiling type Armstrong/ Gypsum or similar ceiling mounting with necessary support with 1.5 sq. mm. P.V.C. insulated S.C. copper conductor as required and as directed by the department.			
<u>ECBC.</u> <u>3.1.1</u>	Supplying, installation, testing and Commission of the following indoor Decorative recessed typed mirror optics down lighter luminaries complete with all accessories such as ballast, starter etc. In the false ceiling type Armstrong/ Gypsum or similar ceiling mounting with necessary support with 1.5 sq. mm. P.V.C. insulated S.C. copper conductor as required and as directed by the department.			
ECBC. 3.11.1.9	RCB 10 B LED 28 S 5000 PSU suitable for 2x2 grid and gypsum board ceiling /BBG 363 9 X L X ML-25/ WW PSU-E SI/ BBG 363 9 X LX ML- 10/ WW PSU E SI Philip make Triple Trio Kit recessed mounted down lighter with latest LED technology. Or equivalent (Equivalent will be selected by the deptt considering the mother items rate) (equivalent WIPRO/ JAQUAR make). [CLS]			
ECBC. 3.11.2.4	DN 1981 LED6 5600 PSV WH/4000 PSV WH/ 3000 PSV WH. [DL]	Each		
ECBC. 3.11.1.2	3.4W BBG 360 I X L X ML-25/ WW SI or BBG 360 I X L X ML-25/ WW BK or BBG 360 I X L X ML-10/ WW SI or BBG 360 I X L X ML-10/ WW BK or BBG 360 I X L XML-10 / WW WH Phillip make unit standalone recessed mounted down lighter with latest LED technology. Or equivalent (Equivalent will be selected by the deptt. Considering the mother items rate) (Equivalent WIPRO/ JAQUAR make). [CL]	Each		
OVER HEAD LINE		Unit	Rate	Remarks
<u>Sl.No. 39</u> <u>36.3</u>	Supplying and fitting fixing of H.T./ M.V. danger plate complete as required and as directed by the department.			
NON-SCHEDULE ITEMS		Unit	Rate	Remarks
<u>Sl.No.40</u>	Supplying and installation of metal enclosed wall/ floor mounted front operated cubical type switch gear panel suitable for indoor installation conforming to IS: 8623 (Part I & II). Panel should be made of sheet steel and thickness not less than 2 mm and structural steel having light section. The panel shall be completely dust tight and vermin proof and shall be painted with anti corrosive and two coats of paint. All wiring shall be PVC insulated and PVC sheathed of 1100 volt grade of required size. The panel should have provision of entry of cable at the bottom and also provision of out going feeders from the bottom of the panel. The panel shall be incorporated with double busbar system. The bus bar shall be of high quality copper of uniform cross section. The panel shall consist of the following items (viz. Voltmeter, Ammeter, CT, indicating lamps, selector switch etc.) connected as per drawing and shall be flush mounted on the			

	front of the panel.			
	<p>Incommer: a) 160 A 4P MCCB, 25 KA – 2 Nos. b) 160 A 4P On-load changeover switch- 1 No. c) Digital Ammeter – 2 Nos. d) Digital Voltmeter – 2 Nos. e) CT- 2 Sets f) Switch Fuse Unit – 6 Nos. g) Selector Switch – 4 Nos. h) Indicating Lamp – 2 Sets. i) Bus- Bars : 320 A TPN electrolytic Copper Bus Bar of uniform cross-section (40 mm x 5 mm) – 1 set</p> <p>Outgoing: j) 40 A 4P MCB – 6 Nos. k) 40 A DP MCB – 3 Nos. l) 32 A DP MCB – 15 Nos.</p>	Set		
		Unit	Rate	Remarks
<u>Sl.No. 41</u>	<p>Supplying, installation, testing and commissioning of the following CFL/ LED luminaries complete with all accessories such as driver etc. directly on wall/ ceiling including connection with 1.5 sq mm P.V.C. insulated S.C. copper conductor as required and as directed by the department.</p> <p>Superior finish extruded aluminium body with anodised aluminium reflector and aluminium cross louver assembly. CFL Luminaries of make Bajaj Cat No. BSM 218 CFL 'L' type CFL 2 x 18W or equivalent including lamps etc. complete. [CLT]</p>	Each		
		Unit	Rate	Remarks
<u>Sl.No. 42</u>	Supply, Installation antistatic rubber mat suitable for 1.1 KV Voltage grade	Sq. M		
		Unit	Rate	Remarks
<u>Sl.No. 43</u>	<p>Supplying and drawing Co-axial cable size RG-6 with PVC insulated (as IS/ISO-9002) through 25 mm dia 2 mm thick PVC pipe with recessed conduit system as per direction of department.</p> <p>a) Size RG-6 with PVC insulated (as IS/ISO-9002)</p>	R.M.		
<u>Sl.No. 44</u>	Supply, Fitting Fixing of Shock Treatment Chart.	Each		

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