

**ELECTRICAL DIVISION****Name of Work: Electrification at the Kendriya Vidyalaya, Gopalpuri.****SCHEDULE B**

<b>S/N</b>	<b>Description</b>	<b>Qty</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>
1	Supply at Site 11/0.433 KV Compact Substation having dry type transformer of 500 KVA and as per Tech. Specification No. 1				
(i)	Supply	1	No.		
(ii)	Installation, Testing and commissioning	1	No.		
2	Supply, Installation, Testing and commissioning of Feeder Panel for distribution of underground power supply as per technical specification No. 2.				
(i)	Supply	5	No.		
(ii)	Installation, Testing and commissioning	5	No.		
3	Supply at site 3 core, 150 Sq. mm (U/E) HT armoured aluminium conductor XLPE cable of 11kV grade as per IS: 7098 (Part - II) 1988 & as per Technical Specification No. 3.	1000	Mtr.		
4	Supply at site 4 Core, LT armoured aluminium conductor XLPE cable of 1.1kV grade of following type & size as per Technical Specification No. 4.				
(a)	4 Core X 70 Sq.mm	500	Mtr.		
(b)	4 Core X 50 Sq.mm	650	Mtr.		
(c)	4 Core X 25 Sq.mm	650	Mtr.		
(d)	4 Core X 16 Sq.mm	500	Mtr.		
(e)	4 Core X 4 Sq.mm	250	Mtr.		
5	Laying, Testing & Commissioning of HT & LT XLPE cables of various sizes through following and as per Technical Specification No 5.				
(a)	Laying of Cable through RCC Cable Trench as per technical Specification No. 4(a).	150	Mtr.		
(b)	Laying of Cable through exaction in all type of Soil as per technical specification No. 4(b).	2650	Mtr.		
(c)	Laying of cable in G.I. Perforated Cable tray as per Technical Specification No. 4(c).	400	Mtr.		

S/N	Description	Qty	Unit	Rate	Amount
(d)	Laying of Cable through horizontal boring (16") in RCC Road /Rail/Jetty/RCC surface by providing HDPE pipe of suitable size as per technical Specification No. 4(d)	350	Mtr.		
6	Providing & fixing following concealed wiring for single phase sub-circuit from the main switch / meter/ DBs / MCBs to the switch board with copper conductor of following sizes to be used as phase & neutral and bare copper wire as earthing as per Technical Specification No. 6				
(a)	With 2 x 2.5 Sq.mm. copper conductor	6000	Mtr.		
(b)	With 2 x 4.0 Sq.mm. copper conductor	4000	Mtr.		
(c)	With 2 x 6.0 Sq.mm. copper conductor	2000	Mtr.		
7	Providing and Fixing concealed wiring for modular light/tube/bell point with PVC insulated single core standard 1.5 Sq.mm. copper conductor wire as per Technical Specification No. 7.	1500	No.		
8	Providing and Fixing concealed wiring for modular Fan point with PVC insulated single core standard 1.5 Sq.mm. copper conductor wire & single/twin module step cut electronic fan regulator as case may be as per Technical Specification No. 8.	500	No.		
9	Providing and fixing Surface wiring for Modular 5/6A X 250 Volt. as per Technical Specification No. 9.				
(a)	Full plug point.	350	No.		
(b)	Half Plug Point.	200	No.		
10	Providing and fixing concealed wiring for 15/16A X250 Volt Modular power point as per Technical Specification No. 10.	70	No.		
11	Providing and fixing concealed wiring for modular telephone/intercom point as per Technical Specification No. 11.	50	No.		
12	Providing and fixing concealed wiring for 20A, Modular A.C point as per Technical Specification No. 12.	30	No.		

S/N	Description	Qty	Unit	Rate	Amount
13	Providing and fixing concealed wiring for 4 x 5/6A X250 Volt modular plug point with 4 Nos. SP switches for computer as per Technical Specification No. 13	200	No.		
14	Supply, Installation, Testing & Commissioning of 4 Way TPN (8 + 12 Module) Double Door distribution board as per Technical specification No. 14				
(i)	Supply	25	No.		
(ii)	Installation, Testing and commissioning	25	No.		
15	Supply & Fixing of following type of MCCB, RCCB & MCBs as per Technical Specification No. 15.				
(a)	6-32 A SP MCB with 10kA Breaking Capacity in 'C' Series				
(i)	Supply	800	No.		
(ii)	Fixing	800	No.		
(b)	100 A 4-Pole MCB with 10kA Breaking Capacity in 'C' Series				
(i)	Supply	200	No.		
(ii)	Fixing	200	No.		
(c)	4Pole, 100 Amp. RCCB				
(i)	Supply	25	No.		
(ii)	Fixing	25	No.		
16	Supply & Fixing of GI Perforated Cable tray as per Technical Specification No. 16.				
(i)	Supply	300	Mtr.		
(ii)	Fixing	300	Mtr.		
17	Supply & Fixing of revolving type Air Circulating Fan as per Technical Specification No. 17.				
(i)	Supply	20	No.		
(ii)	Fixing	20	No.		
18	Supply & Fixing of LED Tube Light Fixture with extruded polycarbonate of following wattage and size with complete accessories as per Technical Specification No. 18.				
(a)	20 Watt, 1.15 Mtr. Long				
(i)	Supply	250	No.		
(ii)	Fixing	250	No.		
(b)	10 Watt, 0.6 Mtr. Long				

S/N	Description	Qty	Unit	Rate	Amount
(i)	Supply	30	No.		
(ii)	Fixing	30	No.		
(c)	5 Watt, 0.3 Mtr. Long				
(i)	Supply	50	No.		
(ii)	Fixing	50	No.		
19	Supply & Fixing of 1200mm sweep decorative ceiling fan with all accessories as per Technical Specification No. 19.				
(i)	Supply	250	No.		
(ii)	Fixing	250	No.		
20	Supply of 35 Watt LED post top Lantern Light complete with 4/5 meter pole and accessories as per Technical Specification No. 20.				
(i)	Supply	50	No.		
(ii)	Fixing	50	No.		
21	Supply and erection of at site Octagonal type Poles of following sizes as per Technical Specification No. 21				
(a)	9 Meter long with detachable Single Arm				
(i)	Supply	25	No.		
(ii)	Erection, testing & commissioning.	25	No.		
22	Supply & Fixing of Outdoor type wall mounting LED Light Fixture of 15 Watt, IP 54 as per Technical Specification No. 22.				
(i)	Supply	15	No.		
(ii)	Fixing	15	No.		
23	Supply & Fixing of Outdoor type surface mounting LED Light Fixture of 5 Watt, IP 54 as per Technical Specification No. 23.				
(i)	Supply	20	No.		
(ii)	Fixing	20	No.		
24	Supply & Fixing of Outdoor SMD wall mounting LED Light Fixture of 10 Watt, IP 54 as per Technical Specification No. 24.				
(i)	Supply	40	No.		
(ii)	Fixing	40	No.		
25	Supply & Fixing of Outdoor LED concealed step light fixture of 12 Watt, IP 65 as per Technical Specification No. 25.				
(i)	Supply	15	No.		
(ii)	Fixing	15	No.		

S/N	Description	Qty	Unit	Rate	Amount
26	Supply & Fixing of Flood Light LED fixture of 120/150 Watt, IP 66 as per Technical Specification No. 26.				
(i)	Supply	15	No.		
(ii)	Fixing	15	No.		
27	Supply & Fixing of decorative post top lantern of 36-40 Watt LED including galvanised iron pole of height 1 Mtr.and integrated junction box as per Technical Specification No. 27				
(i)	Supply	75	No.		
(ii)	Fixing	75	No.		
28	Supply & Fixing of LED foot light fixture of 4 Watt, IP 65 as per Technical Specification No. 28.				
(i)	Supply	45	No.		
(ii)	Fixing	45	No.		
29	Supply & Fixing of LED deep down light fixture of following wattage and as per Technical Specification No. 29.				
(a)	18 Watt				
(i)	Supply	200	No.		
(ii)	Fixing	200	No.		
30	Supply & Fixing of LED round surface panel light fixture of following wattage and as per Technical Specification No. 30.				
(a)	12 Watt				
(i)	Supply	80	No.		
(ii)	Fixing	80	No.		
(b)	18 Watt				
(i)	Supply	100	No.		
(ii)	Fixing	100	No.		
(c)	24 Watt				
(i)	Supply	40	No.		
(ii)	Fixing	40	No.		
31	Supply & Fixing of Exhaust Fan as per Technical Specification No. 31.	15	No.		
32	Supply, Installation, Testing & Commissioning of 30 Watt, 100V PA wall mounted Speaker, indoor type of reputed make and as per Technical Specification No. 32.				
(a)	Supply	50	No.		
(b)	Installation, Testing & Commissioning	50	No.		

S/N	Description	Qty	Unit	Rate	Amount
33	Supply, Installation, Testing & Commissioning of High Fidelity, 16 Watt, 2-way, 100V line multipurpose PA Speaker system of reputed make and as per Technical Specification No. 33.				
(a)	Supply	1	No.		
(b)	Installation, Testing & Commissioning	1	No.		
34	Supply, Installation, Testing & Commissioning of High Power 2500 Watt PA Amplifier with overload protection of reputed make and as per Technical Specification No. 34.				
(a)	Supply	1	No.		
(b)	Installation, Testing & Commissioning	1	No.		
35	Supply, Installation, Testing & Commissioning of 17 Channel rack mounting Preamplifier with MP3 & BT player of reputed make and as per Technical Specification No. 35.				
(a)	Supply	1	No.		
(b)	Installation, Testing & Commissioning	1	No.		
36	Supply, Installation, testing & commissioning of Paging Microphone with multi tone chime of reputed make and as per Technical Specification No. 36				
(a)	Supply	2	No.		
(b)	Installation	2	No.		
37	Supply, Installation, Testing & Commissioning of Dual Wireless Microphone system of reputed make as per Technical Specification No. 37.				
(a)	Supply	2	No.		
(b)	Installation, Testing & Commissioning	2	No.		
38	Supply, Installation, Testing & Commissioning of CVT- Speaker Volume Controller of 40 Watt with plastic housing of reputed make and as per Technical Specification No. 38.				
(a)	Supply	1	No.		
(b)	Installation, Testing & Commissioning	1	No.		
39	Supply, Installation, Testing & Commissioning of 2 C X 2.5 sq.mm 99.9 tinned copper screened unarmoured cable for speakers of reputed make and as per Technical Specification No. 39.				

S/N	Description	Qty	Unit	Rate	Amount
(a)	Supply	2000	Mtr.		
(b)	Laying, Testing & Commissioning	2000	Mtr.		
40	Supply, Installation, Testing & Commissioning of MICE Cable with XLR, screened of 10 Mtr long of reputed make and as per Technical Specification No. 40				
(a)	Supply	10	No.		
(b)	Installation, Testing & Commissioning	10	No.		
41	Supply, Installation, Testing & Commissioning of SHILDED system Cable, screened of 2 Mtr long of reputed make and as per Technical Specification No. 41				
(a)	Supply	10	No.		
(b)	Installation, Testing & Commissioning	10	No.		
42	Supply, Installation of MS Powder coated floor mounted 19U rack for PA system as per Technical Specification No. 42.				
(a)	Supply	1	No.		
(b)	Installation	1	No.		
43	Supply, Installation, Testing & Commissioning 2 way GI-Junction Box, IP-66 of f SHILDED of system reputed make and as per Technical Specification No. 43				
(a)	Supply	50	No.		
(b)	Installation	50	No.		
44	Supply of Podium for sound system for working with 1 No. of flexible wireless mike of reputed make and as per Technical Specification No. 44.				
(a)	Supply	1	No.		
(b)	Installation	1	No.		
45	Providing & fixing following concealed wiring for CCTV Camera from the main switch to the switch board with CAT-6 cable as per Technical Specification No. 45	5000	Mtr.		

S/N	Description	Qty	Unit	Rate	Amount
46	High Mast Design, Manufacturing, supply atsite, of 20 Mtrs. height with raising andlowering arrangement head frameluminaries carriage suitable to installd 12 to15 Nos luminaries in symmetrical arrangement double drum winch andrequired accecerries like wire trailing cable connector integral power cable tool motormanual handle junction box ligtening finialwiring material power cable panel between panel and mast MCB in base compartment Cg mounting clamps and bolts etc. Also included foudation bolts special steel alongwith nuts washers anchor plate and template HIGH MAST 20MT 150/450 MM SECTIONTHIKNESS 3/4 MM PCD 590 MM (8 HOLE)and as per Technical Specification No. 46	2	No		
47	Supply & Installation of Chemical treated copper pipe earthing Dia 20mm pipe in-pipe with set as per relavent IS Standard and as per technical specification No. 47.	4	No		
48	Supply & Installation of Chemical treated GI pipe earthing dia 25-30mm set as per relevant IS standard and as per Technical Specification No. 48.	10	No		
49	Supply, Laying, connecting of Copper & GI Strips Connecting earth station to the equipmement as per Technical Specification No. 49.				
(a)	50x6mm thick Copper				
(I)	Supply	25	Mtr.		
(II)	Laying, connecting	25	Mtr.		
(a)	50x6mm thick GI				
(I)	Supply	50	Mtr.		
(II)	Laying, connecting	50	Mtr.		
(a)	25x3mm thick GI				
(I)	Supply	500	Mtr.		
(II)	Laying, connecting	500	Mtr.		



S/N	Description	Qty	Unit	Rate	Amount
50 (a)	Providing & connecting following type earth wire for earth station to Main DB / Meter/SB as per requirement as per Technical Specification No. 50. 8 SWG GI earthing wire.	1500	Mtr.		
Total Amount: Rs.					

J.E. (E) Gr.I

A.E. (E)

XEN (E)