



SHREE GANESH ELECTRICALS

ELECTRICAL, PLUMBING AND SANITATION

(Govt. License No. Class I-5543)

Belview Apartments, Valencia, Mangalore - 575 001 .

ESTIMATE

Ref :Est/CHSA/Benjanapadav/SG/2025-26(076)

Date:07/02/2026

To:

The Secretary
Canara High School Association
Kodialbail
Mangalore

Site: At Canara Engineering College Campus Benjanapadav

Sub : Estimate for Electrical works towards point wiring, power point & circuit wire laying
works at Academic Extension Block.

Work Note No:

(G+3)

Sl No.	DESCRIPTION	UNIT	QTY	RATE	Amount
1	INTERNAL LIGHT POINT & POWER WIRING				
	Point wiring through 20/25mm dia, 2mm thick PVC conduit pipe with 3 nos. of 1.5 sq.mm. 1100V grade FR copper wires with Modular Switches complete with all the accessories as specified. The conduit shall be run concealed in slab/wall/partition or open run on the wall/trays/or cieling with spacers and saddles. The GI switch box shall be flush mounted in the wall / partition works or as directed by Consultant/Architect and shall be done in coordination with civil works. The wires shall be terminated in seperate connector before fixture.				
a	One light point controlled by 1 no. 6A SP switch. (Average 4Mtr)	Nos.	80 ✓	805 ✓	64400.00
b	One light point controlled by 1 no. 6A SP switch. (Average 6Mtr)	Nos.	48 ✓	1108 ✓	53184.00
c	One light point controlled by 1 no. 6A SP switch. (Average 10Mtr, Above 10 mtr to be considered in Ckt. Wiring)	Nos.	80 ✓	1714 ✓	137120.00
d	Secondary light point (from 1st light to 2nd light/2nd to 3rd) (Average 5Mtr, Above 5 mtr to be considered in Ckt. Wiring)	Nos.	120 ✓	843 ✓	101160.00



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e	Two way light points controlled from 2 places. For stair case from light point. (Average 6Mtr, Above 6 mtr to be considered in Ckt. Wiring)	Nos.	4	1512 ✓	6048.00
f	Ceiling fan point controlled by 1 no. 6A SP switch. step type electronic fan regulator. (Average 4Mtr)	Nos.	9	1617 ✓	14553.00
g	One Ceiling Fan point controlled by 1 no. 6A SP switch. (Average 4Mtr)	Nos.	12	805 ✓	9660.00
h	One Ceiling Fan point controlled by 1 no. 6A SP switch. (Average 6Mtr)	Nos.	28	1108 ✓	31024.00
i	One Ceiling Fan controlled by 1 no. 6A SP switch. (Average 10Mtr, Above 10 mtr to be considered in Ckt. Wiring)	Nos.	124	1714 ✓	212536.00
j	1 no. 6A 5 pin dependent wall socket point controlled by 1 no. 6A SP switch.	Nos.	36	557 ✓	20052.00
k	Exhaust fan point controlled by 1 no. 6A SP switch and 6A Socket. (Including Concealed metal block ,5 amps switch, moulded switch plate for switch & Concealed metal block, 5 amps socket, moulded plate for socket - supply near the Exhaust fan point complete) (Average 3Mtr, Above 3mtr to be considered in ckt. wiring)	Nos.	36	1180 ✓	42480.00
2	CIRCUIT WIRING FOR LIGHTS/ FANS/POWER SOCKETS ETC.				
	Supply, drawing, testing & commissioning of concealed / open wiring from DB to switch board / switch board to switch board using 1100V grade PVC insulated copper FR wire in 20/25 mm PVC conduit with all the required accessories. (Two circuit of the same phase can be taken in 25mm dia conduit).				
a	2 x 1.5 sq.mm. copper wire in 20mm dia conduit.	Mtrs.	30	151 ✓	4530.00
b	3 x 1.5 sq.mm. copper wire in 20mm dia conduit.	Mtrs.	1280	186 ✓	238080.00
c	2 x 4.0 sq.mm. + 1 x 2.5 sq.mm. copper wire in 25mm dia conduit.	Mtrs.	6645	304 ✓	2020080.00
d	4 x 4.0 sq.mm. + 1 x 2.5 sq.mm. copper wire in 25mm dia conduit.	Mtrs.	60	469 ✓	28140.00
e	4 x 6 sq.mm. + 1 x 4.0 sq.mm. copper wire in 32mm dia conduit.	Mtrs.	590	676 ✓	398840.00
f	4 x 16.0 sq.mm. + 1 x 6.0 sq.mm. copper wire in 32mm dia conduit.	Mtrs.	65	1620 ✓	105300.00



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g	5 x 16.0 sq.mm. + 1 x 10.0 sq.mm. copper wire in 32mm dia conduit.	Mtrs.	63	1966 ✓	123858.00
h	2 x 2.5 sq.mm. + 1 x 1.5 sq.mm. copper wire in 20mm dia conduit.	Mtrs.	3600	224 ✓	806400.00
3	POWER SOCKET/UPS SOCKET OUTLET/TELP, DATA, TV OUTLET.				
	Supply, installation, testing and commissioning of approved make Modular Type 6A/16A shuttered socket outlets controlled by 6A/16A/20A switches with front plate on the concealed metal box. The rate shall include the cost of metal box, switch plate, switch socket etc and all the materials required.				
a	1 no. 6A shuttered socket outlet controlled by 1 no. 6A switch.	Nos.	12	731 ✓	8772.00
b	2 no. 6A shuttered socket outlet controlled by 2 no. 6A switch for computers.	Nos.	910	1486 ✓	1352260.00
c	1 no. 16A shuttered socket outlet controlled by 1 no. 16A switch.	Nos.	24	1075 ✓	25800.00
d	2 no. 16A shuttered socket outlet controlled by 2 no. 16A switch.	Nos.	60	2021 ✓	121260.00
e	1 no. 6A shuttered socket outlet.	Nos.	24	644 ✓	15456.00
f	1 no. 16A shuttered socket outlet.	Nos.	56	725 ✓	40600.00
g	1 no. 16A switch with indicator.	Nos.	56	662 ✓	37072.00
h	RJ 11 telephone socket (Jack type).	Nos.	20	575 ✓	11500.00
i	RJ 45 UTP information outlets.	Nos.	916	867 ✓	794172.00
4	Supply, laying, testing and commissioning of approved make 1100V grade XLPE insulated Aluminum condutor, armoured PVC UG cable. The rate quoted shall be for laying the cable in trenches (indoor / out door).				
a	3.5C X 185 sq.mm Al, XLPE Cable	Mtrs.	65	1674 ✓	108810.00
b	3.5C X 240 sq.mm Al, XLPE Cable .	Mtrs.	289	2086 ✓	602854.00
5	Supply, laying, testing and commissioning of approved make 1100V grade XLPE insulated Copper condutor, armoured PVC UG cable. The rate quoted shall be for laying the cable in trenches (indoor / out door).				
a	4C X 2.5 sq.mm Cu., XLPE Cable.	Mtrs.	170	316 ✓	53720.00



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6	Supplying and providing cable end termination with crimping type Aluminum lugs, single compression brass cable gland,taping, crimping, gland and armour earthing as per the specification.				
a	3.5C X 185 sq.mm Al, XLPE Cable	Nos.	2	1534 ✓	3068.00
b	3.5C X 240 sq.mm Al, XLPE Cable	Nos.	2	1995 ✓	3990.00
7	DB'S				
i)	SPN DB's				
a	4 Way	Nos.	-	1955 ✓	
b	8 Way	Nos.	4	2477 ✓	9908.00
ii)	ETPN DB'S				
a	4 Way	Nos.	-	4601 ✓	
b	6 Way	Nos.	28	5550 ✓	155400.00
8	Metal Enclosure				
	for independent mounting of MCB's/RCCB's/RCBO's/MCCB's				
a	DP/TP/FP MCB Enclosure	Nos.	1	706 ✓	706.00
9	MCB				
i)	Single Pole (SP)				
a	6/10/16/20/25/32 A SP	Nos.	296	323 ✓	95608.00
ii)	Four Pole (FP)				
a	6/10/16/20/25/32 A FP	Nos.	32	2154 ✓	68928.00
b	40A FP	Nos.	-	2805 ✓	
c	50/63A FP	Nos.	8	2805 ✓	22440.00
10	RCCB's				
i)	Double Pole (DP)				
a	25A Sensitivity 100mA	Nos.	68	2888 ✓	196384.00
b	63A Sensitivity 100mA	Nos.	12	3852 ✓	46224.00
ii)	Four Pole (FP)				
a	40A Sensitivity 300mA	Nos.	1	4193 ✓	4193.00
11	Supply & fixing of Bulk head fittings of using 10x8 open box, Bulkhead, 9W LED Bulb, 5Amps ordinary plug point complete in lift way at every level as per lift rules.	Nos.	5	793 ✓	3965.00
12	25mm X 300mm long Copper earth bus.	Nos.	2	492 ✓	984.00
13	TELEPHONE.				
	Supply and laying of following telephone cable in PVC conduit pipe/ PVC wire ways with all the required materials.				
a	2 pair x 0.5mm Cu. Cable	Mtrs.	600	119 ✓	71400.00



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b	20 pair x 0.5mm Cu. Cable	Mtrs.	200	291 ✓	58200.00
14	Supply and installation of Krome junction with fittings.				
a	20 pair	Nos.	1	1747 ✓	1747.00
15	Supply and Installation of 2mm thick GI Perforated type cable. The tray shall be fixed to wall/Ceiling with necessary cross support angles.				
a	Cable Tray = 300mm wide x50mm height .	Mtrs.	20	2098 ✓	41960.00
16	Supply and Laying of PVC conduit pipe with GI pull wire.				
i)	Make SN Plast				
a	20mm dia conduit pipe	Mtrs.	800	78 ✓	62400.00
b	25mm dia PVC conduit.	Mtrs.	3748	94 ✓	352312.00
ii)	Make AVON Plast/ Universal				
a	20mm dia conduit pipe	Mtrs.	30	101 ✓	3030.00
b	25mm dia PVC conduit.	Mtrs.	60	129 ✓	7740.00
17	Supply and laying of Fan Hook Box.	No.	108	135 ✓	14580.00
18	Supply and fixing 600mm long MS pipe for fan down rod.	Nos.	158	169 ✓	26702.00
19	Labour Charge for Fixing Fixtures				
a	Patti Type Tubelight Set (Single Tube)	Nos.	180	85 ✓	15300.00
b	SV/MV Stree light Fitting.	Nos.	6	250 ✓	1500.00
c	Ceiling Fan	Nos.	158	165.00 ✓	26070.00
d	Exhaust Fan	Nos.	24	165.00 ✓	3960.00
20	Copper Strip				
a	25mmx3 mm Copper Strip	Mtrs.	60	1550 ✓	93000.00
21	Copper Wire				
a	8 SWG copper wire.	Mtrs.	60	362 ✓	21720.00
22	Supplying, fixing & testing of 3 Mtr Copper Bonded Rod Earthing -1.Nos, 062173 Copper Bonded Steel Rod 17.2mm Dia, 3000mm Long, 250 Micron (UL Listed) - 1.Nos, 078002 VNT GC + Earth enhancement graphite compound 22.6 Kg Bag (DEHN Approved) - 1.Nos, 035002 Stainless Steel Earth Road Connecting Big Clamp- SS-316 -1.Nos, Electra Fill Earthing Compound-12.5Kg & Rod Earthing Installation complete	Nos	6	17258 ✓	103548.00
23	Supplying and fixing of finolex make copper flexible wire				
a	16 sqmm flexible copper wire	Mtrs.	25	327 ✓	8175.00



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b	10 sqmm flexible copper wire	Mtrs.	40	220 ✓	8800.00
24	Labour charges for LAN wire laying	Mtrs.	23600	26 ✓	613600.00
25	Labour charge for OFC cable laying	Mtrs.	150	26 ✓	3900.00
26	Supplying and fixing of				
a	Fan U hooks with 2 no Anchor bolt	Nos	50	246 ✓	12300.00
27	Supplying and fixing of				
a	5 Amps Pin top	Nos	8	105 ✓	840.00
28	Supplying and fixing of RCC Earth chamber cover fixing	Nos	6	3500 ✓	21000.00
29	Supplying and fixing of 100x50MM PVC Trunk	Mtrs.	600	595 ✓	357000.00
30	Labour charge for Main distribution panel installation (Approximate)	Nos	1	18000 ✓	18000.00
31	Supplying and fixing of finolex make 4kg pressure PVC pipe (IS4985) using tee, elbow , bend , coupling and cap (suage line)				
a	1" PVC pipe (open)	Mtrs.	102	233 ✓	23766.00
b	1 ½" pressure PVC pipe (06 kg) (open)	Mtrs.	55	331 ✓	18205.00
c	1" PVC pipe concealed	Mtrs.	250	282 ✓	70500.00
d	1 ½" 6kg pressure PVC pipe concealed	Mtrs.	9	361 ✓	3249.00
32	Supplying and fixing of finolex make 6kg pressure PVC pipe (IS4985) using bend , coupling (Excluding Tee, Elbow, Y, Door elbow, Door Tee, Door Y)				
a	2½" 6kg pressure PVC pipe	Mtrs.	43	443 ✓	19049.00
b	4" 6kg pressure PVC pipe	Mtrs.	40	787 ✓	31480.00
c	6" 6kg pressure PVC pipe	Mtrs.	60	1286 ✓	77160.00
d	8" 6kg pressure PVC pipe	Mtrs.	80	1929 ✓	154320.00
33	Supplying and fixing of F.K make cast- iron CI cover				
a	18"x18"	Nos	2	2349 ✓	4698.00
b	24"x24"	Nos	2	5025 ✓	10050.00
34	Earth excavation and refilling charges are all extra				
a	Soft soil	Cft	2177	30 ✓	65310.00
35	Providing and construction of inspection chamber with 4" thick <u>Factory bricks</u> in 1:6 cement motor on base 6" thick 1:4:8 PCC bend and chamber inside grout finish and outside plastering cement motor 1:4 including earth work excavation , curing etc complete				
a	24"x24"x24"	Nos	2	4470 ✓	8940.00

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b	36"x36"x24"	Nos	1	9718 ✓	9718.00
c	36"x36"x36"	Nos	1	13751 ✓	13751.00
36	Supply, laying, testing and commissioning of approved make 1100V grade XLPE insulated Aluminum condutor, armoured PVC UG cable. The rate quoted shall be for laying the cable in trenches (indoor / out door).				
a	4 x 25 sq.mm Al,XLPE Cable	Mtrs.	35	383 ✓	13405.00
37	Supplying and providing cable end termination with crimping type Aluminum lugs, single compression brass cable gland,taping, crimping, gland and armour earthing as per the specification.				
a	3.5C X 35 sq.mm AlXLPE Cable	Nos.	2	879 ✓	1758.00
38	Supplying and fixing of finolex make 6kg pressure PVC pipe (IS4985) using bend , coupling (Excluding Tee, Elbow, Y, Door elbow, Door Tee, Door Y)				
a	2½" 6kg pressure PVC pipe	Mtrs.	30	443 ✓	13290.00
39	Earth excavation and refilling charges are all extra				
a	Soft soil	Cft.	147	30 ✓	4410.00
40	Supplying and fixing of MS Chakkar Sheet fabrication using support MS "C" Channel Black Enamel Paint complete. (Approximate)	Nos.	1	95000 ✓	95000.00
41	Supplying and fixing of finolex make copper flexible wire				
a	16 sqmm flexible copper wire	Mtrs.	15	327 ✓	4905.00
52	Labour Charges for Street Light Panel shifting and Other miscellanius works. Complete.	Ls.	1	5750 ✓	5750.00
53	Labour Charges for Remote Tap Changeover Panel dimentling work.	Ls.	1	2875 ✓	2875.00
Total					1,08,01,892.00
Less Discount @ 3%					3,24,056.76
Total					1,04,77,835.24
Rounded Off					1,04,77,835.00
(Rupees One Crore Four Lakhs Seventy Seven Thousand Eight Hundred Thirty Five Only)					

Note : GST Charges Extra

W.A. may be
 29/6/26 P.T.O. as

For SHREE GANESH ELECTRICALS

 Proprietor

Above specified electrical work estimate for the new extension Academic Block is as per design.

The unit rates are as per the proposed new rate (proposed)

The estimate ~~is for does not include Terrace floor~~ is for (Ground + 3 floors) only. Terrace floor electrical details to be considered separately after its internal design details.

Above estimate can be considered for work order

[Signature]
SATHISH KUMAR SHETTY
Senior Consultant
12/9/2026
GOVT. ENGINEERING DEPARTMENT
150 KENT ROAD
MADRAS - 600 026

G+3 Qty's are estimated
verified.
note: Top floor estimation to be considered separately.

G+3 floor
forwarded for Approval
[Signature]

[Signature]
25/2/26.

Resident Engineer
CANARA ENGINEERING COLLEGE
Sudhindra Nagar, Benjanapadavu
Bantwal Taluk, D.K. - 574 219

W.O. may be issued
[Signature]

[Signature]
29/6/26

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ESTIMATE

Ref :Est/CHSA/Benjanapadav/SG/2025-26(077)

Date:07/02/2026

To:

The Secretary
Canara High School Association
Kodialbail
Mangalore

Site: At Canara Engineering College Campus Benjanapadav ✓

Sub : Plumbing works Estimate for Plumbing works & Sanitary works at Academic
Extension Block.

Work Note No:

(G+3)

Sl No.	DESCRIPTION	UNIT	QTY	RATE	Amount
A	SANITARY FIXTURES:				
1	Supplying,installing, testing and commissioning approved make white colour European water closet wall hung type with 32 mm dia C.P. flush valve. The quoted price shall include 32 mm dia C.P.flush valve Concealed Push button type with built in stop valve CP wall flanges, colour plastic solid seat and cover with rubber buffers and flap, heavy duty plastic hinges,C.I. chair bracket etc., complete.				
	Supply & Fixing:	Nos.	24	16935 ✓	4,06,440.00
2	Supplying,installing, testing and commissioning approved make O.W.C with 'P' or 'S' trap with required accessories including earth excavation and refilling complete .				
	Supply & Fixing:	Nos.	8	4484 ✓	35,872.00



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3	Supplying, installing, testing and commissioning approved make wash basin white colour fixed wall mounted with single hole 15mm Long body C.P. pillar Tap unit, 32mm dia CP waste coupling, 1 No. 15mm dia C.P. angle cock 1 No. C.P. flexible inlet connection pipe G.I. expansion bolts etc., complete including silicon sealant.				
	Supply & Fixing:	Nos.	32	6185	1,97,920.00
4	Supplying, installing, testing and commissioning approved make 15mm CP shower unit comprising of CP 15mm single lever divertor with CP conversion bend, CP spout, ceiling rain shower shower set comprising of CP shower arm, rose etc., complete				
	Supply & Fixing:	Nos.	RO	11314	
5	Installing, testing and commissioning approved make electric water heater Including necessary 1 no. C.P. angle cock 15 mm N.R.V. pressure relief valve C.P. flexible inlet connection pipes, Rag bolts/expansion bolts to support the electric water heater etc., complete.				
	Fixing:	Nos.	RO		
6	Supplying, installing, testing and commissioning of approved make 15 mm CP health faucet with CP flexible tube 1.0m long, CP crutch, nozzle etc., complete.				
	Supply & Fixing:	Nos.	32	1557	49,824.00
7	Supplying, Installing, testing and commissioning approved make white coloured large flat back urinals with 40 mm C.P. dome type waste coupling, 15 mm dia C.P. push cock with C.P. flush pipe, C.P. spreader, expansion bolts etc., complete.				
	Supply & Fixing:	Nos.	24	10323	2,47,752.00
8	Supplying and fixing of steel sink frankly make complete (Steel sink with drain 44x20x9)				



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	Supply & Fixing:	Nos.	RO	16362 ✓	
9	Supplying, fixing of approved make 15mm Longbody TAP with necessary CP wall flanges etc.,complete.				
	Supply & Fixing:	Nos.	32	1508 ✓	48,256.00
10	Supplying, Installing, testing and commissioning angle cock.				
	Supply & Fixing:	Nos.	44	1106 ✓	48,664.00
11	Supplying and fixing of JAGUAR flush valve 1095 with necessary fittings in concealed system complete				
	Supply & Fixing:	Nos.	8	4676 ✓	37,408.00
12	Fixing of approved make 20mmdia CP towel rail 600mm long with CP end clamps, screws etc., complete.				
	Fixing:	Nos.	32	125 ✓	4,000.00
13	Fixing approved make CP soap tray recessed type 150x150mm set in CM etc.,complete.				
	Fixing:	Nos.	32	125 ✓	4,000.00
14	Fixing approved make mirror with screws etc.,complete.				
	Fixing:	Nos.	32	125 ✓	4,000.00
TOTAL PART - A:					10,84,136.00
B	SOIL, WASTE AND VENT PIPE SYSTEM:				
1	Supplying, laying, jointing, testing and commissioning approved make PVC pipes- 6 Kg/cm2 with solvent cement joints confirming to IS 4985 for kitchen sink , wash basin outlets. The quoted rate shall include necessary chasing in walls				
	a) 1 ¼" 6kg pressure PVC pipe concealed (40mm dia)	Rmt.	50	295 ✓	14,750.00
	b) 1 ½" 6kg pressure PVC pipe concealed (50mm dia)	Rmt.	100	361 ✓	36,100.00



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2	Supplying, laying, jointing, testing and commissioning approved make PVC pipes- 4 Kg/cm2 with solvent cement joints confirming to IS 4985 for Air Vent Pipe. The quoted rate shall include necessary chasing in walls making good the same in C.M. 1:4, necessary fittings viz., elbows, tees etc..complete.				
	a) 2" 4kg pressure PVC pipe concealed (63mm dia)	Rmt.	30	390 ✓	11,700.00
3	Supplying, laying, jointing, testing and commissioning approved make PVC pipes- 6 Kg/cm2 with solvent cement joints confirming to IS 4985 for suage pipe. The quoted rate shall include				
	a) 2½" 6kg pressure PVC pipe (75mm dia)	Rmt.	200	466 ✓	93,200.00
	b) 4" 6kg pressure PVC pipe (110mm dia)	Rmt.	100	1112 ✓	1,11,200.00
	c) 6" 6kg pressure PVC pipe (160mm dia)	Rmt.	312	1435 ✓	4,47,720.00
	d) 8" 6kg pressure PVC pipe (200mm dia)	Rmt.	RO	1929 ✓	--
4	Supplying, laying, jointing, testing and commissioning approved make PVC pipes- 8 Kg/cm2 with solvent cement joints confirming to IS 4985 for weep pipes. The quoted rate shall include necessary chasing in walls making good the same in C.M. 1:4, necessary fittings viz., elbows, tees etc.complete.				
	a) 1" PVC pipe -(08Kg) concealed (32mm dia)	Rmt.	15	282 ✓	4,230.00
	b) 1" PVC pipe (open pipes) (32mm dia)	Rmt.	30	233 ✓	6,990.00
5	Supplying, laying, jointing, testing and commissioning approved make PVC pipes- 6 Kg/cm2 with solvent cement joints confirming to IS 4985 for suage pipe. The quoted rate shall include				
	a) 2½" 6kg pressure PVC pipe (75mm dia)	Rmt.	40	466 ✓	18,640.00
	b) 4" 6kg pressure PVC pipe (110mm dia)	Rmt.	250	1112 ✓	2,78,000.00
	c) 6" 6kg pressure PVC pipe (160mm dia)	Rmt.	60	1435 ✓	86,100.00
	d) 8" 6kg pressure PVC pipe (200mm dia)	Rmt.	80	1929 ✓	1,54,320.00
6	Supplying and fixing approved make uPVC multi inlet floor trap with 75mm dia outlet with extension piece and CP brass cover on top etc., complete with	Nos.	40	1386 ✓	55,440.00



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7	Supply and fixing of stainless steel pipe with puddle flanges for UG SUMP/ OHT.				
	a) 50 mm dia	Nos.	10	1860 ✓	18,600.00
	b) 63 mm dia	Nos.	8	4105 ✓	32,840.00
	c) 90 mm dia	Nos.	8	5028 ✓	40,224.00
	d) 110mm dia	Nos.	6	8111 ✓	48,666.00
	e) 160 mm dia	Nos.	4	11886 ✓	47,544.00
8	Supplying, fixing, testing and commissioning pocilin P traps, 600x600mm C.I. grating (medium duty), 100 mm dia outlet set in PCC 1:4:8 bed, 115 thick masonry chamber in CM 1:4, internal and external plastering 12mm thick in CM 1:6,	Nos.	8	7906 ✓	63,248.00
9	Providing and constructing inspection chambers comprising burnt brick masonry walls built in CM 1:4 over CC bed, RCC cover slab benching in CC 1:2:4 internal faces plastered smooth in CM 1:4, 15mm thick and outside Rough Plastered with cm 1:6 15mm thick including 600x600mm medium duty CI Manhole Frame & cover with necessary earth work excavation returning and refilling and disposing surplus soil as directed by the Engineer in charge.(Sewer line)				
	a) 900x900mm size internal & depth up to 1200mm	Nos.	20	22813 ✓	4,56,260.00
10	Excavation in trenches in Loose soil (other than in rock requiring chistelling and blasting) for laying Sewer lines and refilling of trenches after pipes are laid in layers not exceeding 15 cm watering and consolidation including disposing off surplus earth as directed by the Engineer incharge, providing necessary Shoring & Strutting while excavating etc.. complete.				
	a) Depth of excavation up to 1.0m	Cum.	150	1059 ✓	1,58,850.00



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11	Excavation in trenches in ordinary hard soil (other than in rock requiring chistelling and blasting) for laying Sewer lines and refilling of trenches after pipes are laid in layers not exceeding 20 cm watering and consolidation and disposing off surplus earth as directed by the Engineer incharge, providing necessary Shoring & Strutting while excavating etc., complete				
	a) Depth of excavation up to 1.5m	Cum.	50	1270 ✓	63,500.00
12	Drilling with core cutting machine in RCC beams, slabs,floors etc., for alying pipes and rendering the same in RCC 1:2:4, finishing the same to the satisfication of the owner or his authorised representative etc., including nominal reniforcement wherever required complete. The quoted rate shall also include for providing EPOXY based water proofing compound for sealing the joints around the pipes. CC Slabs.				
	a) 40mm dia pipe.	Nos.	4	1130 ✓	4,520.00
	b) 50 mm dia pipe.	Nos.	25	1190 ✓	29,750.00
	c) 63 mm dia pipe.	Nos.	4	1215 ✓	4,860.00
	d) 75 mm dia pipe.	Nos.	4	1275 ✓	5,100.00
	e) 110 mm dia pipe.	Nos.	40	1295 ✓	51,800.00
	f) 160 mm dia pipe.	Nos.	4	1500 ✓	6,000.00
	g) 200 mm dia pipe.	Nos.	10	1760 ✓	17,600.00
TOTAL PART - B:					23,67,752.00
C	WATER SUPPLY SYSTEM:				



SHREE GANESH ELECTRICALS

ELECTRICAL, PLUMBING AND SANITATION

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Belview Apartments, Valencia, Mangalore - 575 001 .

1	Supplying, installing, fixing, jointing, testing and commissioning of approved make Chlorinated Polyvinyl Chloride pipes (CPVC) SDR.11, ASTM CTS, ASTM IPS. The fittings and specials such as tees, elbows, couplers, bends, enlargers etc., with CPVC brass threaded combination / transition specials such as male adapters brass threaded female adapters, brass FPT Tee, Brass FPT elbow etc., where connection with metal is to be made including necessary drilling holes, chasing walls and making the same good in geru mixed cement marmor 1:1 restore the same original condition neatly as directed by the Engineer incharge. The quoted rate shall include pressure testing (Once at the time of fixing the concealed pipes and once pre tiling). Joints to be made with CPVC solvent cement up to 50mm dia as per ASTM D2846 and above 50mm dia primer P70, and solvent confirming to ASTM F4931 / 724. The quoted rate shall include necessary fittings like Tees, Bends, Offsets etc., complete .				
	a) ¾" CPVC pipe concealed (20mm dia)	Rmt.	RO	489 ✓	--
	b) ¾" CPVC pipe (open pipes) (20mm dia)	Rmt.	RO	440 ✓	--
	c) 1" CPVC pipe (open pipes) (25mm dia)	Rmt.	RO	607 ✓	--
	d) 1 ¼" CPVC pipe (open pipes) (32mm dia)	Rmt.	RO	626 ✓	--
	e) 1 ½" CPVC pipe (open pipes) (40mm dia)	Rmt.	RO	761 ✓	--
	f) 2" CPVC pipe (50mm dia)	Rmt.	RO	1197 ✓	--
	h) 1" CPVC pipe concealed (25mm dia)	Rmt.	RO	643 ✓	--



SHREE GANESH ELECTRICALS

ELECTRICAL, PLUMBING AND SANITATION

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2	Providing, fixing, jointing, testing and commissioning in position the following UPVC pipes (Schd - 40 pipes) cut to required lengths including all necessary fittings and specials such as bends, tees, unions, reducers, flanges, plugs, elbows, couplers, enlargers etc., fixing for terrace ring level as per specification. PVC pipe sleeve of larger diameter shall be provided wherever the pipes are crossing the walls/floors/ slab and sealing the sleeves as per requirement, jointing, and making				
	a) ½" UPVC pipe (concealed) (20mm dia)	Rmt.	100	459 ✓	45,900.00
	b) ¾" UPVC pipe (concealed) (25mm dia)	Rmt.	300	485 ✓	1,45,500.00
	c) 1" UPVC pipe (concealed) (32mm dia)	Rmt.	50	548 ✓	27,400.00
	d) 1 ¼" UPVC pipe (concealed) (40mm dia)	Rmt.	35	567 ✓	19,845.00
	e) 1 ½" UPVC pipe (concealed) (50mm dia)	Rmt.	60	584 ✓	35,040.00
	f) 2" UPVC pipe (open) (63mm dia)	Rmt.	350	640 ✓	2,24,000.00
	g) 2 ½ " UPVC pipe (open) (75mm dia)	Rmt.	RO	830 ✓	
	h) 4" UPVC pipe (110mm dia)	Rmt.	RO	1584 ✓	
	i) ¾" UPVC pipe (open) (25mm dia)	Rmt.		459 ✓	
	j) 1" UPVC pipe (open) (32mm dia)	Rmt.		515 ✓	
	k) 1 ¼" UPVC pipe (open) (40mm dia)	Rmt.	80	535 ✓	42,800.00
	l) 1 ½" UPVC pipe (open) (50mm dia)	Rmt.	60	551 ✓	33,060.00
3	Providing, fixing, jointing, testing and commissioning in position the following UPVC pipes (Schd - 80 pipes) cut to required lengths including all necessary fittings and specials such as bends, tees, unions, reducers, flanges, plugs, elbows, couplers, enlargers etc., fixing for terrace ring level as per specification. PVC pipe sleeve of larger diameter shall be provided wherever the pipes are crossing the walls/floors/ slab and sealing the sleeves as per requirement, jointing, and making				
	a) 1 ½" UPVC pipe (open) (50mm dia)	Rmt.	100	640 ✓	64,000.00
	b) 2" UPVC pipe (open) (63mm dia)	Rmt.	100	692 ✓	69,200.00
	c) 2 ½ " UPVC pipe (open) (75mm dia)	Rmt.	RO	918 ✓	--



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4	Supplying, installing, testing and commissioning of approved make full way lever operated forged brass ball valve of brass body with forged brass hard chromeplated steel ball tested to a pressure not less				
	a) 20 mm dia	Nos.	2	689 ✓	1,378.00
	b) 25 mm dia	Nos.	30	1048 ✓	31,440.00
	c) 32 mm dia	Nos.	4	1737 ✓	6,948.00
	d) 40mm dia	Nos.	10	2487 ✓	24,870.00
	e) 50 mm dia	Nos.	6	3528 ✓	21,168.00
	f) 63 mm dia	Nos.	6	6981 ✓	41,886.00
5	Supplying, installing, testing and commissioning of approved make butterfly valve (upto 150mm dia with hand lever operation & above with gear box operation). Tested to a pressure not less than 16 Kg/Sq.cm. Excluding rubber gasket, G.I. flanges, G.I. nuts, G.I. bolts, G.I. washers & painting complete as required.				
	a) 63mm dia	Nos.	4	2632 ✓	10,528.00
	b) 75mm dia	Nos.	RO	3033 ✓	
	c) 110 mm dia	Nos.	RO	3672 ✓	
6	Supplying and Fixing of UPVC Flange with SS bolt nut complete.				
	a) 63mm dia	Nos.	4	3708 ✓	14,832.00
	b) 75mm dia	Nos.	RO	4815 ✓	
	c) 110 mm dia	Nos.	RO	5382 ✓	
7	Supplying, installing, testing and commissioning approved make GM/brass non-return valve confirming to IS 778 with necessary unions etc. complete.				
	a) 40mm dia	Nos.	4	1939 ✓	7,756.00
	b) 50mm dia	Nos.	4	3107 ✓	12,428.00
	c) 63mm dia	Nos.	4	4761 ✓	19,044.00
	d) 75mm dia	Nos.	RO	5089 ✓	



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	Installing, testing and commissioning approved make submersible/Monoblock pump made of C.I Construction suitable for building application. The quoted rate shall also include for auto lvl. controller. providing necessary safety devices viz. dry run protection, over load relays etc., complete.				
	Fixing:	Set.	4	5000	20,000.00
	Fabrication & Supplying and fixing of M.S clamp with 'U' adjustable G.I clamp with supplying and fixing of anchor bolts				
	1 ¼" U clamp	Nos.	24	258	6,192.00
	1 ½" U clamp	Nos.	30	260	7,800.00
	2" U clamp	Nos.	290	263	76,270.00
	2½" U clamp	Nos.	40	283	11,320.00
	4" U clamp	Nos.	150	389	58,350.00
	6" U clamp	Nos.	234	465	1,08,810.00
	Supplying of Skaffholding material and labour charges for fixing of skaffholding for Individual drops at height	Rft	1180	145	1,71,100.00
TOTAL PART - C:					13,58,865.00
D	CONTINGENCIES.				
1	Contingency and Miscellaneous Cost.	Job.	1	200000	2,00,000.00
TOTAL PART - D:					2,00,000.00
E	RAIN WATER HARVESTING SYSTEM				
1	Providing & construction Rain water recharge pit as per IS 24701 P1& II and relevant construction drawing. The pit shall be construction of RCC Rings with RCC top slab and PCC bed at bottom and Recharge pit Filling of 40mm jelly & sand				
	Size of Recharge pit:-				
	a) 1.2m dia x 3.0m depth.	No.	2	50000	1,00,000.00
TOTAL PART - E:					1,00,000.00
F	Fabrication of SS Pipe Header				



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1	Supplying and Charges for fabrication of Pipe Header using	No.	1	126500	1,26,500.00
	8" dia "C" Class (4.85mm wall thickness) 304 Grade SS ERW pipe with 2" dia outlets 5nos. with				
	2" Dia outlets—5nos				
	2" Dia Butterfly valves-5nos				
TOTAL PART - F:					1,26,500.00
Grand Total (Part A + Part B + Part C + Part D + Part E + Part F)					52,37,253.00
Less Discount @ 3%					1,57,117.59
Total					50,80,135.41
Rounded Off					50,80,135.00
(Rupees Fifty Lakhs Eighty Thousand One Hundred Thirty Five Only)					

1	GST Charges Extra
2	All works to be carried out to relevant specifications as enumerated elsewhere in the Tender and as per the latest ISI specifications.
3	The chasing/fixing of sanitary ware and CP fittings on the tiles in bathroom etc., shall be carried out by electric drill only.
4	It is the responsibility of Plumbing Contractor to ensure the position of sleeves/cutouts for soil or any requirements for plumbing works as per the
5	All required consumables like Teflon tape, C.P. Screws, nuts, Bolts, washer, Silicon sealant ect. shall be in the contractor scope.
B	Exclusions:
1	U.G sump civil cost.
2	OHT civil cost & Water supply system.
3	Water Pumps .

Above Specified Plumbing ~~works~~ & Sanitary works estimate for the Academic Extension Block at CEC, Benjanapada is as per design. The unit rates are as per the proposed new rate (proposed). The estimate is for (Ground + 3 floors) only. The terrace floor Plumbing & Sanitary details with estimate to be considered separately after the internal design.

Above estimate can be considered

For SHREE GANESH ELECTRICALS

Sathish Kumar Shetty
Proprietor

W.O. may be signed
29/6/26

SATHISH KUMAR SHETTY
Service Consultant
2nd Floor, "MOTISHAM APARTMENT"
OLD KENT ROAD
MANGALORE-575001

12/02/2026



SHREE GANESH ELECTRICALS

ELECTRICAL, PLUMBING AND SANITATION

(Govt. License No. Class I-5543)

Belview Apartments, Valencia, Mangalore - 575 001 .

ESTIMATE

Ref :Est/CHSA/Benjanapadav/SG/2026-27(014)

Date:15/05/2026

To:

The Secretary
Canara High School Association
Kodialbail
Mangalore

Site: At Canara Engineering College Campus Benjanapadav

4th Floor

Sub : Estimate for Electrical works towards Roof Sheet point wiring, power point & circuit wire laying works at Academic Extension Block.

Work Note No:

Sl No.	DESCRIPTION	UNIT	QTY	RATE	Amount
1	INTERNAL LIGHT POINT & POWER WIRING				
	Point wiring through 20/25mm dia, 2mm thick PVC conduit pipe with <u>3 nos. of 1.5 sq.mm.</u> 1100V grade FR copper wires with Modular Switches complete with all the accessories as specified. The conduit shall be run concealed in slab/wall/partition or open run on the wall/trays/or cieling with spacers and saddles. The GI switch box shall be flush mounted in the wall / partition works or as directed by Consultant/Architect and shall be done in coordination with civil works. The wires shall be terminated in seperate connector before fixture.				
a	One light point controlled by 1 no. 6A SP switch. (Average 4Mtr)	Nos.	10 ✓	805	8050.00 ✓
b	One light point controlled by 1 no. 6A SP switch. (Average 6Mtr)	Nos.	12 ✓	1108	13296.00 ✓
c	One light point controlled by 1 no. 6A SP switch. (Average 10Mtr, Above 10 mtr to be considered in Ckt. Wiring)	Nos.	19 ✓	1714	32566.00 ✓



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d	One Ceiling Fan point controlled by 1 no. 6A SP switch. (Average 10Mtr, Above 10 mtr to be considered in Ckt. Wiring)	Nos.	36	1714	61704.00
e	Secondary light point (from 1st light to 2nd light/2nd to 3rd) (Average 5Mtr, Above 5 mtr to be considered in Ckt. Wiring)	Nos.	91	843	76713.00
f	Ceiling fan point controlled by 1 no. 6A SP switch. step type electronic fan regulator. (Average 4Mtr)	Nos.	1	1617	1617.00
g	Ceiling fan point controlled by 1 no. 6A SP switch. step type electronic fan regulator. (Average 6Mtr)	Nos.	3	1920	5760.00
h	Ceiling fan point controlled by 1 no. 6A SP switch. step type electronic fan regulator. (Average 10Mtr, Above 10mtr to be considered in ckt. wiring)	Nos.	14	2526	35364.00
i	1 no. 6A 5 pin dependent wall socket point controlled by 1 no. 6A SP switch.	Nos.	7	557	3899.00
2	CIRCUIT WIRING FOR LIGHTS/ FANS/POWER SOCKETS ETC.				
	Supply, drawing, testing & commissioning of concealed / open wiring from DB to switch board / switch board to switch board using 1100V grade PVC insulated copper FR wire in 20/25 mm PVC conduit with all the required accessories. (Two circuit of the same phase can be taken in 25mm dia conduit).				
a	3 x 1.5 sq.mm. copper wire in 20mm dia conduit.	Mtrs.	650	186	120900.00
b	2 x 2.5 sq.mm. + 1 x 1.5 sq.mm. copper wire in 20mm dia conduit.	Mtrs.	850	224	190400.00
c	2 x 4.0 sq.mm. + 1 x 2.5 sq.mm. copper wire in 25mm dia conduit.	Mtrs.	1120	304	340480.00
d	4 x 4.0 sq.mm. + 1 x 2.5 sq.mm. copper wire in 25mm dia conduit.	Mtrs.	30	469	14070.00
e	4 x 6 sq.mm. + 1 x 4.0 sq.mm. copper wire in 32mm dia conduit.	Mtrs.	55	676	37180.00
f	4 x 10 sq.mm. + 1 x 6.0 sq.mm. copper wire in 32mm dia conduit.	Mtrs.	190	1138	216220.00
g	4 x 16.0 sq.mm. + 1 x 10.0 sq.mm. copper wire in 32mm dia conduit.	Mtrs.	30	1703	51090.00



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3	POWER SOCKET/UPS SOCKET OUTLET/TELP, DATA, TV OUTLET.				
	Supply, installation, testing and commissioning of approved make Modular Type 6A/16A shuttered socket outlets controlled by 6A/16A/20A switches with front plate on the concealed metal box. The rate shall include the cost of metal box, switch plate, switch socket etc and all the materials required.				
a	2 no. 6A shuttered socket outlet controlled by 2 no. 6A switch for computers.	Nos.	236	1486	350696.00
b	1 no. 16A shuttered socket outlet controlled by 1 no. 16A switch.	Nos.	8	1075	8600.00
c	2 no. 16A shuttered socket outlet controlled by 2 no. 16A switch.	Nos.	6	2021	12126.00
d	1 no. 6A shuttered socket outlet.	Nos.	2	644	1288.00
e	1 no. 16A shuttered socket outlet.	Nos.	7	725	5075.00
f	1 no. 16A switch with indicator.	Nos.	8	662	5296.00
g	RJ 11 telephone socket (Jack type).	Nos.	6	575	3450.00
h	RJ 45 UTP information outlets.	Nos.	236	867	204612.00
4	Supply, laying, testing and commissioning of approved make 1100V grade XLPE insulated Aluminum condutor, armoured PVC UG cable. The rate quoted shall be for laying the cable in trenches (indoor / out door).				
a	3.5C X 70 sq.mm Al, XLPECable <i>AC cable</i>	Mtrs.	30	780	23400.00
5	Supplying and providing cable end termination with crimping type Aluminum lugs, single compression brass cable gland, taping, crimping, gland and armour earthing as per the specification.				
a	3.5C X 70 sq.mm Al, XLPECable	Nos.	2	1055	2110.00
6	ETPN DB'S				
a	6 Way	Nos.	3	5550	16650.00
b	8 Way	Nos.	3	6509	19527.00
7	MCB				
i)	Single Pole (SP)				
a	6/10/16/20/25/32 A SP	Nos.	59	323	19057.00
ii)	Four Pole (FP)				



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a	6/10/16/20/25/32 A FP	Nos.	5	2154	10770.00
b	40A FP	Nos.	7	2805	19635.00
c	50/63A FP	Nos.	1	2805	2805.00
8	RCCB's				
i)	Double Pole (DP)				
a	25A Sensitivity 100mA	Nos.	9	2888	25992.00
b	40A Sensitivity 100mA	Nos.	6	3298	19788.00
9	Supply and Installation of 2mm thick GI Perforated type cable. The tray shall be fixed to wall/Ceiling with necessary cross support angles.				
a	Cable Tray = 300mm wide x50mm height .	Mtrs.	240	2098	503520.00
10	Supply and Laying of PVC conduit pipe with GI pull wire.				
i)	Make SN Plast				
a	20mm dia conduit pipe	Mtrs.	80	78	6240.00
b	25mm dia PVC conduit.	Mtrs.	3750	94	352500.00
11	TELEPHONE.				
	Supply and laying of following telephone cable in PVC conduit pipe/ PVC wire ways with all the required materials.				
a	2 pair x 0.5mm Cu. Cable	Mtrs.	160	119	19040.00
12	Supply and fixing 600mm long MS pipe for fan down rod.	Nos.	53	169	8957.00
13	Labour Charge for Fixing Fixtures				
a	Patti Type Tubelight Set (Single Tube)	Nos.	11	85	935.00
b	Ceiling Fan	Nos.	53	165	8745.00
c	Round light	Nos.	42	165	6930.00
d	2x2 Ceiling Light	Nos.	51	165	8415.00
14	Supplying and fixing of				
a	Fan U hooks with 2 no Anchor bolt	Nos	53	246	13038.00
15	Labour charges for LAN wire laying	Mtrs.	5645	26	146770.00
16	Labour charge for Projector cable laying	Mtrs.	65	26	1690.00



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17	Supplying, fixing & testing of 3 Mtr Copper Bonded Rod Earthing -1.Nos, 062173 Copper Bonded Steel Rod 17.2mm Dia, 3000mm Long, 250 Micron (UL Listed) - 1.Nos, 078002 VNT GC + Earth enhancement graphite compound 22.6 Kg Bag (DEHN Approved) - 1.Nos, 035002 Stainless Steel Earth Road Connecting Big Clamp- SS-316 -1.Nos, Electra Fill Earthing Compound-12.5Kg & Rod Earthing Installation complete	Nos	3	17258	51774.00
18	Supplying and fixing of finolex make copper flexible wire				
a	10 sqmm flexible copper wire	Mtrs.	160	220	35200.00
19	Supplying and fixing of RCC Earth chamber cover fixing	Nos	3	3500	10500.00
20	Supplying and fixing of finolex make 4kg pressure PVC pipe (IS4985) using tee, elbow , bend , coupling and cap (suage line)				
a	1" PVC pipe concealed	Rft	140	86	12040.00
21	Supplying & fixing of IP enclosure box 4 pole	Nos	4	2464	9856.00
22	Labour charge for AC panel installation	Ls.	1	5000	5000.00
23	Supplying & fixing of Foam box with screw complete				
a	7"x6"x3" deep open box	Nos	1	418	418.00
b	20"x10"x4" deep open box	Nos	1	1134	1134.00
c	10"x3"x3" deep open box	Nos	1	436	436.00
d	10"x8"x3" deep open box	Nos	1	672	672.00
e	10"x3"x3" deep open box	Nos	1	436	436.00
f	6"x6"x3" deep open box	Nos	2	370	740.00
g	8"x6"x3" deep open box	Nos	1	400	400.00
h	10"x6"x3" deep open box	Nos	1	424	424.00
24	Supplying & fixing of Hylam plate				
a	15"x9" Hylam plate	Nos	1	260	260.00
b	7"x4" Hylam plate	Nos	1	106	106.00
25	Supplying & fixing of Foam concealed block with Hylam plate complete				
a	10x4 Foam concealed block with Hylam plate	Nos	11	718	7898.00
b	16x6 Foam concealed block with Hylam plate	Nos	7	1287	9009.00
c	2x6 Foam concealed block with Hylam plate	Nos	2	932	1864.00



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d	7x4 Foam concealed block with Hylam plate	Nos	1	385	385.00
e	16x4 Foam concealed block with Hylam plate	Nos	9	1413	12717.00
f	10x6 Foam concealed block with Hylam plate	Nos	3	490	1470.00
26	Supplying and fixing of finolex make copper flexible wire				
a	95 sqmm flexible copper wire	Mtrs.	36	1919	69084.00
b	70 sqmm flexible copper wire	Mtrs.	20	1459	29180.00
27	Supplying and fixing of copper lug termination				
a	95 sqmm copper lug termination	Nos	8	250	2000.00
b	70 sqmm copper lug termination	Nos	8	200	1600.00
28	Labour charges for UPS panel installation	Nos	1	1500	1500.00
29	Supplying and fixing of 100x50MM PVC Trunk	Mtrs.	9	595	5355.00
Total					33,08,424.00
Less Discount @ 5%					1,65,421.20
Total					31,43,002.80
Rounded Off					31,43,003.00
(Rupees Thirty One Lakhs Fourty Three Thousand & Three Only)					

Note : GST Charges Extra

Estimated Qty's are verified.
Note: Fire alarm system wiring excluded in this estimate.

For SHREE GANESH ELECT

[Signature]
 Proprietor

Above specified electrical work estimate for the 4th floor of EEC Academic extension Block is as per design. The rates are as per approved rate. This work can be awarded on priority.

[Signature]
 19/06/2026
SATHISH KUMAR SHETTY
 Service Consultant
 Ground Floor, "MOTISHAM APARTMENT"
 OLD KENT ROAD
 MANGALORE-575001

W.O. may be issued
[Signature]
 29/6/26

[Signature]
 12/8/2026