



# Sree Chaitanya Mahavidyalaya

Formerly Sree Chaitanya College of Commerce

P.O. : Habra-Prafullanagar, North 24 Parganas, Pin - 743268

Ref. No. ....

Date : .....

## NOTICE

### (Inviting Tenders for Electrical works in the newly constructed building)

Sealed tenders are invited from eligible contractors, suppliers and service providers for undertaking the under mentioned tasks.

#### The detail of the work to be done is as follows:

Sl. No.	Name of the Work	Estimated cost of work	Time of completion
1.	Electrical works at the newly constructed building	As per the requirement	30 days

#### Terms and Conditions for eligibility:

1. Application for tender must include attested copy of valid GST IN, I.Tax, Trade License, PAN Card and credentials for work done.
2. No quoted price above the cost of work mentioned will be accepted.
3. No extra cost will be borne by the college.
4. The rate should be quoted both in figures as well as in words.
5. No extension of time will be allowed.
6. Payment will be made in favour of the selected bidder in crossed cheque (A/C payee only) on successful completion of works and observation of necessary formalities as the authority deems fit from time to time.
7. The successful bidder has to start of work within 07 days from the date of issue of work order.
8. Acceptance of lowest tender is not obligatory and the undersigned reserves the right to accept or reject any or all the tenders without assigning any reason whatsoever and also to split up the tendered work to more than one contractor in the interest of scheme execution.



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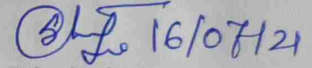
Date : .....

9. Any supplementary work (if necessary) will be allowed on written order from the office of the undersigned in consultation with the concerned Purchase committee and payment for the same will be made at par with the quoted rate.

10. Security amount should be deposited by the L1 bidder @ 10% of the bidding amount.

11. Time-schedule is as follows:

- i) Opening date of submission of tender papers: **20.07.2021**
- ii) Closing date of submission of sealed tender: **03.08.2021**
- iii) Tentative date and time for opening tender: **04.08.2021 at 12 noon.**



Principal

Copy forwarded to:

1. College Website
2. The Convener, Purchase Committee,
3. Head Clerk
4. Ashoknagar Kalyangar Municipality
5. Habra-1 and Habra-2 BDO office

Sree Chaitanya Mahavidyalaya

Principal

Sree Chaitanya Mahavidyalaya  
Habra-Prafullanagar, 24 Pgs. (N)

## Details of Proposed Electrical Works

**Sub: -WBSEDCL Meter Room - Main Bus Bar to New Building Main Electrical Distribution Panel**  
**& Main Earth System Works .Electrical Material Supply & Service Works Estimate**  
**Submit**

### Supply Incomer Receive Place Electrical Schedule Works

**A) New Building Main Switch , Main Incomer Supply Cable Works . ----- L/S**  
=

- a) **Main Bus Bar To Main MCCB ( TPN ) New Building** = PVC Flexible Single Core Copper Cable 25.Sq.mm ( Require Cable Length L/S = 10.Meter ) with Require No's Of Crimping Type Copper Cable Socket ( As Per Cable Size , Cable Socket Bore - 8.mm ) & Other's Require Material Supply Etc .
- b) **125Amp MCCB ( TPN ) , Make - LT = 1No & with S.S .Enclosure for MCCB - 1.No.**
- c) **Service Works-** Above Electrical All Material Fitting Works .Main Bus Bar to Main MCCB ( TPN )  
Copper Flexible Cable Dressing & Connection Compete with Earth Connection Works Etc.

**B) Supply Room Main MCCB ( TPN ) to New Building Main Electrical Distribution PVC Ar, Cable Works Etc** -----  
L/S =

- a) **Main Incomer Cable= PVC. Armad Cable 35.sq.mm X 3.5.core ( Alu )**  
As Per Require Length - L/S - 70 Meter , with Cable Jointing Material - As Per Cable Size Gland, Socket & Other's Material Supply
- b) **Service Works** :- Above All Electrical Material Fitting , Cable Lay Out , Dressing & Setting Both End Cable Glanding & Cable Termination Complete Works .

### New Building - Main Electrical Distribution Panel Works

**C) Main Electrical Distribution Panel Works .Cubical Type Panel Works.** -----  
L/S =

- Panel Size - 100 Amp, 415 Volts, 3 Phase N , 50 Hz, MCB Type Outgoing - 21.Way Incomer Main MCCB ( TPN ) - 125.Amp , Change Over Switch - 125.Amp , 4.Pole Bus Bar - 150.Amp ( 4.Pole , Aluminum ) ,Volts & Amps ( Dig ) Metet , Indicator Out Going Load - MCB ( TPN ) - 3 & MCB ( DP ) = 18.No's , M. S. Cabinet ( As Per Size )**
- a) **Main Incomer Switch** = MCCB ( TPN ) 125.Amp, Make - LT = 1.No
  - b) **Change Over Switch** - 125.Amp , 4 Pole ,Make - LT = 1.No
  - c) **Panel Bus Bar** - 150.Amp , 4 Pole ,Aluminum = 1.No
  - d) **Volta Meter ( Dig )** 96 Sq mm, Make - Selec = 1.No
  - e) **Amp Meter ( Dig )** - 96 Sq mm , Make - Selec = 1.No
  - f) **VSS - 10 Amp** = 1.No / **ASS - 10 Amp** - 1 No
  - g) **CT Coil - Ratio** - 150 / 5 , Class - 1 = 3 No's
  - h) **Indicator ( LED - Type )** - 22 mm, = 3 No's ,
  - i) **MCB ( SP ) - Make - LT** = 6 Amp = 3 No's
  - j) **MCB ( DP ) - Make - LT** , As Per Rated Amp ( 10 Amp to 32 Amp ) = 18.No's
  - k) **MCB ( TPN ) - Make - LT** , As Per Rated Amp ( 10 Amp to 32 Amp ) = 3.No's
  - l) **Aux & Power Cable ( As Per Rated Amp Size )** Complete Connection Works Etc
  - m) **M.S.Cabinet ( As Per Drawing Size )** = 1.No  
**Panel Scope Of Works - Panel fabrication CRCA Sheet, Siemens,Grey Powder Coating Paint,**

- Earth Connection Point , Wall Mounting, Door Knob, Nut Bolts, Danger Plate , Door Earthing Etc.
- n) **Service Works ;** - Above Panel - All Electrical Material Fitting , Aux Control and Power Cable ( As Per Rates Amp Size ) Connection Complete Works , All Electrical System Testing & Load ON With Transportation Charge ( Panel Delivery )

**D) Main Earth Pit, Earth Bus & Earth Connection Complete Works Etc . ----- L/S**

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( Earth Pit to Main Electrical Panel Works Etc - As Per Require Works )

- a) Earth Electro ( Chemical Type ) - Length - 2.Meter - 2 No's
- b) Earth Pit Chemical Compound - L/S = 25.Kg = 3.Bag's
- c) Earth Pit - M.S. Cover = 2.No's
- d) Earth Bus Bar - G I Flat ( Size - 40.mm X 6.mm X 600.mm ) = 1.No
- e) Earth Electro Pit No - 1 to Pit No - 2, Earth Electro to Earth Bus Bar & Earth Bus Bar to Main Panel  
Earth Connection GI Flat - 25.mm X 4.mm - As Per Require Length = L/S
- f) Earth - Other's Require Necessary Works Etc .
- g) **Service Works ;**- Earth Pit , Earth Require As Per System Connection Complete Works Etc

**New Building - Main Electrical Distribution Panel to College Room - Electrical System Works .**

Electrical Distribution System Wiring Works , Electrical Material - Wiring Cable, Switch ,Light, Fan & Other's Require Necessary Electrical , Fitting Material Etc . = Electrical Material Supply & Service Works .Estimate Submit

**College Room & Other;s Area - Electrical Schedule Works**

**Main Electrical Distribution Panel to Near College Room Main Supply Line ( 230 Volts ) Works .** College Room Main MCB to College Room & Other's Area - Electrical Works( Up to Room Main MCB ) - Wiring Cable ( Require Size - Length ) , Wiring & Other Material As Per List & Require Electrical Work - All Electrical Material Supply & Service Complete Works .

**SCOPE OF ELECTRICAL WORK .L/S- Material List Supply & Service Works,**

- 1) Room & Other's Place Main MCB ( SP ) - 6.Amp to 32.Amp , Make - LT = 15.No's.with MCB Box
- 2) MCB Type ( DP - Isolator ) - 40.Amp = 3.No's with MCB Box - 1.No ( For Power Board )
- 3) MCB Type ( DP - Rated Amp - AC - 1.5 Ton ) = 3.No's , with MCB Box ( 6.way - M.S. Type ) = 1.No

**Main Electrical Panel to Room Main Incomer Wiring Cable Size & As Per Require Length**

- 4) Room & Other's Place Main Wiring Works - PVC Flexible Copper Cable ( Single Core ) 2.5.Sq.mm
- 5) Main MCB ( SP ) to Switch Board Wiring Works - PVC Flexible Copper Cable ( Single Core ) 1.5.Sq.mm
- 6) Switch Board to Point Wiring Works - PVC Flexible Copper Cable ( Single Core ) 1.0.Sq.mm
- 7) Switch Board In side Switch Cable Connection Works - PVC Flexible Copper Cable ( Single Core ) 0.75 Sq.mm
- 8) Lab Room - AC Unit ,Main Wiring Works - PVC Flexible Copper Cable ( Single Core ) 4.0.Sq.mm  
( Wiring Works - All PVC Casing Bass Work & Require Cable Length )

- 9) Celling Fan ( Size - 1200.mm , 230.volts ) = 41.No's
- 10) LED Tube Light ( 1200.mm ) = 94.No's / P.L. Lamp = 5.No's
- 11) Halogen Light ( LED - Type - 50.Watts ) = 4.No's
- 12) Require No's - Switch Board - L/S = 24 No's ( 8 Way to Single Way )
- 13) Require No's - Modular Switch Board - L/S = 18 No's ( 12 Way to 2 Way )
- 14) Require No's - Modular Off & On Switch ( 6.Amp ) L/S - 44 No's / Modular Plug ( 6Amp )  
L/S - 4.No's
- 15) Require No's - Modular Off & On Switch ( 16.Amp ) L/S - 6 No's
- 16) Require No's - Off & On Switch ( 6.Amp ) L/S - 115 No's / Plug ( 6Amp ) L/S - 6.No's
- 17) Require No's Fuse ( 6.Amp ) L/S - 15.No's
- 18) 5 in I - Power Switch Board ( 16.Amp ) L/S - 9 No's
- 19) AC, Starter Unit ( 1.5 Ton AC Unit ) - Operation Unit = 6.No's
- 20) AC, Power Plug 16.Amp - ( 1.5 Ton AC Unit ) = 6.No's
- 21) Require No's , Necessary Electrical Wiring & Other's Fitting Material Etc. - L/S  
( PVC Casing, Celling Rose , PVC Bati ( 75.mm X 75.mm ) , & Other's Material Etc . )
- 22) Service Works :- Main Electrical Panel Out Going Terminal to College Room & Other's  
Point - All Electrical Wiring Complete Works . ( PVC  
Casing Bass Wiring Works ) . All Electrical Material Fitting & Cable  
Connection Complete Works Etc . with Require Earth Connection Works.  
All Electrical System Wiring , Switch & Other's Testing & Load ON.

- All Electrical Material Estimate Amount ----- L/S =
- All Electrical Service Works Estimate Amount ----- L/S =

**All Room & Other's Place = Electrical Schedule Works Etc.**

1. Main Electrical Distribution Panel to Main MCB ( SP ) = Main Incomer Supply  
Wiring - PVC Flexible Copper Single Core  
Cable Size - 2.5.sq mm / Main MCB ( SP ) to Switch Board = PVC  
Flexible Copper Single Core Cable Size - 1.5.sq mm / Switch Board to Electrical  
Point = PVC Flexible Copper Single Core Cable Size - 1.0 sq mm , Switch  
Board Internal Connection Cable Size 0.75 sq mm , Cable Connection Complete  
Works. ( As Per Require Length , Wiring PVC Cassin Bass Works ) .
2. **Electrical Material** = Require Switch Board Fitting , Require No's of Switch,  
Plug , Fuse, Holder Power Board & Other's Etc -All Electrical Material  
Fitting & Cable Connection Complete Works.  
Require No's of Tube Light ( LED ) , Ceiling Fan , P.L .Lamp, LED Halogen , & Other's  
s Etc , All Electrical Material Fitting & Cable  
Connection Complete Work. **All**

**Electrical System Schedule Testing Works & Load ON.**

**Name of College Room & Other's Place ( L/S - Room Size )** Class Room ( L/S - 30' X  
20' ) - 4.No's , Common ( L/S - 20' X 16 ) - 1.No / Lab Room ( L/S - 22..5' X 30' ) - 2.No's , Store Room  
( L/S - 10' X 13' ) - 1.No / Toilet ( L/S - 10' X 20.5' ) - 2.No's /  
Sick Room ( L/S - 10' X 11' ) - 1.No , Main Electrical Place ( L/S - 10' X 20' ) - 1.No College Corridor  
- A & C ( L/S - 60' X 8' ) - 2.No's & College Corridor - B ( L/S - 112' X 8' ) - 1.No