



सी एस आई आर - केन्द्रीय यांत्रिक अभियांत्रिकी अनुसंधान संस्थान CSIR - CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE

(सीएसआईआर का एक संघटक संस्थापन, भारत सरकार)
महात्मा गाँधी एवेन्यू
दुर्गापुर - 713209, भारत

(A Constituent Establishment of CSIR, Govt. of India)

Mahatma Gandhi Avenue
Durgapur - 713209, India



CSIR-CMERI

TENDER DOCUMENT

No. PUR/24,42&48/ESD/04/2017-16

Date: 30.08.2017

Sub	Electrical Maintenance Items
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Deadline for Submission of Bids	21 ST September 2017 upto 2.30 pm IST
Date and Time for opening of Bids	21 ST September 2017 at 3.00 pm IST
Venue for opening of Bids	Stores & Purchase Division, CSIR-CMERI, Durgapur
Bidder requiring any clarification of this Tender Document shall contact CSIR-CMERI in writing at the address given above. CSIR-CMERI will respond in writing to any request for clarification, provided that such request is received not later than ten (10) days prior to the deadline for submission of bids.	

Dear Sirs,

Director, CSIR-CMERI, Durgapur-713209, invites Sealed Bids for **Electrical Maintenance Items** described in detail as below.

Kindly, send your Sealed Bid / Quotation conforming to our terms and conditions mentioned hereunder, so as to reach this office immediately and in any case within **21ST September 2017** upto 2.30 pm IST. The Bids / Quotations will be opened on the same day at 3.00 pm IST.

Sl. No.	Detailed Description and Specifications of the Goods & Services	Quantity
1.	Electrical Maintenance Items as per following enclosed Annexures i. Annexure-I for Group A ii. Annexure-II for Group B iii. Annexure-III for Group C	3 Lots viz. Group A, Group B & Group C
N.B.: The L-1 bidder shall be determined on Group-Wise landed cost basis.		

Important:

The Bidder is expected to examine all instructions, forms, terms, and specifications set forth in this Tender Document. Failure to furnish all information required in the Tender Document or submission of a bid not substantially responsive to the Tender Document, in every respect, will be at the Bidder's risk and may result in rejection of its bid.

TERMS AND CONDITIONS

In these Terms and Conditions, the following words and expressions shall have the meaning as have been respectively assigned to them:

Bidder shall mean the entity submitting an offer in response to this Tender Document.

CSIR-CMERI / Purchaser / Institute shall mean CSIR-Central Mechanical Engineering Research Institute, [a constituent unit of the Council of Scientific & Industrial Research] having its office at MG Avenue, Durgapur – 713 209 [West Bengal], India.

Vendor/Supplier shall mean the entity whose bid has been accepted by the Purchaser and a formal Purchase Order has been placed on them.

1. SUBMISSION OF BIDS

- 1.1. The bid / quotation duly signed by the Bidder or any authorized person / persons, is required to be submitted in a sealed envelope and delivered at this Institute on any working day within the deadline stipulated. Bidders shall not be permitted to withdraw / modify / alter their bids after expiry of the deadline.
- 1.2. The sealed envelope is to be properly superscribed with the Tender Document Number and addressed to the Stores & Purchase Officer, CSIR-Central Mechanical Engineering Research Institute, MG Avenue, Durgapur 713 209 [WB]. The Bids shall be opened in presence of Bidder's representatives who choose to be present on the date and time indicated in this Tender Document. The representatives should bring with them proper authorization letters issued by the Bidders with regard to their presence at the time of opening of Bids. In case the last date for receipt of bids / date for opening of bids, happens to be a closed day on account of any unforeseen event, the same shall be received / opened on the next working day at the appointed time. Late / Delayed bids / quotations shall not be opened and shall be returned to the Bidders without opening the envelope.
- 1.3. The acceptance of the quotation will rest with Director, CSIR-CMERI, who does not bind himself to accept the lowest quotation and reserves the right to himself to reject or accept, partially or all the quotations received, without assigning any reason.
- 1.4. The quotation should be complete in all respects and duly signed. Conditional bids, incomplete and unsigned bids will not be considered at all. Bids received in open condition, by e-mail / fax will be accepted at the risk of the Bidder, provided it is caused to reach us within the deadline for submission of Bids. In case, the bid is sent by e-mail, the Bidder shall ensure that the Tender Document Number is invariably mentioned in the e-mail SUBJECT, failing which, CSIR-CMERI will not be responsible for overlooking the Quotation/Bid.

2. PRICES

2.1. For Goods manufactured and Supplied from within India:

Prices shall be offered with the following break-up:

Basic Price /Ex Works	
Packing & Forwarding	
GST at applicable rates	
Freight , Insurance and any other charges incidental to delivery of Goods at CSIR-CMERI, Durgapur	
Charges for Installation, Commissioning and Training if applicable	
Charges for Warranty Support if any	



- 2.2. The price quoted shall remain fixed during the contract period and shall not vary on any account.
- 2.3. A Price Schedule Form is attached with this Tender Document. All lots and items must be listed and priced separately in the Price Schedules. If a Price Schedule shows items listed but not priced, their prices shall be assumed to be included in the prices of other items. Lots or items not listed in the Price Schedule shall be assumed to be not included in the bid.
- 2.4. Customs Duty for Goods imported for Scientific Purpose, is paid by this Institute at a concessional rate vide Govt. of India Notification no. 51/96-Customs dated 22/07/1996.
- 2.5. CSIR-CMERI is not empowered to issue any Commercial Tax Concessional Certificates, thus Bidders shall ensure that the normal rate of GST is quoted wherever applicable.
- 2.6. CSIR-CMERI shall not issue any exemption certificates (CDEC) for materials/commodities that go into production of the quoted item/equipment.

3. PAYMENT

3.1. For Supplies made from within India :

- 3.1.1. Payment shall be made within 30 days after delivery and inspection of all goods/completion of installation and commissioning of the goods to the complete satisfaction of the User Division of CSIR-CMERI and completion of other contractual obligations.
- 3.2. Advance Payment: In case Bidder seeks advance payment, a Bank Guarantee [BG] of an equivalent value shall have to be furnished in the prescribed format. The BG shall have to be issued by any Nationalized / Scheduled bank of India and shall remain valid till delivery / commissioning of the equipment.

4. DELIVERY

- 4.1. Delivery of the Goods and performance of the Services shall be made by the Supplier in accordance with the time schedule specified by CSIR-CMERI in the Purchase Order. If, at any time during performance of the Contract / Purchase Order, the Supplier encounters conditions impeding timely delivery of the Goods and performance of Services, the Supplier shall promptly notify CSIR-CMERI in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, CSIR-CMERI shall evaluate the situation and may, at its discretion, extend the Supplier's time for performance with or without penalty, in which case the extension shall be ratified by the parties by amendment of the Purchase Order / Contract.
- 4.2. A delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of penalty pursuant to Penalty Clause as detailed below, unless an extension of time is agreed upon without the application of penalty clause.

5. LIQUIDATED DAMAGES

- 5.1. If the Supplier fails to deliver the ordered material (s) within the delivery schedule as agreed upon, a sum equivalent to 1 (one) per cent of the delivered price of the delayed goods or unperformed services or Purchase Order value for each week of delay or part thereof until actual delivery or performance, will be deducted from the order value as liquidated damages, subject to a maximum deduction of 10 (ten) per cent of the order value. And, on attainment of maximum, termination of the contract may be considered by CSIR-CMERI.

6. RISK PURCHASE

- 6.1. If the supplier fails to deliver the ordered material(s) within the maximum delivery period specified in the purchase order, CSIR-CMERI may procure such item(s) and in such a manner as deemed appropriate, goods or services similar to those undelivered and the supplier will be liable to the institute for any excess costs for such similar goods or services.



7. WARRANTY

- 7.1. Comprehensive warranty of the OEM must be provided to be effective from the date of final acceptance of the items by the User Division of CSIR-CMERI .

8. VALIDITY OF BIDS

- 8.1. The offer should be valid for at least 90 days from the date of opening of Bids/Quotation.

9. LIST OF PURCHASERS

- 9.1. Please indicate names and addresses of organisations to whom you have supplied identical or similar type of equipment during the last 3 years along with the details of such supplies and prices eventually or finally paid.

10. EVALUATION OF BIDS

- 10.1. All the bids / tenders/ quotations received will first be scrutinized to see whether the bids / tenders meet the basic requirements as incorporated in the Tender Document. The bids/tenders, which do not meet the basic requirements, are to be treated as unresponsive and ignored. The following are some of the important points, for which a tender may be declared as unresponsive and to be ignored, during the initial scrutiny:

- a) The Bid is unsigned.
- b) The Bidder is not eligible.
- c) The Bid validity is shorter than the required period.
- d) The goods quoted are sub-standard, not meeting the required specification etc.
- e) Against the requirement (incorporated in the Tender Document), the bidder / tenderer has not quoted for the entire requirement as specified in the individual groups.
- f) The Bidder / Tenderer has not agreed to some essential condition(s) incorporated in the Tender Document.
- g) The Bidder has not offered prices in the manner indicated at Clause 2 of this Tender Document.

- 10.2. Prior to the detailed evaluation, CSIR-CMERI will determine the substantial responsiveness of each bid to the Tender Document. For purposes of this clause, a substantive responsive bid is one, which conforms to all terms and condition of the bidding documents without any deviations, reservations or omissions.

- 10.3. During the course of evaluation, CSIR-CMERI may, at its discretion ask the bidder for clarification of its bid. The request for clarification and the response shall be in writing and no change in prices or substance of the bid shall be sought, offered or permitted.

- 10.4. The bids which are found to be substantially responsive to the terms of this Tender Document shall be evaluated on the basis of final landing cost which shall be arrived as under:

For goods manufactured in India.

- (i) The Price of the goods quoted ex-works including, all taxes already paid.



- (ii) GST at applicable rates will be payable on the goods if the contract is awarded.
- (iii) Charges for inland transportation, insurance and other local services required for delivering the goods at the desired destination.
- (iv) The installation, commissioning, training charges including incidental services and warranty charges, if any.

10.5. **The Purchase Order / Contract shall be awarded to the lowest evaluated responsive (L-1) bidder on Group-Wise basis.**

10.6. In case optional items are specified in the tendered specifications, the Purchaser reserves the right to buy or not to buy the optional items, In case the option is exercised to buy the optional items after Bid opening, then the cost of optional items would be included to ascertain the Lowest Evaluated Responsive Bid. In case, the option is exercised not to buy the optional items, then the cost of the optional items would not be included in ascertaining the Lowest Evaluated Responsive Bid.

11. The quotations are liable to be rejected if any of the above conditions are not complied with. Conditional Bids / Incomplete Bids / Unsolicited Bids / Unsigned Bids shall not be accepted.

12. SETTLEMENT OF DISPUTES AND ARBITRATION

12.1. The Purchaser and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Purchase Order / Contract. If, after twenty-one (21) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the Purchaser or the Supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given. Any dispute or difference in respect of which a notice of intention to commence arbitration has been given in accordance with this Clause shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the Goods under the Contract. .

12.2. Disputes or differences shall be settled in accordance with the Indian Arbitration & Conciliation Act, 1996, the rules there under and any statutory modifications or re-enactments thereof shall apply to the arbitration proceedings. The dispute shall be referred to the Director General, Council of Scientific & Industrial Research and if he is unable or unwilling to act, to the sole arbitration of some other person appointed by him willing to act as such Arbitrator. The award of the arbitrator so appointed shall be final, conclusive and binding on all parties to this order.

12.3. In the case of a dispute between the purchaser and a Foreign Supplier, the dispute shall be settled by arbitration in accordance with provision of Clause 12.2. above. But if this is not acceptable to the Supplier then the dispute shall be settled in accordance with provisions of UNCITRAL (United Nations Commission.

12.4. The venue of the arbitration shall be the place from where the purchase order or contract is issued.

12.5. Notwithstanding any reference to arbitration herein,

- (a) the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree; and
- (b) the Purchaser shall pay the Supplier any monies due the Supplier.

13. APPLICABLE LAW

13.1. The Contract shall be interpreted in accordance with the laws of the Union of India and all disputes shall be subject to a court of competent jurisdiction in Durgapur, West Bengal, India.



14. Wherever deemed necessary, Bidder shall be at liberty to question the Bidding Document, Bidding process and rejection of its Bid.

Yours faithfully,

Bodhisattwa Dhar
Stores & Purchase Officer

Encl :

- i. Price Schedule Form
- ii. Annexure – I, II & III

31/8/17

PRICE SCHEDULE FORM

Name of the Bidder _____ Tender No. _____

1	2	3	4	5	6	7	8	9	10	11
Sl. No.	Item Description	Country of origin	Unit	Quantity	Ex-Works. Ex-warehouse, Ex-show room off the shelf price (inclusive of all taxes already paid)	Total price Ex-Works. Ex - ware house, Ex-show room off the shelf price (inclusive of all taxes already paid) 5x6	VAT & other taxes like excise duty payable, if contract is awarded	Packing & for warding up to station of dispatch, if any	Charges for inland transportation, insurance up to Lab./Instt.	Installation, Commissioning And training Charges, If any

Total Bid price in Indian currency (in words) _____
Total Bid price in Indian currency (in figures) _____

(a) Discount offered against buy-back of existing items _____.

Signature of Bidder/Name/Business Address

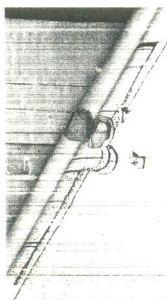
ANNEXURE - I For Group A

S.No.	Description	Qty.	Unit
1	230V, 50Hz, 6 amps 1 way switch Ivory (Anchor/philips or equivalent)	40	Nos
2	230V, 50Hz, 20 amps 1 way switch Ivory (Anchor/philips or equivalent)	12	Nos
3	230V, 50Hz, 6 amps 2-in-1 socket outlet Ivory (Anchor/philips or equivalent)	30	Nos
4	230V, 50Hz, 20 & 10 Amp Uni socket outlet Ivory (Anchor/philips or equivalent)	12	Nos
5	20 & 10 Amp, 5-in-1, 4 fixing holes combined unit Ivory (switch, socket, fuse & indicator) (Anchor/philips or equivalent)	10	Nos
6	230V, 50Hz, 6 Amp, 3-pin plug top Ivory (Anchor/philips or equivalent)	12	Nos
7	230V, 50Hz, 16 Amp, 3-pin plug top Ivory (Anchor/philips or equivalent)	12	Nos
8	230V, 50Hz, 100W rotary stepped type 2 module electronic fan regulator Ivory (Anchor/philips or equivalent)	6	Nos
9	230V, 50Hz, 16A & 6A Uni Switch & Socket combined with neon (Anchor/philips or equivalent)	40	Nos
10	230V, 50Hz, Surface unbreakable single module (87X87x40) box (Anchor/philips or equivalent)	40	Nos
11	230V, 50Hz, Surface mounting box for switches (Anchor/philips or equivalent)		
a)	1 Gang box	6	Nos
b)	2 Gang box	6	Nos
c)	3 Gang box	6	Nos
12	230V, 50Hz, Domestic Surface mounting box (Anchor/philips or equivalent)		
a)	2 Gang box	6	Nos
b)	4 Gang box (Double domestic)	12	Nos
13	230V, 50Hz, 6A pilot 2 plate Ceiling Rose (Anchor/philips or equivalent)	20	Nos
14	230V, 1.8 cm x 8m x 0.125mm Self adhesive PVC Electrical Insulation tape following colour (Steelgrip or equivalent)		
a)	Red	12	Nos
b)	Yellow	12	Nos
c)	Blue	12	Nos
d)	Black	24	Nos
e)	Green	6	Nos



15	1.5 Sq.mm single core unsheathed industrial cables with flame retardant properties & multi stand bare copper conductor for voltage grade upto 1100V as per IS:694/1990. (Finolex/Polycab or equivalent)		
a)	Red/Yellow/Blue	90	Mtrs
b)	Black	90	Mtrs
c)	Green	90	Mtrs
16	2.5 Sq.mm single core unsheathed industrial cables with flame retardant properties & multi stand bare copper conductor for voltage grade upto 1100V as per IS:694/1990. (Finolex/Polycab or equivalent)		
a)	Red, Yellow & Blue	270	Mtrs
b)	Black	180	Mtrs
c)	Green	180	Mtrs
17	6 Sq.mm single core unsheathed industrial cables with flame retardant properties & multi stand bare copper conductor for voltage grade upto 1100V as per IS:694/1990. (Finolex/Polycab or equivalent)		
a)	Red/Yellow/Blue	90	Mtrs
b)	Black	90	Mtrs
c)	Green	90	Mtrs
18	2.5 Sq.mm PVC insulated & PVC round sheathed THREE core bright annealed bare copper conductor flexible cable for voltage grade upto 1100V as per IS:694/1990. (Finolex/Polycab or equivalent)	50	Mtrs
19	240/415 volts, "C" curve following rating MCB (Legrand/Haggar or equivalent)		
a)	10A Single pole	6	Nos
b)	32A Double pole	12	Nos
c)	63A Four pole	3	Nos
20	240/415 volts, single door sheet steel MCB enclosure (Legrand/Haggar or equivalent)		
a)	Double pole	6	Nos
b)	Four pole	3	Nos
21	Casing and Caping (Pressfit/Presto or equivalent)		
a)	20 x 12 mm x 2 Mtr length	50	Nos
b)	25 x 12 mm x 2 Mtr length	50	Nos
22	Wooden Screws (ND or equivalent)		
a)	12 mm x 5 mm	3	Pkt
b)	20 mm x 5 mm	6	Pkt
c)	25 mm x 6 mm	12	Pkt
d)	35 mm x 8 mm	12	Pkt
e)	45 mm x 8 mm	2	Pkt
23	Wooden Gutka	30	Pkt
24	415 V, AC, 50 Hz, following rating bolted central tag HRC Fuse link. (GE/L&T or equivalent)		
a)	63 A	6	Nos
b)	100 A	6	Nos

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d)	250 A	6	Nos
e)	630 A	3	Nos.
25	415 V, 50 Hz, following rating HRC bakelite fusegrip and base unit for bolted type central tag fuse link. (GE/L&T or equivalent)		
a)	63 A	6	Nos
b)	100 A	6	Nos
c)	200 A	3	Nos
d)	250 A	6	Nos
e)	315 A	6	Nos
26	63 amp four pole connection terminal plat with RYB & Blk colour cap.	12	Nos
27	415 V, AC, 50 Hz, aluminium lugs flat terminal for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade. (Dowell's equivalent)		
a)	16 Sq. mm	6	Nos
b)	25 Sq. mm	6	Nos
c)	50 Sq. mm	6	Nos
d)	95 Sq. mm	6	Nos
e)	150 Sq. mm	6	Nos
f)	185 Sq. mm	6	Nos
g)	240 Sq. mm	6	Nos
h)	300 Sq. mm	3	Nos
28	415 V, AC, 50 Hz, aluminium reducer terminal for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade. (Dowell's equivalent)		
a)	16 Sq. mm	6	Nos
b)	25 Sq. mm	6	Nos
c)	50 Sq. mm	6	Nos
d)	185 Sq. mm	6	Nos
e)	240 Sq. mm	6	Nos
29	415 V, AC, 50 Hz, aluminium in line connector for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade. (Dowell's equivalent)		
a)	6 Sq. mm	3	Nos
b)	10 Sq. mm	3	Nos
c)	16 Sq. mm	3	Nos
d)	25 Sq. mm	3	Nos
e)	50 Sq. mm	3	Nos
30	Corrosion inhibiting compound (Dowell's equivalent)	2	Tube
31 a)	2.5 MFD, cylinder type Capacitor (Universal/philips or equivalent)	25	Nos
b)	2.75 MFD, rectangular type Capacitor for wall mounted fan. (Universal/philips or equivalent)	30	Nos
32	25 Amp, 11 KV HBC fuse link (GE or equivalent)	10	Nos

ANNEXURE-II For Group B

S.No.	Description	Qty.	Unit	Rate	Amount
1	230 volts 50 Hz PL-S 2P Lamp of following watts. (Philips/GE/Cromptons or equivalent)				
a)	9 Watt	30	Nos		
b)	11 Watt	30	Nos		
2	230 volts 50 Hz PL-C 2P Lamp of following watts. (Philips/GE/Cromptons or equivalent)				
	18 Watt	50	Nos		
3	230 volts 50 Hz PL-L 4P Lamp of following watts. (Philips/GE/Cromptons or equivalent)				
	36 Watt	26	Nos		
4	230 V, 50 Hz, Fluorescent lamp of following watts. (Philips/GE/Cromptons or equivalent)				
a)	40 Watt	700	Nos		
5	230 V, 50 Hz, T5 Fluorescent lamp of following watts. (Philips/GE/Cromptons or equivalent)				
a)	14 Watt	50	Nos		
b)	28 Watt	100	Nos		
6	230 volts 50 Hz double ended Helogen lamp of following watts. (Philips/GE/Cromptons or equivalent)				
a)	500 Watt	3	Nos		
b)	1000 Watt	3	Nos		
7	230 volts 50 Hz Metal Halide Double Ended lamp of following watts. (Philips/GE/Cromptons or equivalent)				
a)	70 Watt	3	Nos		
b)	150 Watt	10	Nos		
8	230 volts 50 Hz Metal Halide Single Ended (Screw type) Lamp of following watts. (Philips/GE/Cromptons or equivalent)				
	250 Watt	15	Nos		
9	230 volts 50 Hz HPSV (SON-T) Lamp Screw type of following watts. (Philips/GE/Cromptons or equivalent)				
a)	150 Watt	6	Nos		
10	230 volts 50 Hz HPSV (SON-E) Lamp Screw type of following watts. (Philips/GE/Cromptons or equivalent)				
a)	150 Watt	6	Nos		
11	230 volts 50 Hz HP CFL lamp of following watts. (Philips/GE/Cromptons or equivalent)				
	18 Watt	12	Nos		

12	230 volts 50 Hz Ballast for PL 2P Lamp of following watts. (Philips/Cromptons or equivalent)				
a)	9 Watt	6	Nos		
b)	11 Watt	6	Nos		
c)	18 Watt	12	Nos		
13	230 volts 50 Hz Ballast for 40W Fluorescent Tube (Philips/GE/Cromptons or equivalent)	150	Nos		
14	230 volts 50 Hz Electronic Ballast for 1X36W PLL 4P Lamp (Philips/GE/Cromptons or equivalent)	50	Nos		
15	230 volts 50 Hz Electronic Ballast for 2X36W PLL 4P Lamp (Philips/GE/Cromptons or equivalent)	15	Nos		
16	230 volts 50 Hz Electronic Ballast for 1X28W T5 Tube (Philips/GE/Cromptons or equivalent)	15	Nos		
17	230 volts 50 Hz Electronic Ballast for 2X28W T5 Tube (Philips/GE/Cromptons or equivalent)	20	Nos		
18	230 volts 50 Hz Electronic Ballast for 4X14W T5 Tube (Philips/GE/Cromptons or equivalent)	15	Nos		
19	230 volts 50 Hz Electronic Ballast for 1X40W TL Lamp (Philips/GE/Cromptons or equivalent)	15	Nos		
20	230 volts 50 Hz Electronic Ballast for 2X40W TL Lamp (Philips/GE/Cromptons or equivalent)	40	Nos		
21	230 volts 50 Hz Ballast for SV/MH lamp of following watts (Philips/GE/Cromptons or equivalent)				
a)	150 Watt	10	Nos		
b)	250 Watt	15	Nos		
22	Starter for 230V, 50 Hz 40 watts FTL lamps (Philips/GE/Cromptons or equivalent)	300	Nos		
23	Batten suitable for 1xTL-36W light fitting with Lamp & accessories (Philips/GE/Cromptons or equivalent)	6	Nos		

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Annexure -III For Group C

Sr. No.	Description of item	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
1	1.5 sq mm single core copper conductor multi strand FR PVC insulated flexible wire , Make: Havell's/Standard/Finolex	Meter	1530		
2	2.5 sq mm single core copper conductor multi strand, FR PVC insulated flexible wire , Make: Havell's/Standard/Finolex	Meter	1530		
3	4 sq mm single core copper conductor multi strand FR PVC insulated flexible wire , Make: Havell's/Standard/Finolex	Meter	450		
4	Double Pole MCB ,C – curve,10kA, 230 V , 32 Amps, Make: Legrand/L & T or equivalent	Each	12		
5	Double Pole MCB ,C – curve,10kA, 230 V , 40 Amps, Make: Legrand/L & T or equivalent	Each	3		
6	Single Pole MCB ,C – curve,10kA, 230 V , 10 Amps, Make: Legrand/ L & T or equivalent	Each	30		
7	Single Pole MCB ,C – curve,10kA, 230 V , 20 Amps, Make: Legrand/L & T or equivalent	Each	20		
8	Single Pole MCB ,C – curve,10kA, 230 V , 32 Amps, Make: Legrand/ L & T or equivalent	Each	20		
9	Phenolic laminated sheet of size 11 inch x 9 inch suitable for switch board cover	Each	30		
10	Phenolic laminated sheet of size 15 inch x 11 inch suitable for switch board cover	Each	2		



Sr. No.	Description of item	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
11	Phenolic laminated sheet of size 7 inch x 5 inch suitable for switch board cover	Each	20		
12	Switch board of size 6 inch x 4 inch with Phenolic laminated sheet as cover	Each	25		
13	PVC box of size 3 inch x 3 inch for fixing holder or ceiling rose.	Each	100		
14	PVC J.B. of size 6 inch x 4 inch	Each	25		
15	PVC J.B. of size 4 inch x 4 inch	Each	40		
16	6 A, Batten Holder	Each	100		
17	6 A , pilot 3 plate Ceiling Rose	Each	75		
18	Ding Dong type Electric Call bell, Make: Anchor or equivalent	Each	10		
19	6 A Call bell Push switch, Make: Anchor or Equivalent	Each	10		
20	6 Amps , 230V one way Pinano type Switch, Make: Anchor or Equivalent	Each	260		
21	6 Amps , 230V two way Pinano type Switch, Make: Anchor or Equivalent	Each	10		
22	20 Amps , 230V Pinano type 1 way Switch, Make: Anchor or	Each	25		
23	16 Amps , 230V 3 pin Socket, Make: Anchor or Equivalent	Each	25		
24	6 Amps , 230V 2 in 1 Socket, Make: Anchor or Equivalent	Each	75		
25	15 Amps , 230V Switch and Socket Combine with suitable PVC box, Make: Anchor or Equivalent	Each	25		
26	PVC Casing of size 25 mm width and up to 2 m lenght , Make: Presto/ ISI marked	Each	100		

Sr. No.	Description of item	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
27	PVC Casing of size 20 mm width and up to 2 m length ,Make: Presto/ ISI marked	Each	100		
28	Wooden screws of size 1 inch	Each Box	10		
29	Wooden screws of size 1/2 inch	Each Box	10		
30	Wooden screws of size 3/4 inch	Each Box	10		
31	Wooden screws of size 1.25 inch	Each Box	10		
32	PVC insulating Tape Make: Steel Grip or equivalent	Each Box	15		
33	PVC Pegs for fixing of wooden screws on wall	Each Box	15		
34	6 Way SPN MCB DB, IP 43 Make : Legrand/L& T or equivalent	Each	14		
35	Single phase Energy Meter with LCD disply , 230V, Range- 5 A to 30 A , Make : L & T or equivalent	Each	10		
36	100 W Delux fan regulator , rotary step, Make: Anchor or equivalent	Each	30		

